BOARD OF REGENTS’ MEETING

Date: September 21, 2006
Time: 10:30 a.m. (Or immediately following the State Board for Career and Technical Education Meeting)
Place: Kaua‘i Community College
Student Lounge, Campus Center Building
3-1901 Kaumualii Highway
Līhu‘e, HI 96766

AGENDA

I. Call Meeting to Order
II. Approval of Minutes of the Board of Regents’ July 21-22, 2006 Meeting
III. Public Comment Period ¹:

Individuals may present testimony on matters on the Board of Regents’ agenda either during 1) the Public Comment Period or 2) when the agenda item is being discussed by the Board. Written testimonies will also be accepted. Those who wish to address the Board must sign up at the meeting. Individuals who intend to testify are encouraged to inform the Secretary of the Board in advance of the meeting but no later than two (2) days prior to the meeting by calling 956-8213.

IV. Report of System President
V. University of Hawai‘i Foundation Report
VI. Agenda Items, Public Session ²:

University of Hawai‘i System
1. Approval of Supplemental Resolution Authorizing the Issuance and Sale of Refunding Revenue Bonds
2. University of Hawai‘i Endowment Fund - Investment Monitor Report by Smith Barney

University of Hawai‘i at Hilo
3. Establishment of the North Hawai‘i Education and Research Center and Reorganization of the College of Continuing Education and Community Service, University of Hawai‘i at Hilo

University of Hawai‘i Community Colleges
4. Amend Leeward Community College Mission Statement to Comply with Accrediting Commission for Community and Junior Colleges (ACCJC) Accreditation Standards
5. Change the Associate of Science (A.S.) Degree to Associate in Applied Science (A.A.S.) Degree, Electronics Technology Program, Kaua‘i Community College

University of Hawai‘i at West O‘ahu

No agenda item

Footnotes:

¹ Guidelines: In fairness to all who wish to address the Regents, each speaker should abide by the time allotted. The Board will generally allow up to three minutes per speaker depending on the number of those wishing to testify.

² The Board will recess the public session at approximately 12:00 noon and reconvene at approximately 1:00 p.m. Agenda item(s) not completed by approximately 5:00 p.m. on Thursday will be taken up at 9:00 a.m. on Friday, September 22, 2006.
Board of Regents' Meeting (Continued)

University of Hawai‘i at Mānoa

6. Authorize Administration to Proceed with a "Land Swap" at the University of Hawai‘i Marine Expeditionary Center (UHMEC)
7. UH-Mānoa Student Housing

University of Hawai‘i System

10. Financial Update (for information only)
    a. Quarterly Financial Status Report (June 30, 2006)
    b. Community Colleges Supplemental Financial Information

VII. Gifts, Grants and Contracts - For Board Action (See Attachment #2)

VIII. Appointments, Changes in Appointments, Leaves of Absence, Promotion, Tenure, Waiver of Minimum Qualifications, Emeritus Titles, Shortening of Probationary Period, Salary Adjustments, Position Actions, Classification, Pricing (Attachment #3); Resignations and Retirements of Board of Regents Appointees and Civil Service Employees (Attachment #3)

IX. Announcement of Next Meeting of the Board

Date: October 19-20, 2006
Place: University of Hawai‘i at Hilo

X. Executive Session

Legal, Personnel, and Collective Bargaining Matters will be considered in executive session (Attachment #1)

XI. Adjournment
MATTERS TO BE DECIDED IN EXECUTIVE SESSION

I. PERSONNEL ACTIONS RELATED TO THE FOLLOWING POSITIONS:
   A. Appointment of Academic Affairs Program Officer, Community Colleges, Systemwide
   B. Appointment of Interim Vice Chancellor for Academic Affairs, Leeward Community College
   C. Appointment of Interim Dean, John A. Burns School of Medicine, University of Hawai'i at Mānoa
   D. Appointment of Dean, College of Continuing Education and Community Service, University of Hawai'i at Hilo
   E. Appointment of Interim Vice Chancellor for Academic Affairs, Maui Community College
   F. Update on Executive Searches
   G. Review of Specific Position Compensation in Proposed Implementation of Revised Executive/Managerial (E/M) Policy
   H. Emeritus Title for Executive Administrator and Secretary of the Board of Regents

Personnel actions noticed above will be discussed in an executive session pursuant to HRS § 92-5(a)(2)
GIFTS, GRANTS AND CONTRACTS

The following gifts, grants, and contracts received during the period June 1, 2006 through July 31, 2006 total $89,286,597. The University of Hawai‘i at Hilo received a total of $2,855,505 during the same period.

RESEARCH AWARDS

FROM: DA-Dept of Agriculture

1. DA-Cooperative State Research Service  $66,004
   "Soil Organic Matter Management to Improve Soil and Crop Quality on Intensive Vegetable Farms in Hawaii"
   Deenik, Jonathan  Tropical Plant & Soil Science
   The goal of this research project is to improve soil and crop quality by increasing farmer adoption of soil management practices that include organic inputs. On-farm trials with five treatments (two organic amendments, two green manure crops, and a control-the farmer's practice) will be established at 6 vegetable farms on 3 islands.

2. DA-Cooperative State Research Service  $40,000
   "Environmental-Friendly Strategies for Management of Mealybugs, Ants, ampeloviruses, and Mealybug Wilt of Pineapple"
   Hu, John  Tropical Plant & Soil Science
   The research will evaluate alternative strategies for control of mealybugs, ants, spread of ampeloviruses, and mealybug wilt of pineapple in the ratoon and fallow cycles of commercial pineapple.

3. DA-Cooperative State Research Service  $56,239
   "Decision Support Systems to Identify and Prioritize Pest Management Needs for Turfgrass, Cucurbits, and Potted Orchids"
   Kawate, Michael K  Plant & Environmental
   Using the Pest Management Strategic Planning process, this project will develop Decision Support Systems for turfgrass managers, cucurbit producers and potted orchids. The process facilitates the participation of growers and other stakeholders will allow stakeholders to effectively identify and prioritize their pest management issues and needs.

4. DA-Cooperative State Research Service  $61,095
   "Survival, Recovery, and Quantification of Target Pathogenic Bacteria in Pineapple, Guava and Orange Juices"
   Li, Yong  Human Nutrition, Food &
5. DA-Cooperative State Research Service
"Construction of a Molecular Cytogenetic Map of Papaya Chromosomes"
Paull, Robert E Tropical Plant & Soil Science
Our objectives are to assign linkage group of the papaya high density map to individual chromosomes by in situ hybridization of selected DNA markers. This cytogenetic map of papaya would reveal the relationship between papaya genetic and physical map and enhance the capacity for positional cloning of genes encoding important and novel traits.

6. DA-Cooperative State Research Service
"Influence of Soluble Organic Matter on Cryptosporidium Parvum Oocyst Mobility in Variable Charge Soils"
Ray, Chittaranjan Water Resource Research
We will evaluate the movement of Cryptosporidium parvum oocysts in variable charge soils, such as those found in Hawaii. Also, we will evaluate how these pathogens move in these soils when the solution contains dissolved organic matter.

7. DA-Cooperative State Research Service
"Molecular Identification and Characterization of Fusarium oxysporum f. sp. koae, the Causal Agent of Koa Wilt in Hawaii"
Zhong, Shaobin Plant & Environmental
Develop a DNA-based technology for identification of a fungal pathogen causing koa wilt disease and for investigation of genetic variation of the pathogen population.

8. DA-Dept of Agriculture
"Identifications of Shrimp Muscle Regulatory Genes"
Ako, Harry Molecular Biosciences &
The aim of project is to identify the shrimp genes responsible for muscle restoration and growth using genomic databases from other species. We will identify two important genes, and study their mRNA expressions over the molt cycle to define the critical stages of muscle atrophy and restoration in shrimp.

9. DA-Dept of Agriculture
"High Resolution Fire Weather/Fire Danger Forecasts for Hawaii"
Chen, Yi-Leng Meteorology - SOEST
To develop and apply high resolution weather models for fire danger assessment and forecasts.

10. DA-Dept of Agriculture
"Developing Productivity Models and Silvicultural Guidelines for Growing and Managing the Native Hawaiian Hardwood Acacia Koa"
Friday, James B Coll, Trop Ag & Human Res
We will examine how stand age, density, and soil development affect koa (Acacia koa) responses to thinning, fertilization, and grass control and develop a model of koa productivity and response to silvicultural management. The model will form the basis of a decision support system for koa reforestation and management.
11. DA-Dept of Agriculture  
"Risk Assessment & Integrated Termite Mgt Strategies for Hawaii & Pacific Basin"  
Grace, J Kenneth  
Plant & Environmental  
Monitor the distribution of invasive termites, assess & improve termite prevention & control techniques, & investigate termite behavioral ecology with respect to control methodology.  
Cost: $113,891

12. DA-Dept of Agriculture  
"Luteal and Endometrial LH Receptor Function Modulated by PGE1, PGE2, PGF2α, and Estrogen"  
Weems, Charles W  
Human Nutrition, Food & LH receptors regulate luteal progesterone secretion for animals to establish pregnancy. LH receptors also exist in the uterine endometrium and appear to play a role in the establishment of pregnancy through prostaglandins E (PGE1; PGE2). This proposal examines how PGE1, PGE2, PGF2α, and estrogen modifies LH receptor actions in the corpus luteum and uterine endometrium.  
Cost: $96,679

13. DA-Dept of Agriculture  
"Communication in Agricultural Biotechnology"  
Wieczorek, Anna  
Tropical Plant & Soil Science  
R-9

14. DA-Natural Resources Conservation Service  
"Characterizing Nitrogen Mineralization and Plant N Supply from Animal Manures and Effluent in Hawaii’s Soils"  
Deenik, Jonathan  
Tropical Plant & Soil Science  
The purpose of the project is to characterize nitrogen mineralization rates and plant available N of animal manures added to the five main soil types germaine to Agriculture in Hawaii. The information will help the University provide farmers with science based recommendations for the use of manure as a fertilizer. The NRCS will use the information to develop nutrient management plans.  
Cost: $41,675

15. DA-Natural Resources Conservation Service  
"Endangered Species Act Coordinator Agreement"  
Duffy, David  
Botany  
Continue assistance with reviews on NRCS Hawaii Endangered Species Act consultations.  
Cost: $45,000

16. DA-Natural Resources Conservation Service  
"Programmatic Safe Harbor Agreement Phase II Continuation"  
Duffy, David  
Botany  
Continue finalization of Programmatic Safe Harbor Act Agreement (Phase II) for the Farm Bill Program in Hawaii.  
Cost: $25,000

FROM: DHHS-Dept of Health & Human Services

1. National Institutes of Health  
"Role of Polyamines in MYCN-Amplified Neuroblastoma"  
Bachmann, Andre S  
Cancer Research Center  
Ornithine decarboxylase (ODC) is a key enzyme in polyamine biosynthesis, and elevation of polyamines can lead to uncontrolled cancer growth. Neuroblastoma is a childhood cancer. Its malignant form often amplifies a gene called MYCN. ODC is a transcriptional target of MYCN. This proposal seeks to identify proteins, which are regulated in response to polyamine depletion.  
Cost: $221,094
2. National Institutes of Health  
"Selenoprotein P Function and Regulation of Expression"  
Berry, Marla J  
Cell & Molecular Biology- MED  
Studies include investigation of the functions of selenoprotein P in protecting neuronal cells from oxidative damage and investigating the efficiency of selenocysteine incorporation into selenoprotein P.  
$478,204

3. National Institutes of Health  
"Human Decidua and Fetal Membranes as a Paracrine System"  
Bryant-Greenwood, Gillian  
Pacific Biosciences Research  
To determine the mechanism of action of the hormone relaxin on the preterm premature rupture of the sac which surrounds the baby and which leads to early birth.  
$299,469

4. National Institutes of Health  
"Diet, Genetic Susceptibility and Colorectal Neoplasia"  
Le Marchand, Loic  
Cancer Research Center  
To collect data and biospecimens to determine environmental and genetic risk factors for colorectal neoplasia.  
$580,001

5. National Institutes of Health  
"Regulation of Cell Signalling and Adhesion"  
Ramos, Joe William  
Cancer Research Center  
Understanding the functional significance of PEA-15 in the mechanism regulating cell signaling events relating to cell adhesion, migration, survival and proliferation. This work will then elucidate the potential role of PEA-15 in the pathogenesis of cancer and diabetes.  
$221,274

6. National Institutes of Health  
"Role of Macrophages in HIV Lipoatrophy"  
Shikuma, Cecilia M  
School of Medicine  
To investigate the role of macrophages as an indicator for HIV treatment.  
$340,750

7. National Institutes of Health  
"Real-Time Minimal Residual Disease Assay of Pediatric B-Cell Non-Hodgkin Lymphoma"  
Shiramizu, Bruce  
School of Medicine  
The proposal plans to design a real-time PCR assay to measure minimal residual disease in childhood B-cell non-Hodgkin lymphoma cases.  
$105,184

8. National Institutes of Health  
"Transcriptional Analysis of Pollutant Exposure"  
Shohet, Ralph  
Medicine- MED  
The development of a mentoring group of established investigators, to support the careers of promising young investigators. The enhancement of infrastructure support through the development of laboratory core facilities, administrative support and resources. The development of a strategic plan to assist in the recruitment of talented young faculty.  
$15,877

9. National Institutes of Health  
"Transcriptional Analysis of Pollutant Exposure"  
Shohet, Ralph  
Medicine- MED  
The goal of this project is to define the vascular endothelial response to diesel exhaust.  
$301,739
10. National Institutes of Health
"Cellular Basis of Immunological and Neurological Diseases"
Smith, Dean O Medicine- MED
The INBRE program is to foster health-related research and increase the competitiveness of investigators at UH-Manoa, Queens Medical Research Center, Chaminade University, Hawaii Pacific University and UH-Hilo.

11. National Institutes of Health
"Sperm DNA Damage in Fertilization"
Ward, Monika Anatomy- MED
The major goal of this application is to evaluate the phenomenon of sperm DNA degradation observed as the result of various sperm treatments. We will explore what are the conditions under which the paternal chromosome breaks, and approach the problem of suspected sperm-borne mechanism of DNA degradation.

12. NIH-Nat'l Cancer Institute (NCI)
"Surveillance, Epidemiology, and End Results (SEER) Program"
Goodman, Marc T Cancer Research Center
The Hawaii Tumor Registry will maintain a cancer registration system for identification and follow-up of all cancers diagnosed in Hawaii as part of the SEER program.

13. NIH-Nat'l Cancer Institute (NCI)
"Hawaii Minority-Based CCOP"
Issell, Brian F Cancer Research Center
Working through Hawaii community physicians and hospitals in the absence of a University Hospital or Outpatient Clinic for treating patients, this award makes National Cancer Institute-funded treatment and prevention studies available to Hawaii cancer patients and individuals at high-risk for developing cancer.

14. NIH-Nat'l Cancer Institute (NCI)
"Hawaii Colorectal Cancer Family Registry"
Le Marchand, Loic Cancer Research Center
To collect data, blood & tissue to determine genetic risk factors for colorectal cancer.

15. NIH-Nat'l Cancer Institute (NCI)
"Ethnic/Racial Minorities in the Colon CFR"
Le Marchand, Loic Cancer Research Center
To collect data, blood & tissue to determine genetic risk factors for colorectal cancer.

16. NIH-Nat'l Cancer Institute (NCI)
"Research Supplements to Promote Diversity in Health-Related Research Parent Proposal: Regulation of Tumor Promotion of RasGRP1"
Lorenzo, Patricia S Cancer Research Center
Request for a research supplement to support the postdoctoral training of a recent doctorate. The candidate is of Native Hawaiian ancestry and also an American citizen, therefore meeting the requirements that confer eligibility to the supplemental program offered by the Comprehensive Minority Biomedical Branch of NCI.
17. NIH-Nat'l Cancer Institute (NCI) $189,538
   "Testing the Transtheoretical Model of Behavior Change"
   Nigg, Claudio Public Health Sciences
   This is a project investigating why individuals change physical activity
   and nutrition behaviors over time, using the Transtheoretical Model
   of Behavior Change.

18. NIH-Nat'l Cancer Institute (NCI) $1,468,702
   "Cancer Research Center of Hawaii"
   Vogel, Carl-Wilhelm Cancer Research Center
   This is a Cancer Center Support Grant that supports the
   infrastructure of the Cancer Research Center of Hawaii.

19. NIH-Nat'l Center for Minority Health Disparities $451,382
   "Partnerships to Overcome Obesity Disparities in Hawaii"
   Mau, Marjorie K Native Hawaiian Health- MED
   This application is for the 2nd year of a 3 year planning grant to
   establish community-academic partnerships to develop and
   implement a pilot intervention aimed at obesity-related health
   disparities in Native Hawaiian (NHs) and Pacific Peoples (PPs) which
   includes Filipinos and other Pacific Islanders.

20. NIH-Nat'l Center for Research Resources (NCRR) $1,770,970
   "RCMI Clinical Research Infrastructure Initiative (RCRII)"
   Shomaker, Sam School of Medicine
   This is a continuation application for the RCMI Clinical Research
   Infrastructure Initiative (RCRII), also known as the University of
   Hawaii Clinical Research Center (UH CRC). The UH CRC has been
   funded by the NIH/NCRR for the past 11 years, and supports clinical
   investigators in all aspects of research, including development of
   protocols and implementation of research studies.

21. NIH-Nat'l Center for Research Resources (NCRR) $2,582,214
   "Cellular Basis of Immunological and Neurological Disease"
   White, Lon School of Medicine
   To enhance the State of Hawaii's biomedical research capacity,
   permitting development of improved access to biomedical research
   infrastructure for all institutions in Hawaii.

22. NIH-Nat'l Center for Research Resources (NCRR) $1,932,902
   "Pacific Center for Emerging Infectious Diseases Research"
   Yanagihara, Richard T Pediatrics- MED
   The overall goal of this program is to establish a center of research
   excellence for emerging infectious diseases for the State of Hawaii
   at the University of Hawai'i at Manoa. Specific projects focus on the
   natural history of human papillomavirus infection in men, the
   immunopathogenesis of dengue fever, and the molecular
   epidemiology of group A streptococci.

