BOARD OF REGENTS' MEETING

Date: November 17, 2005
Time: 10:15 a.m. (or immediately following the meeting of the State Board for Career and Technical Education)

Place: Maui Community College
Laulima 105
310 Ka'ahumanu Avenue
Kahului, Maui, HI 96732

AGENDA

I. Call Meeting to Order

II. Approval of Minutes of the Board of Regents' October 20-21, 2005 Meeting

III. Public Comment Period 1:
The public may present testimony on matters on the Board of Regents' agenda. 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. Agenda Items, Public Session 2/
1. Establishment of a Certificate in Applied Forensic Anthropology, University of Hawai'i at West O'ahu
2. Request to Retain Outside Counsel for University of Hawai'i, Hawai'i Community College's Projects
3. Establishment of the Dan and Maggie Inouye Distinguished Chair in Democratic Ideals
4. Proposed Amendment to Board of Regents' Policy, Section 5-9a(1)(c) Relating to Honorary Degrees
6. John A. Burns School of Medicine - Kaka'ako Deep Well Cooling Project with Board of Water Supply
7. Telecommunications Services on the University of Hawai'i at Mānoa Campus (information only)
8. Delegation of Authority on Public/Private Partnerships

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

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

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 be taking a working lunch at approximately 12:00 noon, reconvene at approximately 1:30 p.m., and recess at approximately 5:30 p.m. Agenda item(s) not completed by approximately 5:30 p.m. on Thursday will be taken up at 9:00 a.m. on Friday, November 18, 2005
Board of Regents' Meeting (Continued)

VII. University of Hawai‘i Foundation Report
VIII. Report of Executive Officer
IX. New or Other Business
X. Announcement of Next Meeting of the Board
   Date:    Thursday, January 19, 2006
   Place:   Kapi‘olani Community College
XI. Executive Session (if necessary)
    Legal and Personnel Matters will be considered in executive session (Attachment #1)
XII. Adjournment
MATTERS TO BE DECIDED IN EXECUTIVE SESSION

I. LEGAL MATTERS

A. Status of Public/Private Partnership Projects
   1. Cancer Research Center of Hawai‘i
   2. Student Housing, University of Hawai‘i at Mānoa
   3. U.S. China Center, University of Hawai‘i at Hilo

   To be discussed in executive session pursuant to HRS § 92-5(a)(3) and consult with the Board’s attorney pursuant to HRS § 92-5(a)(4)

II. PERSONNEL ACTIONS RELATED TO THE FOLLOWING POSITIONS:

A. Reappointment of Interim Vice Chancellor, University of Hawai‘i at West O‘ahu
B. Appointment of Interim Dean, College of Arts and Humanities, University of Hawai‘i at Mānoa
C. Tenure for Professor, School of Travel Industry Management, University of Hawai‘i at Mānoa
D. Reassignment of Vice Chancellor for Administration, Finance and Operations, University of Hawai‘i at Mānoa
E. Reassignment of Policy and Program Officer to Interim Associate University Librarian, University of Hawai‘i at Mānoa
F. Director of Financial Management and Controller, University of Hawai‘i
G. Chancellor, Leeward Community College
H. Honorary Degree and Regents’ Medal of Distinction
I. Dean, College of Pharmacy, University of Hawai‘i at Hilo
J. Associate Director, Office of Human Resources, University of Hawai‘i System
K. Executive/Managerial Compensation Adjustments
L. Update on Executive Searches

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 September 1, 2005 through September 30, 2005 total $87,129,341. The University of Hawai'i at Hilo received a total of $6,322,056 during the same period.

RESEARCH AWARDS

FROM: DA-Dept of Agriculture

1. DA-Cooperative State Research Service $49,837
   "Economics of Managing Invasive Species in Tropical and Sub-tropical Areas of the US - Hawaii"
   Ferguson, Carol A Natural Resources & Cross-regional project with Universities of Hawaii, Guam, Florida, Puerto Rico. Decision-making framework and risk management system combining economic and scientific analyses on occurrence and impacts from invasive species. Regional case studies to validate, apply comprehensive model. Develops collaborative interdisciplinary network for invasive species

2. DA-Cooperative State Research Service $33,606
   "Controlling Invasive Species Using Native Plant Agroforestry Systems"
   Idol, Travis Natural Resources & Invasive species threaten the environment, culture, and economy of Hawaii. We intend to use a multi-purpose agroforestry system to control invasive species and support the culture and economy of Hawaii.

3. DA-Cooperative State Research Service $84,830
   "Coffee Genomics: Isolation and Characterization of Genes Involved in Organ Size"
   Kumagai, Monto Molecular Biosci & Biosyst We intend to isolate and characterize genes that control organ size in two different coffee varieties grown in Hawaii, we will provide new molecular tools that will be used in the coffee breeding program to maintain yield while breeding for new improved flavor

4. DA-Cooperative State Research Service $48,968
   "Assessment of Veterinary Antibiotics, Hormones, and Pathogens in Animal Wastes and their Fate and Transport in Tropical Soils"
   Ray, Chittaranjan Water Resource Research We will conduct experiments to assess the presence of veterinary antibiotics, hormones, and pathogens in animal manures and lagoon wastewaters and study their movement in tropical soils of
5. DA-Cooperative State Research Service
"Growth of Tropical Crops in Response to Organic Amendments and Indigenous Arbuscular Mycorrhizae"
Valenzuela, Hector R Tropical Plant & Soil
The long-term research goal is to develop agricultural management systems that utilize locally available soil amendments in tropical agriculture. A second goal is to understand the dynamics and role of indigenous mycorrhizae in Pacific island agroecosystems.