23. NIH-Nat'l Heart, Lung & Blood Institute $36,669
   "University of Hawaii Research Scientist Award in Molecular Cardiology"
   Shohet, Ralph Medicine- MED
   Phase II (Years 3-7) will establish a community-based research and
   education program with the recruited scientist as principal
   investigator.
24. NIH-Nat'l Inst of Diabetes, Digestive, Kidney
"Mechanism of Selenoprotein Synthesis"
Berry, Marla J Cell & Molecular Biology- MED
Scope includes investigating functions and localization of factors involved in selenoprotein synthesis, investigating interactions between these factors and other interaction partners.

25. NIH-Nat'l Inst of Neurological Disorders & Stroke
"Characterization of a Novel Metal ion-Permeable Channel"
Hermosura, Meredith C Pacific Biomed Rsrch Cntr
The project is a study of the regulation and structure-function relationships in an ion channel that transports essential metals into the cells. There is an additional genetic component in the project which involves the identification of genetic variants that can be linked to neurodegenerative diseases.

26. NIH-Nat'l Inst of Nursing Research
"Center for the Advancement of Health Disparities Research"
Dodgson, Joan E. Nursing
The Nursing Partnership Center of the Advanced of Health Disparities Research as a collaboration between the University of Washington and University of Hawaii at Manoa Schools of Nursing will focus particular but not exclusive attention on the health disparities affecting the Asian American Pacific islander population.

FROM: DOC-Dept of Commerce

1. DOC-Dept of Commerce
"Nuisance Macroalgal Blooms in Coastal Maui: Assessment and Integration of Physical Factors and Biological Processes"
Smith, Celia M Botany
This work continues the study of factors driving nuisance algal blooms in Maui coastal waters.

2. NOAA-National Ocean Service (NOS)
"Hawaii Institute of Marine Biology Research Activities for National Marine Sanctuary Program"
Leong, Jo-Ann Haw Inst Marine Bio-SOEST
The primary tasks supported by the FY2006 statement of work involve the continuing research requirements for the development of a science-based ecosystem management plan for the Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve.

FROM: DOD-Dept of Defense

1. DOD-Dept of Air Force
"Operations and Management of the Maui Supercomputing Center"
Lassner, David K Info Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.
2. DOD-Dept of Air Force $19,700
"Operations and Management of the Maui Supercomputing Center"
Lassner, David K Info Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.

3. DOD-Dept of Army $39,377
"Validation of Coastal Wave Models for Tropical Island Conditions"
Cheung, Kwok F Ocean & Resources
Evaluate and validate coastal wave models for tropical island conditions.

4. DOD-Dept of Army $43,654
"Novel Low Cost High Efficiency Tunable RF Devices and Antenna Array Designs Based the Ferroelectric Material and the CTS Technologies"
Iskander, Magdy F HCAC (HI Ctr for Advanced Design, simulate and develop prototypes of tunable RF Devices and Phase antenna array with beam steering capabilities. The project will involve two graduate students.

5. DOD-Dept of Defense $7,700,000
"Collaborative Cancer Research Between Tripler Army Medical Center (TAMC) and the Cancer Research Center of the University of Hawaii"
Vogel, Carl-Wilhelm Cancer Research Center
This is collaborative grant proposal involving Tripler Army Medical Center and the Cancer Research Center of Hawaii.

6. DOD-Dept of Navy $34,075
"Assimilation of Long-Range Lightning Data over the Pacific"
Businger, Steven Meteorology - SOEST
This proposal seeks modest support for continued development of PacNet and to support operational utilization of the data stream at NRL for (i) nowcasting convective activity, (ii) convective rainfall analyses over the Pacific, and (iii) to improve marine prediction of cyclogenesis and squall-line motion through sferics data assimilation in COAMP and NOGAPS.

7. DOD-Dept of Navy $87,414
"Conceptual Design of Hydrate Desalination Laboratory Scale-up Facilities"
Masutani, Stephen M Haw Nat Energy Inst -SOEST
Assist project sponsor with the planning and preparation of a conceptual design of a new deep ocean simulator test facility for the development of a hydrate desalination process.

8. DOD-Dept of Navy $92,096
"Design, Fabrication and Integration & Testing of a Submersible Deployable Infrared Imaging System"
Ritter, Joseph M. Institute for Astronomy
Support development of submersible infrared imaging system.
9. DOD-Dept of Navy $732,084
"Detection Methods of Counter Improvised Explosive Devices (C-IED)"
Syrmos, Vassilis L Vice Chancellor Research
This project addresses detection methods for counter improvised explosive devices. The proposed research is focused in three major technologies. In particular, a) detection of explosives with Stand-off Raman Spectroscopy, b) detection of buried objects via measurements of Telluric Current Gradients and c) High Powered Miniature Lasers for IED Characterization.

10. DOD-Missile Defense Agency (MDA) $108,634
"Retrodirective Antennas and Micro-Thruster Propulsion System for Distributed Nanosatellite Sensor Networks"
Shiroma, Wayne A College of Engineering
Develop novel advanced antenna and propulsion technologies for small-satellite networks.

11. DOD-Naval Research Laboratory $35,895
"Biotic and Abiotic Attenuation of Nitrogenous Energetic Compounds (NEC) in Coastal Waters and Sediments"
Li, Qingxiao Molecular Biosciences & The Pesticide Registration Program at the University of Hawaii is an important part of IR-4 nationwide. Our program consists of a field research unit, an analytical laboratory, and a quality assurance unit. The funds requested will be used to support a part time quality assurance officer and associated project costs.

12. DOD-Naval Research Laboratory $69,750
"Optical Modeling for an Airborne Ocean Lidar"
Sharma, Shiv K Haw Inst Geophys - SOEST
This project requires the optical modeling for an airborne oceanic lidar.

13. DOD-TriService Nursing Research Program $449,636
"Impact of Reunification on Soldier Families - A Longitudinal Study"
McNulty, Margaret Anne Nursing
Soldier families located at Schofield Barracks in Wahiawa, HI will be enrolled in a longitudinal study during pre-briefing sessions prior to spousal reunification from war. This study will explore the impact of reunification on families after spouses return from one year deployments to combat regions. Knowledge gained will implement current programs in existence.

FROM: DOE-Dept of Energy

1. DOE-Dept of Energy $49,981
"Defining the Subcellular Locations and Biochemical Function of Cyclic Nucleotide Gated Channels in Plants"
Christopher, David A Molecular Biosciences & The research will increase our knowledge of processes by which plants transport nutrient ions, such as potassium and calcium, which are necessary for plant growth, productivity and adaptation to drought and salinity stress.
2. DOE-Dept of Energy $128,000
"Investigating the Chemical Dynamics of Bimolecular Reactions of Ground and Excited State Dicarbon Molecules with Hydrocarbons"
Kaiser, Ralf I College of Natural Sciences
We want to find out how polycyclic aromatic hydrocarbons are formed in combustion flames.

3. DOE-Dept of Energy $120,000
"Request for Funds for Construction of the BES-III TOF Calibration System"
Olsen, Stephen L Physics & Astronomy
Fabrication of a Tie of Flight calibration system, which is essential for the successful calibration and monitoring of the BES-III TOF system, essential for the tau/charm separation.

4. DOE-Dept of Energy $22,000
"Fabrication & Testing of 3D Active-Edge Silicon Sensors: High Speed, High Yield"
Parker, Sherwood I Physics & Astronomy
Continued development of 3D silicon radiation sensors employing electrodes fabricated perpendicular to the sensor surfaces to improve fabrication yields and increasing pulse speeds.

FROM: DOI-Dept of Interior

1. DOI-Bureau of Land Management $22,500
"Pahsimeroi Subbasin Surface Water/Groundwater Savings and Restoration Project"
El-Kadi, Aly I Geology & Geophys - SOEST
Develop a comprehensive hydrologic model of the Pahsimeroi River Sub-Basin, with an emphasis on characterizing the interaction between surface water and groundwater in the Pahsimeroi Valley. This study will include analysing stream loss data and performing field tests to assess the feasibility of reconnecting mountain streams to main Pahsimeroi River.

2. DOI-Bureau of Land Management $10,000
"Pahsimeroi Subbasin Surface Water/Groundwater Savings and Restoration Project"
El-Kadi, Aly I Geology & Geophys - SOEST
Develop a comprehensive hydrologic model of the Pahsimeroi River Sub-Basin, with an emphasis on characterizing the interaction between surface water and groundwater in the Pahsimeroi Valley. This study will included analyzing stream loss data, estimating the values of the major components of basin water budget, and analyzing the aqueous geochemistry of the sub-basin.

3. DOI-Fish & Wildlife $51,547
"Maui Nui Genetic Safety Net Program"
Duffy, David Botany
Supplemental budget to the Genetic Safety Net Program on Maui.
4. DOI-Geological Survey $139,563
"Extrinsic and Intrinsic Factors Affecting the Resilience of Corals to Climate Change, and their Use in Designing Marine Reserves"  
Birkeland, Charles Hawaii Coop Fishery  
This study will provide a method for rating the likely resilience of individual coral reefs to global warming, based on measurable features such as water motion, water quality, and physical characteristics. This study will provide the Department of Commerce, the Department of Interior, and other agencies with information that can be used to identify areas within U.S. coral reef ecosystems most likely to survive coral bleaching and mortality. This information is critical for the design and site selection of effective marine protected areas.

5. DOI-Geological Survey $42,128
"Sensitivity of Pacific Island Tropical Montane Cloud Forests to Climate Change: Observing Climatic and Hydrological Processes"  
Giambelluca, Thomas W Geography  
Conduct field measurements of hydrologically-sensitive canopy characteristics in forests below, within, and above the current fog zone in Hawaii. Develop a model of cloud water interception based on surface wind velocity, liquid water content of surface air, and canopy characteristics.

6. DOI-Nat'l Park Service $40,000
"Monitoring Plan Development, Pacific Island Network (Mod 2)"  
Duffy, David Botany  
Continue assistance to Pacific Island Network. This mod will specifically support the National Park of American Samoa's databases.

7. DOI-Nat'l Park Service $35,705
"Assess Potential Impacts to Marine Resources from Boat Harbor Expansion in Kaloko-Honokohau NHP"  
Duffy, David Botany  
Assist in assessment of water resources that may be affected by development of a boat harbor at Kaloko-Honokohau NHP.

FROM: ED-Dept of Education

1. ED-Dept of Education $163,000
"Instructional Materials on East Asia for Secondary Students"  
Menton, Linda K CRDG  
Design, develop and write thematic textbook for secondary students on East Asia, concentrating on China, Japan, and Korea. Includes teacher manual and compact disc of additional readings.
2. ED-Dept of Education  
"Identifying and Responding to Evaluation Needs in College Foreign Language Programs"  
Norris, John  
Second Language Studies  
This project investigates the needs and capacities of college foreign language programs in the area of evaluation. Researchers will utilize survey techniques to identify the evaluation demands in these programs, develop resources and strategies for helping programs meet evaluation demands, and field-test resources and strategies in representative language programs.

3. ED-Institute of Education Sciences  
"The 'I' in IEP"  
Stodden, Robert A  
Center on Disability Studies  
The purpose of the proposed project is to develop and obtain preliminary evidence of the effectiveness of two intervention models. These models are designed to equip educators, administrators, and parents with necessary tools to support students with disabilities from indigenous cultures in participating in their own IEP meetings through a culturally relevant process.

FROM: National Science Foundation

1. National Science Foundation  
"A Multidisciplinary Approach to Species Boundaries in Tropical Reef Corals"  
Carlon, David  
College of Natural Sciences  
An ecological, morphological, and molecular analyses of the processes that determine biological boundaries in stony coral species of the tropical Atlantic. Molecular analyses will be conducted at the UH Manoa campus. Ecological field work will be based at the Smithsonian Tropical Research Institute, Panama. Additional field trips to Costa Rica and Brazil.

2. National Science Foundation  
"Measurement and Analysis of Aerosol Physio-chemistry and Optical Properties in Support of MIRAGE-Max (Mexico City Pollution Outflow Experiment)"  
Clarke, Antony D  
Oceanography - SOEST  
Employ airborne instruments designed to characterize aerosol properties while airborne on the C-130 over Colorado and Mexico.

3. National Science Foundation  
"Intergalactic Metals at very High Redshift"  
Cowie, Antoinette  
Institute for Astronomy  
The aim of this proposal is to determine how the metallicity of the intergalactic medium evolves at yet higher redshifts and how the enrichment varies as a function of density.

4. National Science Foundation  
"Collaborative Research: Southern Ocean Current Observations from the U.S. Antarctic Research Vessels"  
Firing, Eric  
Oceanography - SOEST  
Ocean current measurements will be made in the upper several hundred meters on all cruises of the NB Palmer and the LM Gould. Data will be processed, archived, and analyzed.
5. National Science Foundation  
"Testing a New Empirical Law Relating the Efficiency of Thermoremanent Magnetization (TRM) and Saturation Magnetization (Ms)"
Fuller, Michael D  
Haw Inst Geophys & Planet  
Understanding of thermo-remanent magnetization (TRM).

6. National Science Foundation  
"Integrated Studies of Eruption Processes in Basaltic and Andesitic Volcanoes"
Garces, Milton  
Haw Inst Geophys & Planet  
The proposed work seeks to use sound waves in conjunction with other established technologies at Kilauea and Mount St. Helens volcanoes to identify and characterize different eruption processes, recognize changes in lava composition, mass flux, or magma conduit geometry, and refine or develop models of the observed eruption processes.

7. National Science Foundation  
Garcia, Michael O  
Geology & Geophys - SOEST  
To map, sample and model the origin of secondary volcanism on and around the northern Hawaiian Islands.

8. National Science Foundation  
"Collaborative Research: The Paleoecology of Plant Use at Nu'alolo Kai, Kaua'i: An Integrative Study of Resource Change in Hawaiian Prehistory"
Graves, Michael W  
Social Science Rsrch Inst  
Analysis of macrobotanical remains from an archaeological habitation complex at Nuluolo Kai, Kauai that preserves more than 10,000 artifacts and unmodified materials deposited over a span of 500 years, AD 1300-1900. Objectives to describe human-plant resource interactions over time, estimate human impacts on vegetation, and examine terrestrial and marine environments.

9. National Science Foundation  
"Collaborative Research: Explosive Volcanism: Further Perspectives on Controls on Style and Dynamic of the 79AD Plinian Eruption at Vesuvius"
Gurioli, Lucia  
Geology & Geophys - SOEST  
We propose to understand the eruption conditions that lead to generation of PDCs during magmatic and phreatomagmatic phases of the eruption using a combination of petrologic and texture data, and constrain the history of melt ascent, degassing and microlite crystallization using a series of decompression experiments on the 79AD products.

10. National Science Foundation  
"Polarmetric Imaging and Spectroscopy"
Habbal, Shadia  
Institute for Astronomy  
In preparation for the eclipse of 2008, we need to improve our lens system optics. We will design and manufacture an external occulter to enable us to take longer exposures to capture the outer corona. Also, custom design and fabrication of lenses for the near infrared.
<table>
<thead>
<tr>
<th>11. National Science Foundation</th>
<th>$84,213</th>
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<tbody>
<tr>
<td>&quot;Application of Comprehensive Global Models to Problems in the Dynamics of the Troposphere and Stratosphere&quot;</td>
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<tr>
<td>Hamilton, Kevin</td>
<td>Meteorology - SOEST</td>
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<tr>
<td>Analysis of computer-generated simulations of atmospheric flow.</td>
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<tr>
<th>12. National Science Foundation</th>
<th>$178,400</th>
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<tbody>
<tr>
<td>&quot;Measurement of DMS Air-Sea Exchange by Eddy Covariance&quot;</td>
<td></td>
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<tr>
<td>Huebert, Barry J</td>
<td>Oceanography - SOEST</td>
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<tr>
<td>We are proposing to participate in three cruises to measure the emission of DMS gas from the ocean to the atmosphere. From these measurements we will learn about the formation of marine sulfate particles and the factors that control emissions of many gases from the ocean.</td>
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<tr>
<th>13. National Science Foundation</th>
<th>$552,394</th>
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<tbody>
<tr>
<td>&quot;Tomographic Imaging of the Velocity and Magnetic Fields in the Sun's Atmosphere&quot;</td>
<td></td>
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<tr>
<td>Jefferies, Stuart</td>
<td>Institute for Astronomy</td>
</tr>
<tr>
<td>To build and validate new instrumentation to simultaneously measure the velocity and line-of-sight magnetic field strength at four heights in the Sun's atmosphere and to acquire data from the South Pole and perform initial seismic probing of the morphology and dynamics of the solar atmosphere from the photosphere to the high chromosphere.</td>
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<tr>
<th>14. National Science Foundation</th>
<th>$133,207</th>
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<tr>
<td>&quot;SGER: Geophysical and Geochemical Studies of Plume-Ridge Interaction at the St. Paul-Amsterdam Plateau, Southeast Indian Ridge: PLURIEL Expedition&quot;</td>
<td></td>
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<tr>
<td>Johnson, Kevin</td>
<td>Geology &amp; Geophys - SOEST</td>
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<tr>
<td>Conduct seagoing expedition to the Southeast Indian Ridge and collect samples for geochemical analysis.</td>
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<tr>
<th>15. National Science Foundation</th>
<th>$121,408</th>
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<tbody>
<tr>
<td>&quot;Formation &amp; Physical Properties of Substellar Objects&quot;</td>
<td></td>
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<tr>
<td>Liu, Michael</td>
<td>Institute for Astronomy</td>
</tr>
<tr>
<td>To study the origin of brown dwarfs.</td>
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<tr>
<th>16. National Science Foundation</th>
<th>$89,240</th>
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<tbody>
<tr>
<td>&quot;The Formation of Brown Dwarfs&quot;</td>
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<tr>
<td>Liu, Michael</td>
<td>Institute for Astronomy</td>
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<tr>
<td>To study the formation of brown dwarfs and to examine their primordial mass distribution and its dependence on the environment.</td>
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<tr>
<th>17. National Science Foundation</th>
<th>$100,000</th>
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<tbody>
<tr>
<td>Liu, Robert S H</td>
<td>Chemistry</td>
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<tr>
<td>Photoisomerization is a fundamental chemical reaction taking place in photosensitive biopigments as well as in simple organic compounds. This proposal emphasizes understanding of the reaction when the molecule is trapped in a rigid medium. The finding will help better understanding of processes such as vision, photomovement and properties of light sensitive materials.</td>
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<td>No.</td>
<td>Foundation</td>
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<td>18</td>
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<td>23</td>
<td>NSF</td>
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24. National Science Foundation
"The VYSOS Automatic Telescope Project"
Reipurth, Bo Institute for Astronomy
This proposal solicits funds to partially fund the development of a 'Variable Yound Stellar Objects Survey' (VYSOS), which consists of two identical 16 inch telescopes, one to be located in the northern hemisphere at the Haleakala Observatory in Hawaii, and the other one in the southern hemisphere at the Cerro Tololo Interamerican Observatory in Chile.

25. National Science Foundation
"SGER: High Resolution Lava Surface Dating and Mapping for a 2005-6 Volcanic Event in the 8-11 N EPR ISS"
Rubin, Kenneth H Geology & Geophys - SOEST
Rapid response sample collection and radiometric dating of a submarine volcanic eruption in the East Pacific Ocean.

26. National Science Foundation
"Dissolved Organic Phosphorus Cycling in the Coastal Ocean"
Ruttenberg, Kathleen Oceanography - SOEST
Study of temporal and spatial variability of dissolved organic phosphorus in coastal waters in central Oregon.

27. National Science Foundation
"Collaborative Research on Climatic Effects of the 1783-1784 Laki Volcanic Eruption"
Thordarson, Thorvaldur Geology & Geophys - SOEST
Study the climatic effects of the 1783-84 Laki eruption.

28. National Science Foundation
"NSF Visitor and Observing Support for the NASA Infrared Telescope Facility"
Tokunaga, Alan Institute for Astronomy
Funding is requested to cover the NSF portion of observing support at the NASA Infrared Telescope Facility.

29. National Science Foundation
"Ship-board Atmospheric Sounding Over the Kuroshio Extension: A Supplement to CLIVAR KESS"
Xie, Shang-Ping Meteorology - SOEST
Use satellite observations and numerical calculations to study the ocean, atmosphere and their interaction.

FROM: Nat'l Aeronautics & Space Administration

1. Nat'l Aeronautics & Space Administration
"Single and Multi-layered Ejecta Craters: Characterization of Morphology and Assessment of Possible Mechanisms of Ejecta Emplacement"
Boyce, Joseph Haw Inst Geophys & Planet
Propose to become part of the THEMIS science team. THEMIS is a camera flying on the Mars Odyssey spacecraft, which is currently in orbit around Mars. My task will be to request new images of impact craters on Mars.
<table>
<thead>
<tr>
<th>Project Number</th>
<th>Agency</th>
<th>Title</th>
<th>Principal Investigator</th>
<th>Department</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>&quot;FLAME DESIGN: A Novel Approach to Clean Efficient Diffusion Flames&quot;</td>
<td>Chao, Beei-Huan</td>
<td>Mechanical Engineering</td>
<td>$13,600</td>
</tr>
<tr>
<td>3</td>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>&quot;In-Situ Measurements of Aerosol Size Distributions, Black Carbon and Inferred CCN and Their Implications for Remote Sensing: Retrospective Data ...&quot;</td>
<td>Clarke, Antony D</td>
<td>Oceanography - SOEST</td>
<td>$140,031</td>
</tr>
<tr>
<td>4</td>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>&quot;Mechanics of Rootless Eruptions and the Formation of Rootless Cone Groups: Implications for Near-Surface Water on Mars&quot;</td>
<td>Fagents, Sarah</td>
<td>Haw Inst Geophys &amp; Planet</td>
<td>$75,000</td>
</tr>
<tr>
<td>5</td>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>&quot;Application of Satellite Data to Improve the Simulation and Prediction of Tropical Intraseasonal Oscillation (TISO)&quot;</td>
<td>Fu, Xiouhua</td>
<td>Meteorology - SOEST</td>
<td>$94,251</td>
</tr>
<tr>
<td>6</td>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>&quot;Observable Signatures of Extreme Seasonality on Planets with High Orbital Eccentricity or Obliquity&quot;</td>
<td>Gaidos, Eric</td>
<td>Geology &amp; Geophys - SOEST</td>
<td>$44,000</td>
</tr>
<tr>
<td>7</td>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>&quot;Examining Factors that Affect UVVIS Color in Lunar Mare Basalts&quot;</td>
<td>Gillis, Jeffrey</td>
<td>Haw Inst Geophys &amp; Planet</td>
<td>$60,000</td>
</tr>
</tbody>
</table>
8. Nat'l Aeronautics & Space Administration $55,000
"Thermal Infrared Spectroscopic Studies of Geologic Materials for Application to Earth and Mars"
Hamilton, Victoria Haw Inst Geophys & Planet
Laboratory infrared spectroscopy studies of rocks and minerals having various surface roughness; information learned will increase our understanding of processes affecting infrared spectra of geologic materials, and will (eventually) help us to interpret data returned from NASA missions to Mars. Research will support PI's new infrared laboratory in HIGP.

9. Nat'l Aeronautics & Space Administration $50,000
"Spectroscopy of Natural Glasses and Constraints on Mineral Detectability in the Middle Infrared"
Hamilton, Victoria Haw Inst Geophys & Planet
We are proposing to perform fundamental laboratory research that will aid researchers in the interpretation of data acquired by NASA mission to Mars. Specifically, we are collecting spectral data of meteorites and performing numerical calculations that will help us to better interpret the spectral data we get back from Mars.

10. Nat'l Aeronautics & Space Administration $45,000
"The Mineralogy and Geology of Olivine-rich Terrains on Mars Using 2001 Mars Odyssey THEMIS Data"
Hamilton, Victoria Haw Inst Geophys & Planet
Proposed effort is to apply for Participating Scientist status on the NASA Mars Odyssey mission. Work entails Mars data analysis and operational responsibilities.

11. Nat'l Aeronautics & Space Administration $84,006
"Thousand Asteroid Light Curve Survey"
Jedicke, Robert Institute for Astronomy
Project will measure light curves, and thereby obtain rotation periods, for ~1,000 asteroids in a well-controlled survey program designed to correct for observational selection efforts.

12. Nat'l Aeronautics & Space Administration $61,000
"Irregular Satellites of the Planets"
Jewitt, David C Institute for Astronomy
A systematic investigation of the irregular satellites of the planets to yield reliable orbital and physical data. These are the two fundamental constraints on theories of the origin of the irregulars. This project capitalizes on our access to state of the art imaging camera of the largest telescopes at Mauna Kea.

13. Nat'l Aeronautics & Space Administration $546,227
"The Origin, History, and Distribution of Water and its Relation to Life in the Universe"
Meech, Karen J Institute for Astronomy
To research the diversity, phylogeny, and genetics of the basal metazoan Trichoplax adhaerens (Placozoa) to further our understanding of the origin of complex life on Earth.

14. Nat'l Aeronautics & Space Administration $150,000
"Comets and the Early Solar System"
Meech, Karen J Institute for Astronomy
To investigate the primordial properties of comets in four focused and related research areas: 1) Comet Nucleus Sizes 2) Comet Dust Properties 3) The Deep Impact Aftermath 4) Comet Chemistry.
15. Nat'l Aeronautics & Space Administration
"Multi-sensor Translation of EOS Reflectance and Vegetation Index Products for Long Term Continuity with AVHRR: EOS Science Proposal"
Miura, Tomoaki Natural Resources &
In this work, we propose to derive multi-sensor translation equations that will guarantee continuity/compatibility of satellite data products across sensors. The proposed work will significantly contribute to ecosystem variability and response by "linking" global environmental sensors for the establishment of a long term observation record.

16. Nat'l Aeronautics & Space Administration
"Mapping the Caldera of Olympus Mons Volcano, Mars"
Mouginis-Mark, Peter J Haw Inst Geophys & Planet
I will create a geologic map of the summit area of the biggest volcano on Mars, and use this map to aid geologic investigation of the volcano.

17. Nat'l Aeronautics & Space Administration
"Participation on the Cassini-Huygens Gas Chromatograph-Mass Spectrometer (GCMS) Team"
Owen, Tobias Institute for Astronomy
To study the data obtained from the successful descent of the Huygens probe into the atmosphere of Titan, especially the GCMS which has provided fundamental information about the composition of the atmosphere including the isotope ratios and some indications about the composition of precipitated aerosols.

18. Nat'l Aeronautics & Space Administration
"Sharing Discoveries in Cosmochemistry and Planetary Geoscience on the Internet"
Taylor, G Jeffrey Haw Inst Geophys & Planet
We produce an online science magazine that highlights discoveries in cosmochemistry.

19. Nat'l Aeronautics & Space Administration
"Participation in RESOLVE: Development of a Regolith Extraction & Resource Separation and Characterization Experiment for the 2009/10 Lunar Lander"
Taylor, G Jeffrey Haw Inst Geophys & Planet
Participate in Science Advisory Team to define requirements for determining the characteristics of potential resources in lunar polar regions.

20. Nat'l Aeronautics & Space Administration
"Orographically Induced Ocean-Atmosphere Interaction: Satellite Observations and Numerical Modeling"
Xie, Shang-Ping Meteorology - SOEST
Conduct analysis of observations by the QuikSCAT and other NASA satellite observations for a better description and understanding of ocean-atmosphere interaction and climate.

FROM: Hawaii- Government Agencies

1. County of Maui
"West Maui Mountains Watershed Partnership"
Duffy, David Botany
Continue support of management, control and monitoring of invasive species in West Maui Mountains Watershed.
2. DLNR-Division of Aquatic Resources $407,940
"Evaluating the Effectiveness of Restricted Fishing Areas for Improving the Bottomfish Fishery in the Main Hawaiian Islands"
Kelley, Christopher D HURL - SOEST
To evaluate the effectiveness of Restricted Fishing Areas for improving the Bottomfish fishery in the main Hawaiian Islands.

3. DLNR-Division of Aquatic Resources $24,775
"Mortality, Habitat Use, and Growth for Three Important Hawaiian Reef Fishes; Consequences of Protection from Aquarium Fishing"
Parrish, J D Hawaii Coop Fishery
To characterize and quantify natural mortality, movement, population age structure and growth rates of yellow tang, kole, and brown surgeonfish which are widely exploited for the commercial aquarium trade.

4. DLNR-Division of Aquatic Resources $23,859
"Quantitative Analysis of Digital Images Recorded during Towed-diver Surveys in the Main Hawaiian Islands"
Schroeder, Thomas A JIMAR - SOEST
To provide quantitative analysis of benthic digital imagery recorded during towed-diver surveys in the main Hawaiian Islands.

5. DOH-Alcohol & Drug Abuse Division $212,347
"2006 Hawaii Student, Alcohol, Tobacco, and Other Drug Use Study (ASO Log No. 06-132)"
Goebert, Deborah Psychiatry- MED
Coordination of statewide data collection for the Hawaii Student Alcohol, Tobacco, and Other Drug Use Survey to guide prevention and treatment policy and planning in the State of Hawaii.

6. DOH-Alcohol & Drug Abuse Division $150,563
"Services to Evaluate and Monitor Substance Abuse Service Outcomes and Process Evaluation Activities of the Alcohol and Drug Abuse Division Funded Serv"
Yuen, Sylvia H L Center on the Family
Evaluate and monitor substance abuse outcomes and process evaluation activities of the Hawaii Department of Health, Division of Alcohol and Drug Abuse funded activities.

7. DOH-Child & Adolescent Mental Health Division $3,810
"Research Evaluation and Training Project"
Mueller, Charles W Psychology
Contract Modification to cover unanticipated conference and travel costs.

8. Hawaii-Dept of Agriculture $38,878
"Hawaii State-wide Cacao Trial"
Bittenbender, Harry C Tropical Plant & Soil Science
Facilitate successful development of Hawaii-grown cacao and made-in-Hawaii cacao products industry (roasted cacao seed pieces (nibs), chocolate, other products) by using on-farm plantings to identify areas of the state and clones by that produce sufficiently high quality cacao to meet Hawaii's reputation as high quality agriculture producer.
9. Hawaii-Dept of Agriculture
"Pickleworm Control in Cucumber, Zucchini, and Kabocha Squash"
Fallon, Declan Plant & Environmental
A study on the potential benefits of using Hawaiian insect-parasitic-nematodes for the control of an invasive insect pest.

10. Hawaii-Dept of Agriculture
"Field Efficacy Studies for Control of the Little Fire Ant, Wasmannia auropunctata, with Amdro, Esteem and Justice/Conserve Ant Baits"
Taniguchi, Glenn Y Plant & Environmental
To conduct field efficacy studies for control of the LFA, W. auropunctata with various rates of Amdro, Esteem, and Justice/Conserve ant baits.

11. Hawaii-Dept of Agriculture
"Introduction of New Crop Varieties and Improved Management Techniques for the Production of Specialty Melons, Tomato, Pepper, and Dioscorea Yams…"
Valenzuela, Hector R Tropical Plant & Soil Science
We will conduct variety trials and cultural management studies for the production of four vegetable crops in Hawaii: Dioscora yam roots, specialty melons, tomato and bell pepper.

12. Hawaii-Dept of Agriculture
"A Long Term Operational Behavior for an Innovative Bioreactor Integrating Existing System for Treatment/Reuse of Milk Parlor Wastewater-A Case Study…"
Yang, Ping-Yi Molecular Biosciences & Evaluation of a pilot plant study for long term basis for a milk parlor wastewater management at the Mountain View Dairy, Oahu, Hawaii. In addition to the pollution control, energy production in the form of methane gas and treated liquid/sludge for reuse for crop irrigation and soil/fertilizer are also proposed.

13. Hawaii-Dept of Agriculture
"Molecular Detection and Host Resistance of Ohia Rust in Hawaii"
Zhong, Shaobin Plant & Environmental
A new invasive rust species on ohia will be investigated by using DNA technology and host tests.

14. Hawaii-Dept of Business & Economic
"EPSCoR Related Human Resources Development"
Gaines, James R VP for Research
Provide programs to support technology workforce development per the attached MOA.

15. Hawaii-Dept of Defense
"Tsunami Forecast and Inundation Maps for Hawaii"
Cheung, Kwok F Ocean & Resources
Develop tsunami forecast capabilities and inundation maps for Hawaii.
16. Hawaii-Dept of Health $152,275
"Support for the HISC Program: West Nile Virus Prevention"
Duffy, David Botany
Support efforts to prevent the spread of West Nile virus to Hawaii.

17. Hawaii-Dept of Health $24,395
"Child and Adolescent Mental Health Division Support - Modification"
Johnson, Jean Center on Disability Studies
Extension of current EBS contract.

18. Hawaii-Dept of Health $75,000
"Tula'i (Stand Up!) ASO Log No. 06-263"
Misailidis, SooJean Psychiatry- MED
Conduct a qualitative investigation of the effects of culture and gender on dating violence in Filipino, Hawaiian and Samoan youth. The information will be used to develop culturally immersed and gender-based prevention programs to decrease dating violence in Filipino, Hawaiian, and Samoan adolescents.

19. Hawaii-Dept of Health $223,873
"Demonstrating Watershed Participatory Assessment and Action"
Yost, Russell S Tropical Plant & Soil Science
Apply a new and innovative watershed assessment and action approach so Kaiaka Bay residents can choose, monitor and demonstrate best management practices that reduce non point source pollution. University staff will lead residents in convening seminars, gathering data, conducting workshops, modeling improvements and hosting a watershed symposium.

20. Hawaii-Dept of Human Services $20,000
"Memorandum of Agreement Between Department of Human Services and University of Hawaii"
Iwaishi, Louise K School of Medicine
DHS through the EPSDT case management agency will identify ten medically fragile children to perform a medical review of the cases and prepare a summary of findings and recommendations regarding the plan of care. The University will also make administrative recommendations to DHS regarding the case management of medically fragile children.

21. Hawaii-Dept of Land & Natural Resources $60,000
"Statewide Wildlife Conservation Program Coordination and Implementation"
Duffy, David Botany
Continue support of the coordination and implementation of partnership-based conservation programs in Hawaii.

22. Hawaii-Dept of Land & Natural Resources $64,945
"Support for the HISC Program: Supplement"
Duffy, David Botany
Supplement the budget for HISC Public Outreach component of the HISC Program.
23. Hawaii-Dept of Land & Natural Resources $72,070
"State Land Conservation Fund Program Development and Implementation"
Duffy, David Botany
Create a process for land acquisition using the new Land Conservation Fund and provide public outreach and education about the program.

24. Hawaii-Dept of Land & Natural Resources $38,000
"Hawaiian Ecosystems: Management and Education: Koolau Watershed: 2006-2007"
Duffy, David Botany
Continue support of monitoring of game check stations and running transects in native forest areas to determine impacts of pigs and axis deer in the Koolau Watershed on Maui.

25. Hawaii-Dept of Land & Natural Resources $100,000
"Protect and Monitor Nesting Hawksbill Turtles at Kamemahame and Pohue Beaches"
Duffy, David Botany
Continue cooperative project previously under NPS funding to survey and monitor nesting Hawksbill turtles at Kamemahame and Pohue Beach and prevent predation and loss of habitat.

26. Hawaii-Dept of Land & Natural Resources $75,000
"Kauai Avian Conservation Research and Management: FY 2006 Supplement"
Duffy, David Botany
Supplement for work on Puaiohi and Newell's Shearwater bird in post-release efforts.

27. Hawaii-Dept of Land & Natural Resources $70,000
"Developing New Techniques for Invasive Ant Control in Hawaii"
Duffy, David Botany
Experiment with eradication strategies against the large population of invasive Argentine ants at Haleakala National Park.

28. Hawaii-Dept of Land & Natural Resources $119,998
"Developing Tools for Assessing Land Based Pollution Impacts in Corals"
Gates, Ruth Haw Inst Marine Bio-SOEST
This work uses, genetic, histological and community level analyses to identify biological traits that are responsive to exposure to land based pollution exposure. A management relevant tool will be developed based on the identified trait and field tested in two ahupua'a selected by state managers.

29. Hawaii-Dept of Land & Natural Resources $71,000
"Are Invasive Species of Dinoflagellates that Cause Harmful Algal Blooms Entering Hawaii in the Ballast Water of Commercial Ships?"
Gates, Ruth Haw Inst Marine Bio-SOEST
This research examines whether toxic dinoflagellates are being transported to Hawaii from other parts of the world in the ballast water of visiting ships. Using molecular techniques, the diversity of dinoflagellates in ballast water, harbor water and water sampled in the Northwestern Hawaiian Islands will be assessed and compared.
30. Hawaii-Dept of Land & Natural Resources
"Building the Technical Capacity of the Hawaii Island Invasive Species Committees: Database Enhancements and Standard Report"
Gibson, Barbara Pacific Biosciences Research
This project involves the continued development and enhancement of the database systems used by four of the five (Oahu, Kauai, Big Island, and Molokai) island-based Invasive Species Committee (ISCs) in the state of Hawaii. It will improve the existing technical infrastructure to allow for the more efficient tracking of vertebrate and invertebrate survey and control work; and the facilitation and tracking of invasive species early detection efforts.

31. Hawaii-Dept of Land & Natural Resources
"Management of the Invasive Erythina Gall Wasp, Quadrastichus erythrinae Kim (Hymenoptera: Eulophidae) on Native and Landscaspe Erythrina spp."
Hara, Arnold H Plant & Environmental
The overall objective of this project is to develop effective strategies to control the Erythrina gall wasp and to communicate those strategies to relevant interest groups.

32. Hawaii-Dept of Land & Natural Resources
"Chemical Management of the Invasive Erythrina Gall Wasp, Quadrastichus erythrinae Kim, (Hymenoptera: Eulophidae) on Native and Landscape Erythrina Spp"
Hara, Arnold H Plant & Environmental
The overall objective of this proposal is develop effective chemical and cultural control strategies against the erythrina gall wasp including systemic insecticides applied as foliar sprays, root drenches, and injections.

33. Hawaii-Dept of Land & Natural Resources
"Cooperative Administration of FADS"
Holland, Kim N Haw Inst Marine Bio-SOEST
Maintenance of the State of Hawaii's fish aggregation device (FAD) system. This project is conducted in collaboration with DAR/DLNR. Additionally, FAD-related research will be conducted and public outreach mechanisms retained and expanded.

34. Hawaii-Dept of Land & Natural Resources
"Exploration, Genetic Characterization, and Host Range Testing of Parasitoids of the Erythrina gall Wasp, Quadratsichus erythrinae Kim."
Wright, Mark G Plant & Environmental
Exploration, genetic characterization, and host range testing of parasitoids of the Erythrina gall wasp.

35. Hawaii-Dept of Transportation
"Occupant Protection Studies (Seat Belt)"
Kim, Karl E Urban & Regional Planning
Observational studies of seat belt use, child safety restraints, truck beds, helmet use among bicyclist, motorcyclists, moped riders and hand held cellular phone use; statistical analysis of data.
36. Hawaii-Dept of Transportation  
"Pedestrian Observational Study in Honolulu"  
Kim, Karl E  
Urban & Regional Planning  
Observational studies of seat belt use, child safety restraints, truck beds, helmet use among bicyclists, motorcyclists, moped riders and hand held cellular phone use; statistical analysis of data.  
$34,000

37. Hawaii-Dept of Transportation  
"Highway Traffic Noise Analysis and Abatement Guidelines"  
Prevedouros, Panos D  
Civil Engineering  
Development of policies and guidelines for applying the policies on the mitigation of impacts from highway noise for proposed and for existing highway facilities.  
$296,727

38. Hawaii-Dept of Transportation  
"Five Year Monitoring of Corrosion Field Specimens"  
Robertson, Ian N  
Civil and Environmental  
This project involves monitoring the performance of reinforcing steel in concrete panels exposed to marine environments. Various corrosion inhibiting measures will be evaluated.  
$2,598

FROM: Hawaii- Associations, Foundations, Societies, etc.

1. Hawaiian Silversword Foundation  
"Keauhou Ranch Restoration: Supplement"  
Duffy, David  
Botany  
Supplement to continuing project to restore native forest areas of Keauhou Ranch.  
$67,000

2. HCF-Hawaii Community Foundation - General  
"Lysyl Oxidase-Like 2 Induces Metastatic Behavior in Breast Cancer Cells"  
Fong, Sheri F.T.  
School of Medicine  
The focus of this project is to evaluate the role of the lysyl oxidase-like 2 protein in breast cancer adhesion, migration and invasion, properties which are necessary for metastasis; and to identify molecules that are able to interact with LOXL2.  
$49,706

3. HCF-Hawaii Community Foundation - General  
"Elastic Fibers Alterations and Isolation of PXE Serum Factors"  
Le Saux, Olivier  
Cell & Molecular Biology- MED  
The proposed work is to characterize elastic fibers alterations induced by serum factors from PXE patients and isolate the serum factors causing these alterations.  
$50,000

4. HCF-Hawaii Community Foundation - General  
"Control of Developmental Pluripotency in Embryonic Stem Cells by Wnt/Beta-Catenin Signaling"  
Marikawa, Yusuke  
Medicine- MED  
The objective is to elucidate the molecular mechanisms of developmental pluripotency, and to develop new strategies to apply embryonic stem cells for cell-based tissue replacement therapies.  
$50,000

5. HCF-Hawaii Community Foundation - General  
"Regulation of the MYCN Oncogene in Neuroblastoma"  
Wada, Randal  
Cancer Research Center  
This project will identify and characterize functionally significant regions in DNA that turn the N-myc gene on and off in tumor cells.  
$50,000
6. HCF-Hawaii Community Foundation - General $50,000
"Regulation of Cell-to-Cell Communication by Lysophosphatidic Acid-induced Signaling in Ovarian Surface Epithelial Cells"
Warn-Cramer, Bonnie J Cancer Research Center
Utilizing various microscopic, cell and molecular biology methodologies, this research proposal examines how a growth factor that is secreted in high amounts by ovarian carcinoma cells (lysophosphatidic acid) leads to activation of the EGF receptor in normal ovarian surface epithelial cells and disrupts the ability of the cells to communicate through gap junctions with the neighboring cells.

7. HCF-Hawaii Community Foundation - General $49,900
"Regulation of an Oncogenic Signaling Pathway: Year 3"
Wikramanayake, Athula H Zoology
The proposed work will investigate the biochemical mechanism that activate the Dishevelled protein during signal transduction via the Wnt signaling pathway.

8. HCF-Hawaii Community Foundation - General $49,350
"Role of Muscle Growth in Preventing Obesity and Diabetes"
Yang, Jinzeng Human Nutrition, Food &
To understand the molecular mechanisms of disrupted energy balance in obesity, we will study the roles of skeletal muscle growth in fat deposition and function, and insulin sensitivity in laboratory mice.

9. HCF-Ingeborg V.F. McKee Fund $50,000
"Mechanisms and Treatments of Diabetes-Enhanced Stroke Brain Damage"
Li, Ping An Cell & Molecular Biology- MED
Mitochondrial membrane damage and free radical generation play important roles in ischemic neuronal death. Mitochondrial uncoupling protein 2 (UCP2) stabilizes the mitochondrial membrane potential and reduces free radical formation. This proposal is centered on study the role of mitochondrial uncoupling protein, UCP2, on hyperglycemia-mediated ischemic brain damage.

10. HCF-Leahi Trust $25,000
"Reduced Expression of Caveolae in Lung Fibroblasts Enhances TGF-beta Responses"
Jourdan-Le Saux, Claude Pacific Biomed Rsrch Cntr
The aim of this project is to study the role of caveolin-1 in airway remodeling. Caveolin-1 is a protein regulating the signal transduction of pro-fibrotic factors such as transforming growth factor (TGF)-beta.

11. HCF-Robert C. Perry Fund $25,000
"Reduced Expression of Caveolae in Lung Fibroblasts Enhances TGF-beta Responses"
Jourdan-Le Saux, Claude Pacific Biomed Rsrch Cntr
The aim of this project is to study the role of caveolin-1 in airway remodeling. Caveolin-1 is a protein regulating the signal transduction of pro-fibrotic factors such as transforming growth factor (TGF)-beta.
12. Tri-Isle Resource Conservation & Development
"East Maui Watershed Protection"
Duffy, David Botany
Support management, invasive species control and monitoring in East Maui's watershed.

FROM: Hawaii- Business and Other

1. East West Center $140,298
"The Role of Land-cover Change in Montane Mainland SE Asia in Altering Regional Hydrological Processes Under a Changing Climate"
Giambelluca, Thomas W Geography
Install and maintain field stations to measure the fluxes of water and energy, and measure the pertinent soil and vegetation properties in each of two watersheds. Implement the regional climate model IPRC-regCM to simulate the influences of land-cover change and global warming on the climate and hydrological processes over the region.

2. Hawaii Institute for Public Affairs $92,500
"2050 Hawaii Sustainability Plan Development"
Miyashiro, Sharon Y Social Science Rsrch Inst
To provide technical support in developing the 2050 Hawaii Sustainability Plan ("2050 Plan), including but not limited to data collection, analysis, and drafting of policy papers and reports for the initial Summit and other community meetings in preparation of the 2050 Plan.

3. Hawaii Speed & Quickness $20,000
"Hawaii Speed & Quickness Mentoring Program"
Mayeda, David Psychiatry- MED
Conduct the evaluation of three sites: McKinley High School, Jarrett Intermediate School and Kaimuki Intermediate School.

4. Kamehameha Schools $36,989
"Biofuels Market Overview"
Hashimoto, Andrew Coll, Trop Ag & Human Res
Phase I feasibility study for the use Kamehameha School's land assets for biofuels production.

5. Oceanit Laboratories, Inc $66,600
"Mobile Sensor Systems for Intelligence Collection Using Doppler Shifting of Existing Communication Technology: Army SBIR Topic A04115 Phase II"
Lubecke, Victor Electrical Engineering
Phase II of this project will involve prototype development and demonstration of a working handheld tactical sense through the wall personnel detector system working at a distance with capability to determine number of targets and perform localization.
FROM: Hawaii- Health Organizations

1. Queen's Medical Center $3,500
"Prevalence and Correlates of Female Sexual Dysfunction in a Multi-ethnic Population"
Gotay, Carolyn C Cancer Research Center
Address several understudied areas with regard to female sexual dysfunction in menopausal women. This will be a unique study of the prevalence of female sexual dysfunction in Asian American and Pacific Islander populations in the U.S., and important correlates of female dysfunction will be examined.

FROM: Mainland- Associations, Foundation, Soc, etc.

1. Baltimore Research and Education Foundation $227,689
"Double-Blind, Placebo-Controlled Trial of Topiramate for the Treatment of Methamphetamine Dependence (NIDA-CSP-1025)"
Haning III, William F Psychiatry- MED
The objectives of this study are to assess the efficacy and safety of Topiramate as compared to placebo in reducing methamphetamine use in patients with methamphetamine dependence.

2. MedStar Research Institute $56,280
"Partnerships for Diabetes Related Disparities in Hawaii"
Mau, Marjorie K Native Hawaiian Health- MED
This study will examine the risk factors leading to heart disease in Hawaiian people. The results of this study will help determine better ways to identify Hawaiian people who are at high risk for heart disease.

3. Sloan Foundation (Alfred P Sloan) $900,000
"Census of the Diversity of Abyssal Marine Life (CeDAMar): Implementation Plan 2006-2008"
Smith, Craig R Oceanography - SOEST
This project involves coordination of the international field program Census of the Diversity of Abyssal Marine Life (CeDAMar), with the goal of documenting the species diversity of the ocean's abyssal plains to provide a baseline for evaluating human impacts, and elucidate the historical causes and ecological factors regulating global biodiversity.

FROM: Mainland- Business

1. Aura, Inc $10,000
"Advanced Technology Solar Telescope Site Survey Instruments Operation"
Kuhn, Jeffrey R Institute for Astronomy
Oversee the operation and preventive maintenance of the ATST Site Survey Instruments and collect the data CDs, copy and ship them to the Site Survey Data Analysis Center in Tucson, AZ.

2. Baldridge & Associates Structural Engineering $50,034
"Testing of Plated Beam-Column Connections"
Robertson, Ian N Civil and Environmental
This project will evaluate a "plated beam-column moment connection" proposed for use in structural steel building frame construction. This connection has been developed by Baldridge Associates Structural Engineers (BASE) to satisfy both high seismic and progressive collapse prevention requirements.
3. Booz, Allen & Hamilton Inc  
"caBIG (cancer Biomedical Informatics Grid)- Task Order #3"  
Wilkens, Lynne  
Cancer Research Center  
Vocabulary and Common Data Elements Workspace: evaluating and integrating systems for vocabulary and ontology content development, as well as software systems for content delivery; developing standards for the representation of ontologies and vocabularies, and assessments of existing systems for use within the caBIG; developing vocabulary and ontology content.

4. Brookhaven National Laboratory  
"Amendment to Memorandum of Understanding Between Univ of Hawaii & US ATLAS Research Program Office for Upgrade R&D"  
Parker, Sherwood I  
Physics & Astronomy  
Continuation of the development of silicon pixel radiation sensors designed for the innermost layers of the ATLAS silicon tracking system.

5. Marine Desalination Systems, LLC  
"Modeling Biogeochemical and Multiphase Processes to Evaluate and Minimize Environmental Impacts of Gas Hydrate Water Desalination"  
Nihous, Gerard  
Haw Nat Energy Inst -SOEST  
Assist project sponsor with modeling activities to assess the influence of hydrate desalination technologies on biogeochemical cycles in the marine environment.

6. Novartis Pharmaceuticals Corp  
"CRCH 2007: Amendment #1, a Novel Signal Transduction Inhibitor (Novartis) Project: STI571 / Study: 106 / Center: 723"  
Issell, Brian F  
Cancer Research Center  
Clinical Research Associate will continue to monitor two protocol patients still receiving study drug STI571 until disease progression or thru 7/31/2008 (sponsor's stop date of study treatment/study) and submit all required sponsor data forms to the sponsor.

7. Novo Nordisk, Inc  
"Trial ID NN1998-2076"  
Arakaki, Richard F  
Medicine- MED  
Inhaled Mealtime Insulin with the AERX iDMS Versus Subcutaneous Injected Insulin Aspart Both in Combination with Insulin Detemir In Type 1 Diabetes: A 52-Week, Open-Label, Multicenter, Randomized, Parallel Trial (Followed by a 52-Week, Open-Label Extension & a 12-Week Re-Randomized Extension) To Investigate Safety & Efficacy.

8. Physicians Pharmaceuticals Inc.  
"Determinants for Isoflavonoid Exposure after Soy Intake"  
Franke, Adrian A  
Cancer Research Center  
To determine isoflavone exposure by measuring urinary isoflavonoids in participants after a body weight adjusted dose of a variety of soy items.
9. Rockwell Scientific Company LLC  
"Testing of Arrays and Sidecar ASIC for Space Telescope"  
$15,000

Hall, Donald N B  
Institute for Astronomy

Change notice - 1 to contract B6U528267 for H1RG development devices performance testing.

FROM: Mainland- Health Organizations

1. Children's Hospital of Pittsburgh  
"Genetic Screening in Diabetes"  
Burgess, Lawrence P A  
School of Medicine

This research will investigate the relationship of allelic variations of some genes to the development of complications in Type 2 diabetic patients. Specifically, genetic predisposition to diabetic nephropathy, neuropathy, and retinopathy in Type 2 diabetic patients will be studied. DNA samples will be collected and analyzed.

2. Women & Infants Hospital of Rhode Island  
"Prenatal Methamphetamine Exposure and Child Development"  
Derauf, D Christian  
Pediatrics- MED

This is the 5th year of a multicenter R01 (PI: Barry Lester, PhD) to conduct a longitudinal study of prenatal methamphetamine (MA) exposure and child development in four areas of the U.S. (Hawaii, Iowa, California and Oklahoma) where MA use is prevalent.

FROM: Mainland- Other

1. Black and Veatch  
"Banagrass Co-Firing Analysis"  
Kinoshita, Charles M  
Coll, Trop Ag & Human Res

Perform cost analysis for production of banagrass for co-firing with coal in future Hawaiian Electric Company power plant.

2. Center for Global Partnership  
"Death Penalty Policy in America, Japan, and East Asia"  
Johnson, David T  
Sociology

This grant proposal is for funding to write a book on death penalty policy in the United States, Japan, China, Singapore, Taiwan, and South Korea. The book will describe and explain the contours of death penalty policy in these jurisdictions, and it will use capital punishment as a window onto features of law and society in these nations.

3. Jet Propulsion Lab  
"Sea Level Trends and Fluctuations: Corrections for Land Motion"  
Merrifield, Mark A  
JIMAR - SOEST

Provide in situ sea level measurements corrected for vertical land motion, which are used to monitor temporal drifts in satellite observation.

4. Jet Propulsion Lab  
"New JPL 1279251 - Cassini IDS Orbital Phase"  
Owen, Tobias  
Institute for Astronomy

To work with results from the orbiter and the probe regarding the origin of Saturn and the origin and early evolution of the atmosphere of Titan.
5. Jet Propulsion Lab
"Martian Bulk Composition and Crustal Evolution"
Taylor, G Jeffrey       Haw Inst Geophys & Planet
As a member of the Gamma Ray Spectrometer Team, I will use the elemental composition of the Martian surface to help understand how its crust formed and has evolved, especially how it has been affected by the role of water.

6. Nature Conservancy (The)
"Using Climate Information to Identify Coral Communities that are Positioned to Survive Global Climate Change"
Timmermann, Axel       Oceanography - SOEST
Using climate model simulations forced with increasing greenhouse-gas concentrations, the probability of future massive coral bleachings in the Coral Triangle will be estimated.

7. Research Triangle Institute
"Feature Extraction and Sensor Fusion"
Kuh, Anthony        Electrical Engineering
This proposal continues research on earlier MCNC/RTI proposals from 2002 and 2004. The project focuses on developing adaptive filtering, feature extraction, joint time-frequency analysis, and sensor fusion algorithms to enhance automated signal processing capabilities.

8. Space Telescope Science Institute
"Gamma-Ray Bursts from Start to Finish: A Legacy Approach"
Price, Paul         Institute for Astronomy
Scientific astronomical observations on gamma-ray bursts using the Hubble Space Telescope

FROM: U.S. Universities and Colleges

1. Colorado School of Mines
"Renewable Bio-solar Hydrogen Production from Robust Oxygenic Phototrophs"
Bidigare, Robert R   Sch Ocean,Earth Sci & Tec
To perform studies that will produce new methods for optimizing the yield of photosynthetic H2 and will identify new wild strains and engineer new hybrid strains of photosynthetic microorganisms capable of more efficient and more economical H2 production as a renewable fuel source derived from water.

2. Johns Hopkins University
"Sustaining and Scaling up a Successful Food Store Based Program to Improve Diet & Reduce Risk for Obesity & Other Chronic Disease in American Indians"
Sharma, Sangita       Cancer Research Center
Develop and analyze a Food Frequency Questionnaire to assess food and nutrient intake for the Navajo and Apache Tribes in

3. Univ of Arizona
"Participation in Gamma Ray Spectrometer Mission"
Englert, Peter       Haw Inst Geophys & Planet
Peter Englert will provide the lead effort in completing thin target irradiations with energetic neutrons and protons.
4. Univ of Arizona
   "JWST Near Infrared Camera Co-I Support"
   Hall, Donald N B Institute for Astronomy
   Supplement to subcontract Y403002 for additional Co-Investigator
   support for the development of the James Webb Space Telescope
   Near Infrared Camera.

5. Univ of Arizona
   "Interpretation of Mars Odyssey Gamma Ray Data"
   Taylor, G Jeffrey Haw Inst Geophys & Planet
   We examine how elements are separated from each other by
   igneous and aqueous processes on Mars, and use this knowledge to
   interpret data from the Mars Odyssey Gamma Ray Spectrometer.

6. Univ of California - Irvine
   "Factors Influencing the Epidemic Potential of Dengue"
   Bennett, Shannon N Trop Med - Med Micro- MED
   Dengue virus, causing fever with occasional hemorrhaging, is
   expanding worldwide, producing more frequent, severe epidemics.
   This may be due to population growth and/or viral mutations. Using
   sequence data, we examine evolutionary changes in viruses across
   replicate epidemics from Asia and the South Pacific to detect the
   molecular signature of epidemic potential.

7. Univ of California- San Diego
   "Taxonomically Diversified Global Census of Coral Reef
   Ecosystems"
   Leong, Jo-Ann Haw Inst Marine Bio-SOEST
   This subcontract is to perform a global census of marine life, with
   project management centers in Australia and Hawaii.

8. Univ of California- San Diego
   "Pacific Islands Land-Ocean Typhoon (PILOT) Experiment"
   Merrifield, Mark A Oceanography - SOEST
   Field observations of shoaling surface gravity waves, sea level, and
   nearshore currents over fringing reefs will be made to estimate the
   coastal-run that occurs during energetic, storm-generated wave
   events. The results will be compared to numerical models and used
   for emergency management purposes.

9. Univ of Maryland
   "The Alliance for Coastal Technologies (ACT): Partnership
   Activities at the University of Hawaii"
   Atkinson, Marlin J Haw Inst Marine Bio-SOEST
   A national program for the development and testing of various
   coastal monitoring systems.

10. Univ of Miami
    "SGER: A Novel Approach to Evaluate Hydrothermal Fluid
        Interaction with Injected Magma Dykes at Mid-Ocean
        Ridges Using Radium Isotopes"
    Rubin, Kenneth H Geology & Geophys - SOEST
    Methods development for Ra isotopic analysis in hydrothermal fluids
    by mass spectrometry.
11. Univ of Mississippi
"Technical Support for CTBT Infrasound Sites Palau and Diego Garcia"
Garces, Milton  
Haw Inst Geophys & Planet
Maintenance on infrasound sites in Palau and Diego Garcia.

12. Univ of Mississippi
"Technical Support for CTBT Infrasound Sites Palau and Diego Garcia"
Garces, Milton  
Haw Inst Geophys & Planet
Maintenance on infrasound sites in Palau and Diego Garcia.

13. Univ of New Hampshire
"UH GroundWinds"
Businger, Steven  
Meteorology - SOEST
This proposal seeks modest support for continued development of the NOAA Smart Balloon for deployment in storm (hurricane) environments and atmospheric chemistry experiments during 2006 and 2007.

14. Univ of Pennsylvania
"Interactions of Anesthetics and Macromolecules"
Bhagavan, Nadhipuram V  
Biochem & Biophysics- MED
This study will investigate the mechanism of action of anesthetics using human serum albumin as a surrogate molecule.

15. Univ of Rhode Island
"PARADIGM: The Partnership for Advancing Interdisciplinary Global Modeling"
Karl, David M  
Oceanography - SOEST
A multi-institutional, trans-disciplinary effort to model global ocean biogeochemical processes. The U.H. effort will involve Karl, a TBA post-doctoral research fellow and a computer specialist.

16. Univ of Southern California
"Breast & Prostate Cancer & Hormone-related Gene Variants"
Kolonel, Laurence N  
Cancer Research Center
The major goal of this project, which is part of the "Cohort Consortium", is to allow for large-scale analyses of breast and prostate cancer risk in relation to genetic polymorphisms and gene-environment interactions that affect hormone metabolism.

17. Univ of Washington
"Diabetes Prevention Program Outcomes Study in Hawaii"
Arakaki, Richard F  
Medicine- MED
Maintain outcome measures and retention of the Diabetes Prevention Program cohort in Hawaii. Intervention of lifestyle modification and metformin treatment are continued during the course of this proposal in people at risk and who have developed diabetes. In addition, more extensive outcome measures will be obtained in participants who have developed diabetes.
18. University of Cincinnati
"Food Intake and Obesity in Cloned Mice"
Yanagimachi, Ryuzo Anatomy- MED
To determine whether obesity in cloned mice is the result of hyperphagia or differences in metabolic rate during early postnatal development; also, to test the hypothesis that obese clones defend their elevated body weight comparably to other obese animals and to identify components of the neuroendocrine control system; and to test the hypothesis that increased body weight and obesity in cloned an dAVEM mice are the result of in vitro mechanical manipulation.

19. Washington University- St. Louis, MO
"Neurological AIDS Research Consortium"
Valcour, Victor G Dean's Office- MED
This is a continuation of leadership funds to direct a multicenter trial of acetyl-L-Carnitine for the treatment of neuropathy in HIV patients and to continue neuroADS research infrastructure development at the University of Hawaii.

20. Yeshiva University
"Fat Reduction, Hormone Replacement Therapy (HRT) use and Benign Breast Disease Risk"
Ceria-Ulep, Clementina D Nursing
To investigate whether diet high in fat; and hormone replacement therapy increase the risk of benign breast disease; and whether supplementation with calcium/vitamin D is associated with reduced risk of proliferative forms of benign breast disease.

FROM: All Non-U.S.

1. International Seabed Authority
"Development of Benthic Biological Parameters for Input into a Geological Model of the CCZ"
Smith, Craig R Oceanography - SOEST
To identify and test possible benthic biological parameters that can be used as proxy variables in the geological model of the Clipperton-Clarian Zone, in particular flux of particulate organic carbon to the seafloor as determined from benthic abundance and biomass, benthic oxygen consumption, and bioturbation depth.

2. Inter-University Research Institute Corp. (KEK)
"Detector Research & Development for KEK-B Factory"
Olsen, Stephen L Physics & Astronomy
Continuation of development of upgrades to the Belle experiment Data Acquisition System and the Pixel Vertex Detector system.

3. Republic of the Marshall Islands
"Historical Aerial Photography of the Marshall Islands"
Fletcher, Charles H Geology & Geophys - SOEST
Provide DVD of 11 Marshall Islands atolls and Jaluit, Wotje, Majuro and Kwajalein produced from Photographic images obtained from the US Fish and Wildlife service Office and the Bishop Museum.
NON-RESEARCH AWARDS

FROM: DA-Dept of Agriculture

1. DA-Cooperative State Research Service $296,593
   "An Outreach Program for Socially Disadvantaged Filipino Growers of Hawaii"
   Swift, Sabina F Plant & Environmental
   Provide on-site outreach and technical assistance to immigrant socially disadvantaged Filipino farmers on Hawaii and Oahu islands to better equip them become successful farmers and entrepreneurs; with introduction of governmental programs otherwise inaccessible to them.

FROM: DHHS-Dept of Health & Human Services

1. DHHS-Administration on Developmental $500,000
   "Pacific Basin University Center for Excellence in Developmental Disabilities"
   Stodden, Robert A Center on Disability Studies
   The purpose is to support, enhance and improve the quality of life for persons with developmental disabilities. This is accomplished through cooperation, coordination and collaboration across the jurisdictions to develop programs that promote self-determination, integration, full inclusion and person-centered planning with family involvement and family advocacy.

2. DHHS-Administration on Developmental $500,000
   "Developmental Disabilities-University Center for Excellence"
   Stodden, Robert A Center on Disability Studies
   The major activities focus on improving the programs and services for persons with developmental disabilities and their families in Hawaii and the Pacific Basin through interdisciplinary training, research, technical assistance, dissemination, and community service.

3. DHHS-Dept of Health & Human Services $40,669
   "AHEC Nurse Aide and Practical Nurse Training"
   Johnson, Nancy K Maui CC
   Increase opportunities for nurse aide and practical nurse training.

4. DHHS-Dept of Health & Human Services $136,834
   "Expanding Substance Abuse Identification and Brief Intervention Services at University of Hawaii at Manoa"
   Stockert, Nancy Office of Student Affairs
   Over the three year period, brief intervention will be provided by the Health Education Section to 354 students at high risk of alcohol or other substance abuse. The Health Services clinic will identify, and refer such students. Other referrals will come from Student Housing and other campus entities. Following intervention, approximately 10% will be referred for treatment.

5. National Institutes of Health $86,986
   "Cyclic and Progressive Hair Loss in Rough Coat Mice"
   Cao, Tongyu Pacific Biomed Rsrch Cntr
   We will identify the gene mutation I a mutant mouse strain with skin and hair abnormalities and further characterize these abnormalities.
<table>
<thead>
<tr>
<th>#</th>
<th>Agency</th>
<th>Grant Amount</th>
<th>Project Title</th>
<th>PI/Department</th>
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</thead>
<tbody>
<tr>
<td>6</td>
<td>National Institutes of Health</td>
<td>$131,687</td>
<td>&quot;MR Techniques for Drug Abuse and HIV Brain Research&quot;</td>
<td>Ernst, Thomas School of Medicine</td>
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<td>The goal of this K-award is for Dr. Ernst to have protected time to perform research on improved methods for function MRI with applications in drug abuse and HIV infection.</td>
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<td>7</td>
<td>National Institutes of Health</td>
<td>$48,796</td>
<td>&quot;EMT: A Functional and Phylogenetic Approach&quot;</td>
<td>Martindale, Mark Q Pacific Biosciences Research</td>
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<td>Studying the early development and gastrulation of cnidian embryos will provide insight into the evolution and molecular regulation of cell adhesion in the base of the Metazoa.</td>
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<td>Increase cadaveric organ, tissue, and eye donation by Filipino’s in Hawaii through developing and implementing a comprehensive statewide outreach education program, &quot;Bayanihan&quot;.</td>
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<td>9</td>
<td>PHS-Centers for Disease Control (CDC)</td>
<td>$662,807</td>
<td>&quot;Comprehensive Cancer Control Program for the Pacific Islands&quot;</td>
<td>Palafox, Neal A Fam Prac &amp; Comm Hlth- MED</td>
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<td>To organize the development and completion of a jurisdiction-specific comprehensive cancer control plan and also a regional National Comprehensive Control Program.</td>
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<td>10</td>
<td>PHS-Health Resources and Services Admin</td>
<td>$503,970</td>
<td>&quot;Hawaii MCH Leadership Neurodevelopmental Disabilities&quot;</td>
<td>Iwaishi, Louise K College of Education</td>
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<td>Interdisciplinary leadership training for advanced graduate students in maternal child leadership.</td>
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<td>11</td>
<td>PHS-Health Resources and Services Admin</td>
<td>$34,702</td>
<td>&quot;Advanced Nurse Education Traineeship Grants&quot;</td>
<td>Magnussen, Lois A School of Nursing &amp; Dental</td>
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<td>Traineeships provide support for graduate nursing students who are preparing for service in the community.</td>
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<td>12</td>
<td>PHS-Health Resources and Services Admin</td>
<td>$145,000</td>
<td>&quot;The Hawaii DeeBeePeds Program: MCHB Developmental Behavioral Pediatrics Leadership Training Program&quot;</td>
<td>Okamoto, Jeffrey K Medicine- MED</td>
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<td>The Fellowship Training Program trains licensed pediatricians in the subspecialty of Developmental Behavioral Pediatrics.</td>
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<td>13</td>
<td>PHS-Health Resources and Services Admin</td>
<td>$120,651</td>
<td>&quot;Predoctoral Training in Primary Care - Family Medicine&quot;</td>
<td>Omori(Minami), Jill S Fam Prac &amp; Comm Hlth- MED</td>
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<td>This project will improve the current medical school curriculum in homeless heat. Activities include: revising Problem Based Learning cases, providing first year students the opportunity to explore community health resources for the homeless, and the creation of new clinical experiences for third and fourth year students at established homeless clinics.</td>
<td></td>
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</tbody>
</table>
14. PHS-Maternal and Child Health Bureau $30,000
"Public Health Certificate in Maternal and Child Health Leadership"
Baruffi, Gigliola School of Medicine
To provide MCH leadership skills training to professionals from underrepresented and geographically isolated populations.

15. PHS-Substance Abuse & Mental Health Services $400,000
"Improving Older Adults and Mental Health Services in Hawaii through Evidence Based Practices"
Wylie, Alexander M College of Social Sciences
Assist Hawaii in improving services to the elderly that suffer from mental illness through evidence based practices.

FROM: DOC-Dept of Commerce

1. DOC-Economic Development Administration $53,750
"2005-06 PBCP EDA University Center"
Rota, Michael T Chancellor, Community Col
Link the scientific and technical resources of UH with the economic needs of the community by providing assistance to business entrepreneurs, community development organizations, and government agencies in Hawaii and the American Affiliated Pacific Islands.

2. DOC-National Oceanic & Atmospheric $41,500
"Dean John A. Knauss Marine Policy Fellowship"
Grau, E Gordon Sea Grant - SOEST
Provide educational experience in the policies and processes of the legislative and executive branches of the federal government to graduate students in marine and aquatic-related fields.

3. DOC-National Oceanic & Atmospheric $99,929
"Kaneohe Bay Ahupuaa Watershed to Coral Reef Ecosystem Health"
Leong, Jo-Ann Haw Inst Marine Bio-SOEST
Project offers selected students from Oahu schools and opportunity to learn about relationships between land use, watershed health and the coral reef ecosystem within the receiving waters.

FROM: DOD-Dept of Defense

1. DOD-Air Force Office of Scientific Research $5,450
"AFOSR Support for ISROSES'06"
Roussev, Ilia I. Institute for Astronomy
We are requesting funds to support the Symposium for scientists from solar, heliospheric, magnetospheric, and earth sciences communities to collaborate in modeling and observations of the Sun-Earth Systems.

2. DOD-Dept of Defense $398,612
"Acquisition of an Aerodyne Aerosol Mass Spectrometer for Research and Education"
Clarke, Antony D Oceanography - SOEST
Equipment purchase to enhance research capabilities to understand the fundamental aerosol chemistry and associated atmospheric processes.
3. DOD-Naval Research Laboratory
"R/V Kilo Moana 2006"
Taylor, Brian Sch Ocean, Earth Sci & Tec
New crane and winch for research vessel; repairs and maintenance of research vessel.

FROM: DOI-Dept of Interior

1. DOI-American Samoa
"Smart Classroom Design & Implementation: American Samoa Schools"
McKimmy, Paul B. College of Education
Design, implementation, & training for 3 smart classrooms in ASDOE schools.

2. DOI-American Samoa
"American Samoa/DOE and University of Hawaii/CDS Contract: Fiscal Year 2006"
Stodden, Robert A Center on Disability Studies
There are a variety services and activities which are organized into three sections. The Teacher Preparation project is designed for special education teachers to obtain their B.Ed in elementary education with a certification in a special education. The Assistive Technology project covers 100 hours of instruction for teachers in the area of assistive technology and leads to certification in A. Samoa. The Speech/Language certification project covers 130 hours of instruction in assessment, evaluation and instruction.

3. DOI-Fish & Wildlife
"Volcano Rare Plant Facility"
Kaneshiro, Kenneth Y Pacific Biosciences Research
To establish a new integrative graduate program which will bring together students from the John A. Burns School of Medicine's Asia Pacific Institute for Tropical Medicine and Infectious Diseases and the College of Natural Sciences' Ecology, Evolution and Conservation Biology Graduate Specialization.

4. DOI-Haleakala National Park
"Integrated Inventory & Mapping of Selected Known Caves at HAVO: Phase 2"
Duffy, David Botany
Continue assistance with cave mapping and inventory in the Park, finishing Phase 1 and beginning Phase 2, as described in TA J8306050407.

FROM: DOL-Dept of Labor

1. DOL-Dept of Labor
"Applied Technical Education Academy & Digital Media Arts Training"
Sakamoto, Clyde Maui CC
Project will provide construction trade training to youths and young adults from High Schools on the Big Island. Digital Media Arts training will be provided to Big Island residents.
2. DOL-Dept of Labor
"Rural Development Project 2006 Workforce Training Programs"
Sakamoto, Clyde Maui CC
Project provides workforce related training on all islands via Community College system.

FROM: ED-Dept of Education

1. ED-Dept of Education
"A Culture-Centered Long-Term Training Program I Rehabilitation Counselor Education"
Cartwright, Brenda Counselor Education
The project will train 30 individuals from culturally diverse backgrounds, particularly those from Asian and Pacific Islander groups and individuals with disabilities, to increase the supply of qualified vocational rehabilitation counselors available for employment in Hawaii.

2. ED-Dept of Education
"Diverse Pathways to Linguistic and Cultural Competence for Deaf and Hearing Teachers in Hawaii"
Coryell, Judith Special Education
Prepare deaf and hearing teacher from diverse backgrounds to work with a unique group of bilingual students whose first language is American Sign Language and second language is English.

3. ED-Dept of Education
"Fulbright-Hays Doctoral Dissertation Abroad - 84.022A"
Garrod, Peter V Graduate Division
Conduct research outside the United States in the field of modern foreign language and area studies (study of the aspects of a society or societies, including study of their geography, history, culture, economy, politics, international relations).

4. ED-Dept of Education
"TACT-Teaching All Children Together"
Hemphill, Norman Jean Center on Disability Studies
To support leadership trainees (doctoral and post-doctoral students) a the UH to complete disability & diversity studies as an integral part of doctoral studies in Education, Social Work, Psychology and Public Health.

5. ED-Dept of Education
"Hui Malama o ke Kai-Native Hawaiian After School Youth Violence Prevention Program"
Hirose-Wong, Shannon School of Medicine
Program for Native Hawaiian youth and their families in the Waimanalo community designed to prevent violence in and around schools and prevent the illegal use of alcohol and drugs.

6. ED-Dept of Education
"Student Support Services"
Inouye, Roy Windward CC
Support services for low income, first generation, and disabled students.
7. ED-Dept of Education $177,253
"Improving Teacher Quality Grants - SAHES"
Kingery, Paul Dean's Office- Ed
   Improving teacher quality grants.

8. ED-Dept of Education $49,000
"Virtual Teaching Modules for Distance Education in Advanced Indonesian"
Kozok, Ulrich Haw'n & Indo-Pac Language
   Do develop teaching modules for advanced Indonesian distant education.

9. ED-Dept of Education $306,365
"Kapiolani Community College TRIO - Student Support Services"
Lee, Mona Kapiolani CC
   Change of Principal Investigator.

10. ED-Dept of Education $401,842
"Upward Bound Program"
Moser, T Michael Leeward CC
   Provide college preparatory services to twenty (20) free lunch students meeting academic need criteria.

11. ED-Dept of Education $220,000
"Honolulu Community College Student Support Services Project"
Nagano, Lianne Honolulu CC
   Provide student support services to low-income, first generation college students and students with disabilities to increase the retention, graduation, and transfer rates of these students.

12. ED-Dept of Education $276,374
"Low Incidence - Educational Interpreters and Assistants Preparation Project"
Pagotto, Louise Kapiolani CC
   To ready a pool of well-trained, competent personnel to work in classrooms with deaf and hard-of-hearing children.

13. ED-Dept of Education $70,000
"Advanced Filipino Abroad - 84.021A"
Ramos, Teresita V SE Asian Studies- SHAPS
   Advanced Filipino Language program held at De LaSalle University in Manila for American students with minimum of Intermediate Filipino language fluency.

14. ED-Dept of Education $250,000
"(PREP) Pacific Related Services and Educational Paraprofessional Training Project"
Ratliffe, Katherine Center on Disability Studies
   Provide training to paraprofessionals in related and educational services for children with low incidence disabilities in Micronesia, Northern Marianas Islands, Marshall Islands, and Palau.
15. ED-Dept of Education $61,000
   "Advanced Study of Khmer"
   Sak-Humphry, Chhany Haw'n & Indo-Pac Language
   Advanced Study of Khmer Summer Abroad Program; a six-week intensive language training program in Phnom Penh, Cambodia to provide students with a linguistic foundation for research, conversation and cultural interaction.

16. ED-Dept of Education $1,237,500
   "Native Hawaiian Education Program"
   Soifer, Aviam School of Law
   Educate all the people of Hawaii about legal issues of particular significance to the Native Hawaiian community.

17. ED-Dept of Education $149,878
   "Manoa Alcohol Project to Reduce High Drinking Among Freshmen in University of Hawai'i at Manoa Residence Halls"
   Stockert, Nancy Office of Student Affairs
   This project provides education, brief intervention, marketing, and leadership to reduce underage and high-risk alcohol use; particularly among freshmen in residence halls at University of Hawaii at Manoa. It also provide more awareness of alcohol policies and clarification/rapid enforcement of sanctions.

18. ED-Dept of Education $300,000
   "Project to Ensure Postsecondary Education Students Receive a Quality Education"
   Stodden, Robert A Center on Disability Studies
   Project will provide technical assistance and professional development for faculty and administrations of IHEs in order to provide them with the skills and supports that they need to teach students with disabilities.

19. ED-Dept of Education $77,491
   "Hawaii Project for Children and Young Adults Who Are Deaf-Blind"
   Stodden, Robert A Center on Disability Studies
   The Hawaii Project for Children and Young Adults Who Are Deaf-Blind is committed to enhancing the outcomes for children and young adults who are deaf-blind and their families to live, go to school, play, work, and have friends in their communities.

20. ED-Dept of Education $92,000
    "Pacific Partnerships for Deaf-Blind Technical Assistance Services Project"
    Stodden, Robert A Center on Disability Studies
    The purpose of the project is to enhance the outcomes for children and young adults who are deaf-blind and their families to live, go to school, play, work, and have friends in their community.

21. ED-Dept of Education $367,475
    "Maui County Upward Bound"
    Tagomori, Alvin R Maui CC
    A program designed to promote postsecondary education in
FROM: Environmental Protection Agency

1. Environmental Protection Agency  $29,454
   "Effects of Environmental Endocrine Disrupters on Growth in Tilapia"
   Grau, E Gordon  Haw Inst Marine Bio-SOEST
   To determine how environmental estrogens affect growth, using male tilapia as a model.

2. Environmental Protection Agency  $29,824
   "Island Evolution: Speciation, Biogeography, and Phylogeny of Plantago (Plantaginaceae) in the Hawaiian Islands"
   Morden, Clifford W  Botany
   The purpose of this research is to more fully understand the evolutionary relationships among the native Hawaiian Plantago species, their biogeography within the islands, the modes in which they have speciated, and their reproductive biology. This study will serve as a template for research on other Hawaiian plant groups.

FROM: National Science Foundation

1. National Science Foundation  $99,308
   "Ka'imi'ike: An Initiative to Recruit and Retain Native Hawaiians and Pacific Islanders to the Geosciences (Track 2)"
   Gibson, Barbara  Pacific Biomed Rsrch Cntr
   The proposed program, Ka'imi'ike, aims to introduce Native Pacific Island students to fields in the geosciences through an interactive summer institute where local geoscientists showcase their careers and research. Activities that utilize geotechniques such as GIS, remote sensing, and GPS technologies will be emphasized as these are cutting-edge across many geoscience disciplines. Ka'imi'ike will also provide an avenue for a cooperative internship program.

2. National Science Foundation  $11,870
   "Doctoral Dissertation Research: The Development of Irrigated Agriculture in Wailau Valley, Molokai, Hawai'i"
   Graves, Michael W  Anthropology
   This research will evaluate two evolutionary ecological models describing prehistoric agricultural change in Wailau Valley. These models assign varying priority to effort, risk, and production output and will be evaluated through survey and mapping of the wetland agricultural systems, excavations, Geographic Information Systems analysis, soil analysis, and radiocarbon dating.

3. National Science Foundation  $15,378
   "International Astronomical Union Symposium 234 Planetary Nebulae in our Galaxy and Beyond"
   Mendez, Roberto  Institute for Astronomy
   We request NSF funding to support the International Astronomical Union Symposium 234, to be held on the Big Island of Hawaii in April 2006, on the subject of "Planetary Nebulae in our Galaxy and Beyond". This is the most prestigious conference on the subject held in the USA since 1977.
4. National Science Foundation $375,000
"Roots, Resilience, and Reach: Strengthening the STEM Infrastructure at Kapiolani Community College, University of Hawaii"
Richards, Leon Kapiolani CC
To develop a Science, Technology, Engineering and Math (STEM) Pipeline of support services, faculty and curriculum development so that a growing number of Hawaiian and underrepresented students can successfully pursue STEM majors and careers.

5. National Science Foundation $103,389
"Research Experience for Undergraduates (REU) Site in Astronomy at the University of Hawaii"
Williams, Jonathan P Institute for Astronomy
This NSF program was designed to give undergraduate students, interested in science, the opportunity to experience ongoing, cutting-edge research with the hope that some of these students might pursue graduate level studies and become the next generation of scientist. Under this grant, we would establish a site in

FROM: Nat'l Aeronautics & Space Administration

1. Nat'l Aeronautics & Space Administration $24,000
"Constraining Aerosol Optical Properties in Chemical Transport Models with Parameterizations Based on Airborne Field Experiments-Year 1 Progress Report"
Clarke, Antony D Oceanography - SOEST
Continue in achieving the goals of the project by using the in-situ aircraft data from NASA's Intex experiments to improve the parameterizations of aerosol optical properties from different aerosol classes and regions in Mexico City pollution vs Ohio River Valley.

2. Nat'l Aeronautics & Space Administration $580,000
"2005-2010 Plan for the Hawaii Space Grant Consortium"
Flynn, Luke P Haw Inst Geophys - SOEST
The proposed effort outlines the next 5 years of NASA science education activities that will be carried out by the Hawaii Space Grant Consortium.

FROM: Hawaii- Government Agencies

1. CCH-Dept of Parks & Recreation $347,942
"Hanauma Bay Education Program 2005 - 2008"
Okimoto, Darren Sea Grant - SOEST
Our program will continue to introduce Hanauma Bay and malama kai concepts to the 1.2 million annual visitors through its professional University staff and trained corps of volunteers.

2. City and County of Honolulu $125,884
"Legal Services for Elders"
Pietsch, James H School of Law
UHELP will provide legal services to elders 60 years or more who are socially or economically needy.
3. DOH-Alcohol & Drug Abuse Division
"Substance Abuse Treatment Criminal Justice Project"
Hishinuma, Earl Psychiatry-MED
Collaborate with the Alcohol and Drug Abuse Division in developing, implementing, coordinating, reviewing, and monitoring an array of substance abuse treatment services for the adult criminal justice population.

4. DOH-Alcohol & Drug Abuse Division
"Education Research Services for the Implementation of the Synar Amendment"
O'Riordan, David Cancer Research Center
A scientific sample of tobacco retail outlets will be visited by undercover minors and volunteer adults. The minors will attempt to purchase tobacco in each of the outlets. Sales statistics will be collected and reported.

5. DOH-Alcohol & Drug Abuse Division
"Tobacco Sales Enforcement for Synar Amendment"
O'Riordan, David Cancer Research Center
Provide technical assistance to support county Police Departments in their operations to enforce HRS 709-908. This involves recruiting and training teams of adults and volunteer minors to participate in police operations, scheduling, and coordination of support activities. Inspection data will be collected and reported.

6. DOH-Child & Adolescent Mental Health Division
"Family Story Video: Promoting Community Collaboration in Early Childhood, Social and Emotional Issues"
Iwaishi, Louise K Pediatrics-MED
Medical Home Works! Will produce one Family Story Video of up to 15 minutes in length according to the agreed upon template by providing: pre-production planning, production activities, post-production activities and design draft of educational guide. Additionally, services will include pre-production activities for a second Family Story Video.

7. DOH-Child & Adolescent Mental Health Division
"Demonstration Multi-Media Master Artist Project"
Johnson, Jean Center on Disability Studies
To develop a demonstration multi-media Master Artist project for children and youth referred by the Hawaii Family Guidance Center of the Child and Adolescent Mental Health Division.

8. DOH-Child & Adolescent Mental Health Division
"Project Ho'omohala - Transition to Adulthood"
Johnson, Jean Center on Disability Studies
The goal of this project is to implement a system of care encompassing the Transition to Independence Process for youth with emotional or behavioral challenges between the ages of 15-21, living in the Kalihi-Palama Community.

9. DOH-Child & Adolescent Mental Health Division
"Internship-Social Work, Mental Health Concentration Training"
Morelli, Paula T School of Social Work
MSW practicum training for students working in the area of child and adolescent mental health.
10. **DOH-Child & Adolescent Mental Health Division**
   "Research and Evaluation Training Project"
   Mueller, Charles W  
   Psychology  
   Psychology Department and DOH (Department of Health), Child and Adolescent Mental Health Division collaborate to provide research and evaluation training for graduate psychology students.

11. **DOH-Child & Adolescent Mental Health Division**
   "Training in Psychology - Clinical Therapy and Assessment"
   Schiffman, Jason  
   Psychology  
   To provide psychological treatment and assessment of children struggling with emotional and/or behavioral difficulties. This project trains graduate student clinicians and offers children's families needed psychological services.

12. **Hawaii Tourism Authority**
   "Hawaiian Culture Program - 'Ho'okipa Me Ke Aloha' - Hospitality With Aloha"
   Umehira, Ron  
   Kapiolani CC  
   "Ho'okipa Me Ke Aloha" is a professional training program which provides applicable knowledge about Hawaii's history, culture, values, language and hospitality for visitor industry employees. These employees will learn basic Hawaiian greetings and customer service through specially created custom materials through four two-hour courses.

13. **Hawaii-Dept of Business & Economic**
   "Sponsorship of the 2006 Hawaii BioScience Conference"
   Cadman, Edwin C  
   Dean's Office- MED  

14. **Hawaii-Dept of Commerce and Consumer Affairs**
   "Automotive Service Excellence (ASE) Motor Vehicle Certification Program"
   Ota, Sharon H.S.  
   Honolulu CC  
   Plan, coordinate, and deliver Automotive Service Excellence (ASE) training and administer ASE examination.

15. **Hawaii-Dept of Education**
   "Evaluation of the Olomana School Native Hawaiian Education ACT (NHEA) Project"
   Afaga, Lorna  
   CRDG  
   Conduct an evaluation of the Native Hawaiian Education Act project implemented at Olomana School. The purpose of the study is to provide formative evaluation information. The primary audience is the program administrators at Olomana School.

16. **Hawaii-Dept of Education**
   "DOE-Career Opportunity Program, 2006-2007"
   Fouts, Jan  
   Windward CC  
   Provide vocational education training to at-risk high school students.

17. **Hawaii-Dept of Education**
   "Master of Education in Teaching Internship"
   Johnson, Richard T  
   College of Education  
   Funds support graduate student interns as full-time classroom teachers in Department of Education schools on Oahu for 90 days of service.
<table>
<thead>
<tr>
<th>No.</th>
<th>Department/Agency</th>
<th>Amount</th>
<th>Project Description</th>
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</thead>
</table>
| 18  | Hawaii-Dept of Education     | $16,000  | "Hawaii Educational Networking Consortium (HENC)"
|     |                              |          | Lassner, David K, Info Technology Services                                           |
|     |                              |          | HENC serves to coordinate and advance education and research networks in the State of Hawaii. |
| 19  | Hawaii-Dept of Education     | $35,000  | "Coordination & Administration of 2005 High School Hawaii Youth Risk Behavior Survey"
|     |                              |          | Saka, Susan, CRDG                                                                    |
|     |                              |          | Analyze the 2005 Hawaii Youth Risk Behavior Survey data and prepare a state-level report and summary report of trends. |
| 20  | Hawaii-Dept of Education     | $11,653  | "Hawaii DOE Mathematics Professional Development"
|     |                              |          | Zilliox, Joseph T., Teacher Ed & Curric Study                                         |
|     |                              |          | Provide classes and tuition support to students who would like to teach mathematics.   |
| 21  | Hawaii-Dept of Health        | $250,000 | "Wai Aka Young Adult Support Organization"
|     |                              |          | Johnson, Jean, Center on Disability Studies                                          |
|     |                              |          | To develop a system of care to meet the transitional needs of youth with emotional and/or behavioral challenges, who are between the ages of fifteen through twenty-one, and reside in the State of Hawaii. |
| 22  | Hawaii-Dept of Health        | $1,311,738 | "Hawaii Health Data Warehouse"
|     |                              |          | Maddock, Jason E, Public Health Sciences                                             |
|     |                              |          | Maintain Hawaii Health Data Warehouse; add new DOH data sets; develop standard report templates; work on a pilot project to including hospital data; develop online system for user support, develop strategic plan; provide user training; update Community Health Profiles, update Healthy Hawaii 2010 web site; submit data quality reports, chair Data Access Committee. |
| 23  | Hawaii-Dept of Health        | $42,784  | "Developmental Disabilities Agreement - FY 2006-2007"
|     |                              |          | Matsuoka, Jon K, School of Social Work                                               |
|     |                              |          | Provide practicum instructor and student participants for the Developmental Disabilities program. |
| 24  | Hawaii-Dept of Health        | $221,000 | "Child & Adolescent Mental Health Project"
|     |                              |          | Trotter, Charlotte M F, School of Nursing & Dental                                   |
|     |                              |          | State of Hawaii, Dept. of Health, Child & Adolescent Mental Health (CAMH) to fund specialized faculty to create an instructional graduate nursing specialization in CAHM w/ clinical experience; student support in form of tuition waivers and added faculty to support graduate instructional needs for the school. |
| 25  | Hawaii-Dept of Health        | $5,050,238 | "Research & Evaluation, Psychosocial Rehabilitation, and Management Info. System Services"
|     |                              |          | Wylie, Alexander M, Social Science Rsrch Inst                                        |
|     |                              |          | Provide mental health services research evaluation and training, psychosocial rehabilitation and MIS services to AMHD. |
26. Hawaii-Dept of Human Services
"Bridge to Hope Student Support"
Bill, Teresa  Office of Student Affairs
University of Hawaii will administer and provide campus work opportunities to eligible "Temporary Assistance to Needy Families" students through its Bridge to Hope programs on all University of Hawaii campuses state-wide.

27. Hawaii-Dept of Human Services
"Training Required to Promote the Efficiency/Effectiveness of Hawaii's Child Welfare Program Through Expansion of the Bachelor's Degree in Social Work"
Horvath, Violet  School of Social Work
Add child welfare training to existing Bachelor of Social Work (BSW) program at UHM. Expand regular BSW program and child welfare training to Maui and other counties in Hawaii.

28. Hawaii-Dept of Human Services
"Vocational Rehabilitation Need Assessment"
Izutsu, Satoru  School of Medicine
Conduct assessment of VR service outcomes, conduct assessment of consumer satisfaction with VR services, conduct assessment of long-term VR service impact, produce a grant project consistent with Rehab Act priorities, provide technical assistance, provide website, determine VR needs of persons with mental emotional disabilities, provide services for SRC.

29. Hawaii-Dept of Human Services
"Memorandum of Agreement Department of Human Service & Maui Community College, Maui Oral Health Center"
Johnson, Nancy K  Maui CC
MOA is to ensure that MCC dental assisting students are provided a place where they may obtain clinical training and where student participation makes it possible to provide oral health services though its student trainees at the Maui Oral Health Center for patients eligible for TANF and TAONF funds.

30. Hawaii-Dept of Human Services
"Nutrition Consultation and Review for Licensed Child Care Providers and Child Care Licensing Staff"
Kanehiro, Naomi A  Coll, Trop Ag & Human Res
The goal of this project is to promote and support quality nutrition services provided by licensed child care providers and thereby contribute to the health and safety of the children enrolled.

31. Hawaii-Dept of Human Services
"Providing a Professional Development Course in Sexuality to Public and Private school Kindergarten Through Twelfth Grade Teachers, Counselors and…"
Matsuda, Jon  Outreach College
Provide a three-credit course during the traditional summer break period for kindergarten through 12th grade teachers, counselors and administrators in effectively implementing standard-based sexuality education in the classroom, and be role-models and mentors for colleagues in their schools, complexes and/or districts.
32. Hawaii-Dept of Human Services
"Adult Protective Services Practicum Contract FY 2006-2007"
Matsuoka, Jon K School of Social Work
Provide practicum instructor and student participants for the Adult Protective Services program.

33. Hawaii-Dept of Human Services
"Department of Human Services, Child Welfare Services, Task Order #5"
Robinson, Suzette T Maui CC
Provide training and technical assistance required for enhancing the skills of casework staff and developing and implementing a comprehensive quality assurance system.

34. Hawaii-Dept of Human Services
"First-to-Work (FTW) FY 2007"
Tagawa, Michael Leeward CC
Continuation of the contractual relationship with the State of Hawaii - Department of Human Services. University of Hawaii - Leeward Community College will provide Basic Skills instruction and Occupational Skills Training for First-to-Work (FTW) participants.

35. Hawaii-Dept of Land & Natural Resources
"Malama I Ka 'Aina, Malama I Ke Kai, Caring for the Land and Sea"
Chinn, Pauline Teacher Ed & Curric Study
The project provides standards-based curriculum and teacher outreach workshops related to Hawaii’s invasive species.

36. Hawaii-Dept of Land & Natural Resources
"State West Maui Mountains Watershed Partnership: Phase 6"
Duffy, David Botany
Support West Maui Mtns Watershed Partnership protecting the watershed from invasive species.

37. Hawaii-Dept of Land & Natural Resources
"A 'Coqui-free' Certification Program on the Island of Maui: Using Market Incentives to Prevent Inadvertent Vectoring"
Duffy, David Botany
Support MISC’s experimental program to create incentives for nurseries to prevent vectoring of coqui frogs.

38. Hawaii-Dept of Land & Natural Resources
"Aquarium Trade Invasive Species Public Outreach"
Duffy, David Botany
Support PCSU’s Marine Outreach Coordinator in public relations work related to preventing the release of invasive species from home aquariums into the wild.

39. Hawaii-Dept of Land & Natural Resources
"Oahu Rare Organism Project"
Duffy, David Botany
Continue support of Oahu Rare Organism Project, propagating, outplanting, and monitoring rare plants on Oahu, facilitated thru management of Pahole Nursery.
<table>
<thead>
<tr>
<th>Project Description</th>
<th>Funding Agency</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>40. Hawaii-Dept of Land &amp; Natural Resources: Water Management Software to Estimate Crop Irrigation Requirements for Consumptive Use Permitting in Hawaii</td>
<td>Fares, Ali Natural Resources &amp;</td>
<td>$93,500</td>
</tr>
<tr>
<td>41. Hawaii-Executive Office on Aging: UH-CTAHR Cooperative Extension Service - Nutrition Service for Older Adults</td>
<td>Kanehiro, Naomi A Coop Extension Svc- CTAHR</td>
<td>$35,000</td>
</tr>
<tr>
<td>42. Hawaii-Executive Office on Aging: Caregivers Resource Initiative</td>
<td>Lum, Wesley School of Medicine</td>
<td>$2,500</td>
</tr>
<tr>
<td>43. Hawaii-Off of Youth Services - DHS: Community-Centered Approach to Youth Service</td>
<td>Umemoto, Karen Urban &amp; Regional Planning</td>
<td>$89,386</td>
</tr>
<tr>
<td>44. Maui-Off of Economic Development: Start Smart Project</td>
<td>Tagomori, Alvin R Maui CC</td>
<td>$10,000</td>
</tr>
<tr>
<td>FROM: Hawaii- Associations, Foundations, Societies, etc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Coalition for a Drug Free Hawaii: Hawaii Ecstasy Prevention Project</td>
<td>Kameoka, Velma A Psychology</td>
<td>$15,000</td>
</tr>
<tr>
<td>2. HCF-Hawaii Community Foundation - General: 13th World Conference on Tobacco or Health Travel Scholarship</td>
<td>Lee, Hye-ryeon Speech</td>
<td>$1,500</td>
</tr>
</tbody>
</table>
3. HCF-Hawaii Community Foundation - General $1,500
"13th World Conference on Tobacco or Health Travel Scholarship"
Lee, Hye-ryeon Speech
This is to cover the travel cost for Ms. Sujung Kim, who is a graduate research assistant on Dr. Hye-ryeon Lee’s project, to attend the 13th World Conference on Tobacco or Health to be held in Washington D.C. in July, 2006.

4. HCF-Hawaii Community Foundation - General $121,067
"Honolulu Community College Apprenticeship Training Program"
Ota, Sharon H.S. Honolulu CC
Program will provide at least 44 additional classes in Apprenticeship training to meet the State workforce needs in the construction and trades industry.

5. HCF-Hawaii Community Foundation - General $29,654
"Continuing the Tobacco-Free Challenge"
Stockert, Nancy Office of Student Affairs
Continuation of tobacco prevention/cessation programming on UH Manoa campus.

6. HCF-Tobacco Prevention & Control Trust Fund $21,825
"Cessation Program for Korean Immigrants in Hawaii - Training and Technical Assistance"
Lee, Hye-ryeon Speech
1) Implement a training for cessation counseling for Asian smokers
2) Implement a training for graphic design and publication.

7. Queen Emma Foundation $443,174
"Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement SF07-QEF-MED"
Tam, Elizabeth K School of Medicine
Salary, fringe benefit & malpractice insurance reimbursement agreement to provide physician and physician-related services for FY2007.

FROM: Hawaii- Business and Other

1. Hawaiian Electric Co Inc $67,252
"UHERO-HECO Custom Regional Forecast Service"
Bonham, Carl S Social Science Rsrch Inst
UHERO will provide 20 year forecasts of major economic indicators needed by HECO, MECO and HELCO for preparation of their internal forecasting exercises. Variables to be forecast include visitor statistics, personal income, job counts, and demographic measures for the State of Hawaii and its four counties.

2. Healy Tibbits Builders, Inc. $49,686
"Ocean Engineering Internship"
Cheung, Kwok F Ocean & Resources
Ocean Engineering Internship.

3. Indigent Legal Assistance Fund $8,000
"Indigent Legal Assistance Funds (ILAF) Legal Services for the Elderly"
Pietsch, James H School of Law
Provide legal services to low-income individuals to ensure equal access to justice.
4. Navatek, Ltd. $41,081
"Ocean Engineering Internship"
Cheung, Kwok F Ocean & Resources
To provide oversight of the two educational access cable television channels (Channel 55 and 56) provided for accredited education on Oahu.

5. Olelo Community Television $40,000
"Hawaii Educational Networking Consortium (HENC)"
Lassner, David K Info Technology Services
To provide oversight of the two educational access cable television channels (Channel 55 and 56) provided for accredited education on Oahu.

6. Papa Ola Lokahi $93,204
"'Imi Hale Research Administration"
Braun, Kathryn L Public Health Sciences
To identify, train, and mentor individuals interested in conducting research in cancer health disparities.

7. Research Corp, University of Hawaii $108,000
"Hawaii Community Foundation - Construction Industry II Project"
Okazaki, Sandra T Windward CC
Work in partnership with the construction industry unions and provide math refresher and math remedial classes for union recruits to increase the pass rate into unions and apprenticeship programs statewide. Will provide coordination with the apprenticeship programs at HCC, MauiCC, HawaiiCC, and KauaiCC.

8. University of Hawaii Professional Assembly $8,800
"UHPA President Teaching Assistant"
Tiles, Mary E Philosophy
Teaching assistant to take occasional classes and assist with grading and other duties as assigned.

FROM: Hawaii- Health Organizations

1. Kapiolani Medical Center $272,399
"Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement - SF07-KMCWC-PEDS"
Rudoy, Raul C Pediatrics- MED
Salary, fringe benefit & malpractice insurance reimbursement agreement to provide physician and physician-related services for FY 2007.

2. Kapiolani Medical Center $36,238
"Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement - SF07-KMCWC-SURG"
Takanishi, Danny M Surgery- MED
Salary, fringe benefit & malpractice insurance reimbursement agreement to provide physician and physician-related services for FY 2007.

3. Kapiolani Medical Specialists $1,665,634
"Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement - SF07-KMS-PEDS"
Rudoy, Raul C Pediatrics- MED
Salary, fringe benefit & malpractice insurance reimbursement agreement to provide physician and physician-related services for FY 2007.
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11. Straub Clinic & Hospital
"Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement - SF07-STRAUB-SURG"
Takanishi, Danny M. Surgery- MED
Salary, fringe benefit & malpractice insurance reimbursement agreement to provide physician and physician-related services for FY 2007.

"Salary, Fringe Benefit & Malpractice Insurance Agreement SF07-UCERA-GERI"
Blanchette, Patricia Geriatrics-MED
Salary, fringe benefit & malpractice insurance reimbursement agreement to provide physician & physician-related services for FY 2007.

"Salary, Fringe Benefit, & Malpractice Insurance Reimbursement Agreement No. SF07-UCERA-PSYCH"
Hishinuma, Earl Psychiatry-MED
Salary, fringe benefit and malpractice insurance reimbursement agreement to provide physician and physician-related services for FY 2007.

"Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement - SF07-UCERA-PEDS"
Rudoy, Raul C Pediatrics-MED
Salary, fringe benefit & malpractice insurance reimbursement agreement to provide physician and physician-related services for FY 2007.

15. Univ. Clinical, Education & Research Assoc.
"Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement - SF07-UCERA-DO"
Shomaker, Sam School of Medicine
Salary, fringe benefit & malpractice insurance reimbursement agreement to provide physician and physician-related services for FY 2007.

"Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement - SF07-UCERA-SURG"
Takanishi, Danny M. Surgery- MED
Salary, fringe benefit & malpractice insurance reimbursement agreement to provide physician and physician-related services for FY 2007.

17. Univ. Clinical, Education & Research Assoc.
"Salary, Fringe Benefit, & Malpractice Insurance Reimbursement Agreement - SF07-UCERA-MED"
Tam, Elizabeth K School of Medicine
Salary, fringe benefit & malpractice insurance reimbursement agreement to provide physician and physician-related services for FY 2007.
18. Univ. Clinical, Education & Research Assoc. $3,793,052
"Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement SF07-UCERA-OBGYN"
Ward, Kenneth Obstetrics - GYN - MED
Salary, fringe benefit & malpractice insurance reimbursement agreement to provide physician related services for FY2007.

FROM: Mainland- Associations, Foundation, Soc, etc.

1. New England Foundation for the Arts $2,125
"Ballet NY, Nrityagram Dance Ensemble"
Patti, Joseph Leeward CC
Support performances of Ballet NY and Nrityagram Dance Ensemble.

2. New England Foundation for the Arts $1,350
"Ballet NY, Nrityagram Dance Ensemble"
Patti, Joseph Leeward CC
Support performances of Ballet NY and Nrityagram Dance Ensemble.

FROM: Mainland- Business

1. Pacific Radiation Oncology, Inc $34,019
"Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement - SF07-PRO-SURG"
Takanishi, Danny M. Surgery- MED
Salary, fringe benefit & malpractice insurance reimbursement agreement to provide physician and physician-related services for FY 2007.

FROM: Mainland- Other

1. Incorp Rsrch Institutions for Seismology (IRIS) $5,863
"Seismic Wave Propagation Along Mid-Ocean Ridge: 2006 IRIS Internship Program"
Dunn, Robert A Geology & Geophys - SOEST
This project will investigate how seismic wave energy is trapped in a mantle low-velocity zone beneath mid-ocean ridges.

2. Nat'l Writing Project $55,000
"2006 Funding Application-Continuation Report"
Hershinow, Sheldon J Kapiolani CC
Professional development for teachers K-16.

3. Space Telescope Science Institute $103,912
"Hubble Postdoctoral Fellowship - Lisa J. Kewley: Metallicity and Star Formation in Galaxies 0<z<3 (Year Three)"
Stockton, Alan N Institute for Astronomy
The aim of this project is to gain a simultaneous understanding of the metallicity and star formation in the galaxies between 0<z<3.

4. Western States Arts Federation $2,125
"Reggie Wilson/Fist & Heel Performance Group: A Hawaii Residency"
Slaughter, Timothy R Outreach College
An arts residency with dance company, Reggie Wilson/Fist & Heel Performance Group, including 1 public performances and 2 outreach activities.
5. Western States Arts Federation
"Cashore Marionettes: A Hawaii Residency"
Slaughter, Timothy R Outreach College
An arts residency with marionette artist, Joseph Cashore, including 2 public performances and 3 outreach activities.

FROM: U.S. Universities and Colleges

1. Mississippi State University $18,034
"University of Hawaii Participation to MOS University Consortium PET Project"
Lassner, David K Info Technology Services
The University of Hawaii will support the MOS University Team with the Education, Outreach & Training plus other components of the DoD PET Program.

2. Mississippi State University $16,853
"University of Hawaii Participation in MOS University Consortium PET Project"
Lassner, David K Info Technology Services
The University of Hawaii will support the MOS University Team with the Education, Outreach & Training plus other components of the DoD PET Program.

3. Univ of Arizona $6,918
"Water Quality Research and Extension Coordination in Hawaii"
Evensen, Carl I Natural Resources &
Establish a process which develops and shares new and existing practices and management techniques; provide a means for channeling technical and financial resources to address critical water quality issues; and foster environmentally sustainable water resources management practices and facilitate education and implementation programs to promote their widespread adoption.

4. Univ of Notre Dame $5,492
"Quarknet Summer Program"
Jones, Michael D Physics & Astronomy
This project involves high school teachers building and using cosmic ray detectors as a way to introduce particle physics concepts in their teaching.

5. Univ of South Florida $208,720
"Globalization Research Network"
Douglass, Michael Social Science Rsrch Inst
To perform research activities in Water, Urbanization and Rural-Urban Linkages; Responsible Tourism; Globalization and Civic Space; Global Migration and Householding; and Collaborations and Outreach Activities via the Globalization Research Network which includes the University of Hawaii, the University of South Florida, George Washington University and UCLA.
6. Univ of Washington $27,000
"Hawaii Participation in Space Science Network Northwest (S2N2)"
Taylor, G Jeffrey Haw Inst Geophys & Planet
We function as the State of Hawaii broker/facilitator between NASA missions and scientists, teachers, and the public. We are collaborating locally with Hawaii Space Grant and Astrobiology Institute.

FROM: All Non-U.S.

1. Hans Rausing Endangered Languages Project $14,802
"Linguistic Documentation of the Pingilapese Language"
Rehg, Kenneth L Linguistics
This project will document Pingilapese, a less-studied minority language in the Federated States of Micronesia. Pingilapese is endangered due to the emigration of the Pingilapese from their original homeland and pressure form English and Pohnpeian. This project will develop a description of the language and literacy materials.

2. The Academy of Korean Studies $14,000
"The Korean Nation and its 'Others' in the Age of Globalization and Democratization"
Sohn, Ho-Min Korean Studies- SHAPS
International Conference on Korean minorities including KoreanChinese, ChineseKorean, migrant workers, gay/lesbian, disabled, and foreign brides.

3. University of Queensland $8,000
"GEF PhD - Supplement for Training"
Gates, Ruth Haw Inst Marine Bio-SOEST
This supplement will be used to support participation in training workshops.

FROM: Miscellaneous

1. Academy for Educational Development $15,000
"University of Hawaii Korean Flagship Program"
Chaudron, Craig College of Lang, Ling, & Lit
To ease the transition of Korean Flagship Program students in the Domestic program to the Overseas Program at Korea University.

2. International Union of Nutritional Sciences $4,107
"Financial Duties for International Union of Nutritional Sciences"
Kolonel, Laurence N Cancer Research Center
Send annual dues notices to approximately 80 countries that are Adhering Bodies (AB's) of IUNS; Receive & deposit dues from AB's, send receipts; Communicate as needed with AB's regarding overdue dues; Disperse funds as directed by Treasurer (Dr. S. Murphy); Maintain accurate financial records for IUNS & provide a final report of expenditures.
Funds Received from UH Foundation
RESEARCH AWARDS

FROM: Hawaii- Associations, Foundations, Societies, etc.

1. Univ of Hawaii Foundation $14,475
   "Implementation of LDPC Codes"
   Fossorier, Marc P C Electrical Engineering
   Investigate problems related to the implementation of LDPC decodes.

2. Univ of Hawaii Foundation $22,179
   "EPSCoR Interim Project"
   Kaneshiro, Kenneth Y Pacific Biosciences Research
   To support two employees currently supported on EPSCoR grant during the interim period from April 1 through June 30, 2006 when the renewal grant is anticipated to be implemented.

3. Univ of Hawaii Foundation $3,000
   "Rhodaneses Research"
   Volini, Marguerite Pathology- MED
   Study of transformation of energy required to initiate physiological actions in humans.

NON-RESEARCH AWARDS

FROM: Hawaii- Associations, Foundations, Societies, etc.

1. Univ of Hawaii Foundation $75,479
   "Waikoloa Anchialine Pond Preserve Area"
   Brock, Richard E Sea Grant - SOEST
   Support is requested to allow personnel to administer and manage the pond preserve at Waikoloa. Management problems to be addressed include (1) control of recently introduced alien fish; (2) public theft of anchialine organisms; (3) controlling encroaching vegetation; and (4) interfacing and working with the yet-to-be-hired on-site pond manager.

2. Univ of Hawaii Foundation $56,008
   "Learning Resource Centers Strategic Planning"
   Bui, Tung College of Business Admin
   To develop Learning Resource Centers for formal and informal learning in Danang, Can Tho and Thai Nguyen in Vietnam.

3. Univ of Hawaii Foundation $5,000
   "Sen Soshitsu Students/ Staff Support"
   Huey, Robert Japanese Studies- SHAPS
   To cover salary and fringe benefits - costs for students and staff support at the Center for Japanese Studies.

4. Univ of Hawaii Foundation $28,798
   "CRCH Director Stipend Support"
   Kolonel, Laurence N Cancer Research Center
   To provide stipend support and associated fringe benefits for the Director of the Cancer Research Center of Hawai'i.
5. Univ of Hawaii Foundation
"WCC/UHF Pacific Initiative for Environmental Studies"
Krupp, David A Windward CC
Account established to be a vehicle that would enable payments to individuals that are to be funded by the Harold K.L. Castle Foundation grant which supports the Pacific Initiative for Environmental Studies.

6. Univ of Hawaii Foundation
"General Support of LCC"
Lane, Mark Leeward CC
Change PI from Clifford Togo to Mark Lane, extend end date of MOA to June 30, 2008 and increase the funded amount to $50,000.

7. Univ of Hawaii Foundation
"2006 Edwin W. Pauley Summer Program - Aquatic Animal Health and Disease"
Lewis, Teresa Haw Inst Marine Bio-SOEST
Education and training of students in the field of aquatic animal health and disease / Personnel costs for UH Foundation project - Pauley Summers Program 2006.

8. Univ of Hawaii Foundation
"Pew Marine Conservation Fellowship"
Richmond, Robert Pacific Biomed Rsrch Cntr
Conduct research in coral bio-marker development and applications through field and laboratory studies in Guam, Palau and Hawaii. This bio-marker research will provide a valuable tool for coral reef conservation efforts via data that will demonstrate cause and effect and the underlying mechanism for damage to corals.

9. Univ of Hawaii Foundation
"Law School Annual Fund"
Soifer, Aviam School of Law
Process payments for Law School UHF accounts with payroll and tax implications.

10. Univ of Hawaii Foundation
"CRCH Traineeship"
Vogel, Carl-Wilhelm Cancer Research Center
Support of CRCH activities to reduce the incidence and mortality from cancer in Hawaii by research, prevention, control, treatment & support and education.
**SUMMARY**

**EXTRAMURAL RESEARCH AWARDS, JUNE-JULY 2006**

**DISTRIBUTION BY SPONSORS**

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
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224 $47,577,613 100.00
### SUMMARY

**EXTRAMURAL NON-RESEARCH AWARDS, JUNE-JULY 2006**

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**Total** 164 | $41,708,984 | 100.00
YEAR-TO-DATE SUMMARY
EXTRAMURAL RESEARCH AWARDS, JULY-JULY 2006
DISTRIBUTION BY SPONSORS

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86  $10,773,310  100.00
### YEAR-TO-DATE SUMMARY
### EXTRAMURAL NON-RESEARCH AWARDS, JULY-JULY 2006
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|               |     | $231,956,217 | 100.00 |

1014
YEAR-TO-DATE SUMMARY
EXTRAMURAL NON-RESEARCH AWARDS, JULY, 2005 - JUNE, 2006
DISTRIBUTION BY SPONSORS

<table>
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<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
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<th>PERCENT</th>
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661 $183,337,786 100.00
Awards Received by University of Hawaii at Hilo

RESEARCH AWARDS

FROM: DOA-Dept of Agriculture

1. DOA-Dept of Agriculture $118,878
   “UHH Hawaii Agriculture Diversification 2003"
   Michael Shintaku UHH-Agriculture

FROM: DOI-Dept of Interior

1. DOI-Dept of Interior $60,000
   “UHH Hawaiian Vegetation Mapping Project”
   Sharon Ziegler-Chong UHH-Aquaculture

2. DOI-Dept of Interior $154,473
   “UHH Analysis Lab/Field Data Avian Diseases”
   Sharon Ziegler-Chong UHH-Aquaculture

3. DOI-Dept of Interior $14,752
   “UHH Koa Community Ecology”
   Sharon Ziegler-Chong UHH-Aquaculture

4. DOI-Dept of Interior $50,000
   “UHH Controlling Invasive Ants in Hawaii Volcanoes National Park”
   Sharon Ziegler-Chong UHH-Aquaculture

5. DOI-Dept of Interior $9,300
   “UHH Restoration Two Maui Forests”
   Sharon Ziegler-Chong UHH-Aquaculture

6. DOI-Dept of Interior $293,000
   “UHH-PBIN:Operations & PIERC (Hear) Invasive Species Theme”
   Sharon Ziegler-Chong UHH-Aquaculture

7. DOI-Dept of Interior $120,000
   “UHH-PBIN:PIERC/HEAR Invasive Species Theme, 06/07/05”
   Sharon Ziegler-Chong UHH-Aquaculture

FROM: NSF-Nat’l Science Foundation
1. NSF-Nat'l Science Foundation $500,000
   “CAREER: Significance of Foliar Nitrogen and Phosphorus
   Accumulation in Tropical Forests”
   Rebecca Ostertag UHH-Natural Sciences

2. NSF-Nat'l Science Foundation $40,500
   “Graduate Research Fellowship Program”
   Rose Tseng UHH-Chancellor’s Office

FROM: US Colleges and Universities

1. University of Alaska Fairbanks $19,572
   “Synopsis of Live Seafood Market in North America”
   Maria Haws UHH-Aquaculture

FROM: Hawaii Business and Other

1. Hawaii Biotech, Inc. $30,000
   “Protective Efficacy of Vaccine to West Nile”
   Susan Jarvi UHH-Natural Sciences

NON-RESEARCH AWARDS

FROM: DOC-Dept of Commerce

1. DOC-Dept of Commerce $90,410
   “RELATE: River Environments Landuse and Ahapua’a Technologies”
   Sonia Juvik UHH-Social Science

FROM: DHHS-Dept of Health and Human Services

1. DHHS-Dept of Health and Human Services $281,976
   “Nurse Education Practice and Retention”
   Cecilia Mukai UHH-Nursing

FROM: ED-Dept of Education

1. ED-Dept of Education $11,500
   “ANA Youth Empowerment for Success”
   Bill Chen UHH-Distance Education and Instructional Technology
2. ED-Dept of Education  
   “Upward Bound Classic FY06-07”  
   Cornelia Anguay  
   UHH-Upward Bound

3. ED-Dept of Education  
   “Student Support Services Program/Supplement FY 07”  
   Melissa Johnson  
   UHH-Counseling and Student Development Center

FROM: NSF-Nat’l Science Foundation

1. NSF-Nat’l Science Foundation  
   “REU Site: Tropical Conservation”  
   Sharon Ziegler-Chong  
   UHH-Biology

FROM: Mainland Other

1. MBA-Nonprofit Corporation  
   “2006 Packard Environment Fellows”  
   Maria Haws  
   UHH-Aquaculture

FROM: US Colleges and Universities

1. University of Colorado at Boulder  
   “PBIN:Delineating Areas of Interest to Support Date Mining and Integration Across Distributed Sites of Ecological Vulnerability in Hawaii”  
   Sharon Ziegler-Chong  
   UHH-Aquaculture

FROM: Hawaii Government Agencies

1. County of Hawaii  
   “Summer MBA Fellowship”  
   Maria Haws  
   UHH-Aquaculture

2. SoH Dept of Health  
   “Family Planning Services FY 07”  
   Carolyn Lesnett  
   UHH-Health

FROM: Hawaii Business and Other

1. Kamehameha School  
   “UHH Hawaiian Internship Program 2006”  
   Sharon Ziegler-Chong  
   UHH-Aquaculture
2. Kamehameha School  
   “Summer Institute 2006”  $65,000
   David Sing  UHH-Education

3. OHA-Office of Hawaiian Affairs  
   “Aha Opio Alakai Program Implementation”  $125,000
   David Sing  UHH-Director’s Office

FROM: Hawaii Association, Foundation & Societies

1. UH Foundation  
   “Kitaru Watanabe Distinguished Visiting Professor”  $65,400
   Marcia Sakai  UHH-Business

2. UH Foundation  
   “Hawaiian Language Podcast Project”  $9,133
   Audrey Furukawa  UHH-Chancellor’s Office
UNIVERSITY OF HAWAI'I AT HILO SUMMARY

EXTRAMURAL RESEARCH AWARDS, JUNE 2006 - JULY 2006

DISTRIBUTION BY SPONSORS

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<td>DOI-Dept of Interior</td>
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UNIVERSITY OF HAWAII AT HILO SUMMARY

EXTRAMURAL NON-RESEARCH AWARDS, JUNE 2006 - JULY 2006

DISTRIBUTION BY SPONSORS

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Total                                      | 15            | $1,445,030 | 100.00 |

Recommendation: That the Board accepts with thanks the gifts and grants and ratify the actions of the administration in executing the contracts.
PURSUANT TO BOARD OF REGENTS' POLICY, CHAPTER 8-1E
SUBMISSION OF CONTRACTS FOR GOODS OR SERVICES
EXCEEDING $500,000 FOR BOARD APPROVAL

Description: Purchase of liability insurance for excess commercial general liability,
 auto excess liability and umbrella coverage for the University of Hawai‘i System

Contractor: Aon Risk Services of Hawai‘i, Inc.

Amount: $514,547.21

Term: September 1, 2006 to September 1, 2007

Campus: University of Hawai‘i System

Fund Source: Special Funds

Recommendation: That the Board approve the contract for services as recommended.
Appointments, Changes in Appointments, Leaves of Absence, Promotion, Tenure, Waiver of Minimum Qualifications, Emeritus Titles, Shortening of Probationary Period, Salary Adjustments, Position Actions, Classification, Pricing

UNIVERSITY OF HAWAI'I, SYSTEM

Executive/Managerial (E/M) salary adjustments effective July 1, 2006 for eligible E/M personnel.

Salary adjustments effective July 1, 2006 for current, full-time Executive/Managerial (E/M) personnel commensurate with the 2005-2006 CUPA-HR 20th percentile of the national salaries.

Managerial

wiger, florence
Academic Affairs Program Officer, CC
Reassignment
Upon Approval by the Board

Emeritus

IHA, YOSHIMITSU DAVID
Executive Administrator and Secretary to the Board
Provost, Kaua'i Community College
October 1, 2006

UNIVERSITY OF HAWAI'I AT MĀNOA

Executive

OSTRANDER, GARY
Vice Chancellor (Res & Grad Ed), UHM & Interim Dean, UHM
Office of the Chancellor, UHM & John A. Burns School of Medicine
September 25, 2006 - September 24, 2007 as Interim Dean, UHM, or unless sooner relieved

Managerial

LIMA, CHRISTINE
Associate Dean for Academic Affairs
School of Nursing & Dental Hygiene
October 23, 2006 - October 22, 2007

Emeritus

BOPP, THOMAS T.
Professor, I5
Chemistry
Upon Approval by the Board
COLLISON, FREDRICK M.  
Professor, I5  
School of Travel Industry Management  
Upon Approval by the Board

DEUTSCH, ELIOT S.  
Professor, I5  
Philosophy  
Upon Approval by the Board

FEENEY, STEPHANIE S.  
Professor, I5  
Curriculum Studies  
Upon Approval by the Board

HERMAN, LOUIS M.  
Professor, I5  
Psychology  
Upon Approval by the Board

HICKMAN, PATRICIA L.  
Professor, I5  
Art and Art History  
Upon Approval by the Board

HILE, GERALD N.  
Professor, I5  
Mathematics  
Upon Approval by the Board

HUGHES, JUDITH R.  
Professor, I5  
American Studies  
Upon Approval by the Board

KING, PAULINE N.  
Professor, I5  
History  
Upon Approval by the Board

KLOBE, THOMAS  
Professor, I5  
Art and Art History  
Upon Approval by the Board

MADER, ADOLF G.  
Professor, I5  
Mathematics  
Upon Approval by the Board

MCCORMICK, LINDA P.  
Professor, I5  
Special Education  
Upon Approval by the Board
TANABE, GEORGE J. JR  
Professor, I5  
Religion  
Upon Approval by the Board

TANABE, WILLA JANE  
Professor, I5  
Art and Art History  
Upon Approval by the Board

YANAGIMACHI, RYUZO  
Professor, I5  
Anatomy, Biochemistry, Physiology and Reproductive Biology  
Upon Approval by the Board

UNIVERSITY OF HAWAI'I AT HILO

Executive

O’DONNELL, MICHAEL  
Dean, UHH  
College of Continuing Education and Community Service  
October 9, 2006 - October 8, 2007

COMMUNITY COLLEGES

Managerial

ARTHURS, BARBARA A.  
Interim Dean of Student Services  
Hawai'i Community College  
October 1, 2006 - September 30, 2007, or unless sooner relieved

PECSOK, MICHAEL H.  
Interim Vice Chancellor, CC (Acad Aff)  
Leeward Community College  
October 1, 2006 - July 31, 2007, or unless sooner relieved

ROBINSON, SUZETTE  
Interim Vice Chancellor, CC (Acad Aff)  
Maui Community College  
October 1, 2006 - September 30, 2007, or unless sooner relieved

Recommendation: That the Board approve the personnel actions as recommended.
RESIGNATIONS AND RETIREMENTS OF BOARD OF REGENTS’ APPOINTEES

Resignations

BAYSA, RODANTE S.
Institutional Support
(Administrative Officer)
Psychiatry
University of Hawai‘i at Mānoa
June 21, 2006

CHAPITAL, ALYSSA D.
Assistant Professor
Surgery
University of Hawai‘i at Mānoa
June 23, 2006

GRAMLICH, EDWIN P.
Associate Professor
Psychiatry
University of Hawai‘i at Mānoa
June 30, 2006

GRUBBS, RALPH DEAN II
Assistant Researcher
Hawai‘i Institute of Marine Biology
University of Hawai‘i at Mānoa
November 15, 2005

HINSON, KIALANI L.
Academic Support
(Educ & Acad Support Sp)
Plant & Environmental Protection Sciences
University of Hawai‘i at Mānoa
June 2, 2006

HOOD CISAR, SALLY J.
Assistant Professor
Inst for Teacher Education
University of Hawai‘i at Mānoa
July 31, 2006

KIM, HYUN JOON
Assistant Professor
School of Travel Industry Management
University of Hawai‘i at Mānoa
July 31, 2006
KINSEY, BENJAMIN S.
IT Specialist
Institutional Research Office
University of Hawai‘i, System
September 30, 2005

LAWS, EDWARD
Professor
Oceanography
University of Hawai‘i at Mānoa
December 31, 2005

MA, HAO
Junior Plant Pathologist
Plant & Environmental Protection Sciences
University of Hawai‘i at Mānoa
May 23, 2006

NUNOURA, TEPPEI
Assistant Researcher
Hawai‘i Natural Energy Institute
University of Hawai‘i at Mānoa
May 30, 2006

SANCHEZ, ERIC MICHAEL
Instructional & Student Support
(Educational & Academic Support Sp)
Athletics
University of Hawai‘i at Hilo
May 15, 2006

SILER, JOHN R.
Instructor
Natural Sciences
Kaua‘i Community College
July 31, 2006

THAMPAN, TONY
Assistant Researcher
Hawai‘i Natural Energy Institute
University of Hawai‘i at Mānoa
May 19, 2006

THORDARSON, THORVALDUR
Associate Researcher
Geology and Geophysics
University of Hawai‘i at Mānoa
March 31, 2006
WANG, WUYIN  
Assistant Researcher  
Hawai‘i Natural Energy Institute  
University of Hawai‘i at Mānoa  
April 13, 2006  

WANG, XINGENG  
Assistant Researcher  
Plant & Environmental Protection Sciences  
University of Hawai‘i at Mānoa  
May 31, 2006  

Retirements  

ANGUAY, CORNELIA L. A.  
Academic Support  
(Educational Specialist)  
Student Affairs  
University of Hawai‘i at Hilo  
May 31, 2006  

ARAKAKI, JIRO D.  
Physical Plant Management  
Auxil & Fac Svcs Off  
Auxiliary Enterprises  
University of Hawai‘i at Mānoa  
April 30, 2006  

BOPP, THOMAS T.  
Professor & Chair  
Chemistry  
University of Hawai‘i at Mānoa  
June 30, 2006  

COLLISON, FREDRICK M.  
Professor  
School of Travel Industry Management  
University of Hawai‘i at Mānoa  
May 31, 2006  

DERASIN, WILLIAM  
Professor, CC  
Technologies  
Hawai‘i Community College  
July 31, 2006  

ENDO, CALVIN  
Associate Professor  
Sociology  
University of Hawai‘i at Mānoa  
May 31, 2006
HUK, RODNEY B.
Professor
Pediatrics
University of Hawai‘i at Mānoa
December 30, 2005

KAWATA, JANET H.
Institutional Support
(Administrative Officer)
Dean’s Office
University of Hawai‘i at Mānoa
December 30, 2005

LEE, PATRICIA D.
Instructor
Geology and Geophysics
University of Hawai‘i at Mānoa
June 30, 2006

MADER, ADOLF G.
Professor
Mathematics
University of Hawai‘i at Mānoa
June 1, 2006

SHARMA, SANTOSH D.
Professor
Obstetrics, Gynecology and Women’s Health
University of Hawai‘i at Mānoa
December 30, 2005

SILEO, THOMAS W.
Professor
Special Education
University of Hawai‘i at Mānoa
May 31, 2006

YANAGIMACHI, RYUZO
Professor
Anatomy, Biochemistry, Physiology and
Reproductive Biology
University of Hawai‘i at Mānoa
December 30, 2005

Retirements of Civil Service Employees

ABE, SUSAN S.
Clerk Stenographer II
History
University of Hawai‘i at Mānoa
July 31, 2006
AGINA, GWENDOLYN H.
Secretary II
History
University of Hawai‘i at Mānoa
July 31, 2006

HAGIWARA, LAVERNE M.
Private Secretary II
Board of Regents
University of Hawai‘i, System
June 30, 2006

NEALON, IDA L.
Janitor II
Auxiliary Serv Off
University of Hawai‘i at Hilo
April 28, 2006

YAMAMOTO, REBECCA M.
Secretary II
Medicine Dept
University of Hawai‘i at Mānoa
June 30, 2006

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David McClain
President

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