6. DA-Cooperative State Research Service
"Hawaii Floriculture Research Grant - 2005"
Vincent, Douglas L Administration - CTAHR
New cultivars of cut and potted anthurium, orchid, protea, and tropicales will be developed using conventional hybridization and genetic engineering techniques. A strong focus will be made on streamlining and accelerating the release of new cultivars to Hawaii's flower industry.

7. DA-Dept of Agriculture
"Keetch/Byram Drought Index Forecast for Hawaii"
Chu, Pao-Shin Meteorology - SOEST
To determine observed Keetch/Byram drought index from weather stations in Hawaii and grid the index for numerical models.

8. DA-Dept of Agriculture
"Characterizing Nitrogen Mineralization and Plant N Supply from Animal Manures and Effluent in Hawaii's Soils"
Deenik, Jonathan Tropical Plant & Soil
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 germane 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.

9. DA-Dept of Agriculture
"Funding for Research of Mutual Interest"
Grace, J Kenneth Plant & Environmental R-9

10. DA-Dept of Agriculture
"Agricultural Postharvest, Value-added Products and Processing Program"
Hashimoto, Andrew College of Tropical Ag & R-9

11. DA-Dept of Agriculture
"Genetic Host-Matching in Biocontrol of Strawberry Guava"
Manshardt, Richard M Tropical Plant & Soil
Characterize genetic variation in strawberry guava and its proposed insect biocontrol agent to identify genotypes optimally adapted for biocontrol of Hawaiian strawberry guava populations.

12. DA-Dept of Agriculture
"Minor Crop Pest and Disease Control"
Vincent, Douglas L Coll, Trop Ag & Human Res R-9
13. DA-Dept of Agriculture  $255,853
"Protecting Papaya from Pests and Diseases"
Vincent, Douglas L Coll, Trop Ag & Human Res
R9

14. DA-Dept of Agriculture  $255,853
"Hawaii Pineapple Improvement"
Vincent, Douglas L Coll, Trop Ag & Human Res
R9

15. DA-Dept of Agriculture  $215,105
"Environmental Effects of Tephritid Fruit Fly Eradication and Control"
Vincent, Douglas L Coll, Trop Ag & Human Res
R-9

16. DA-Dept of Agriculture  $103,841
"Detection, Control, and Mitigation of Banana Bunchy Top Virus (BBTV) and Citrus Tristeza (CTV) Virus in Hawaii"
Vincent, Douglas L Coll, Trop Ag & Human Res
R-9

17. DA-Natural Resources Conservation Service  $44,550
"Programmatic Safe Harbors Act Agreement: Phase 2"
Duffy, David Botany
Finalize Programmatic Safe Harbor Act Agreement for the Wetland Reserve Program in Hawaii, enhancing habitats for endangered waterfowl.

18. DA-Natural Resources Conservation Service  $30,518
"Survey for Little Fire Ant (Wasmannia Auropunctata) in West Hawaii, Island of Hawaii"
Duffy, David Botany
Survey for the Little Fire Ant on West Hawaii.

19. DA-Natural Resources Conservation Service  $17,110
"Hawaii Animal Nutrition and Forage Production Profiling Project"
Thorne, Mark Human Nutrition, Food &
The objective of this project is to profile animal performance and forage production values in Hawaii for use in predicting forage requirements for growing and finishing beef cattle more efficiently in the state.

FROM: DHHS-Dept of Health & Human Services

1. National Institutes of Health  $312,700
"Autonomic Function/Insulin Resistance/Multiethnic Population"
Grandinetti, Andrew Pacific Biosciences
This project investigates the role of insulin resistance as a correlate of autonomic function assessed by measuring heart rate variability and sweat responses. The project also compares these markers of autonomic function in a multiethnic cohort, and will provide preliminary data for future cohort studies.
2. National Institutes of Health  
"Characterization of a Novel Metal Ion-Permeable Channel"
Hermosura, Meredith C  Pacific Biomed Rsrch Cntr
This 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.

3. National Institutes of Health  
"Testing the Transtheoretical Model of Behavior"
Nigg, Claudio  Office of Public Health
This is a project investigating why individuals change physical activity and nutrition behaviors over time using the Transtheoretical Model of Behavior Change.

4. National Institutes of Health  
"University of Hawaii NeuroAIDS SNRP"
Shikuma, Cecilia M  School of Medicine
To study the effects of HIV disease and therapy on the autonomic nervous system.

5. National Institutes of Health  
"Cellular Basis of Immunological and Neurological Disease"
Smith, Dean O  Pacific Biomed Rsrch Cntr
To enhance the State of Hawaii's biomedical research capacity, permitting development of improved access to biomedical research infrastructure for all institutions in Hawaii.

6. National Institutes of Health  
"Upgrade to Dell High Performance Bioinformatics Computing System"
Smith, Dean O  School of Medicine
Upgrade the storage capacity and memory size of the Dell High Performance Computer Cluster.

7. NIH-Nat'l Cancer Institute (NCI)  
"Patterns of Care Study: Diagnosis Year 2004"
Goodman, Marc T  Cancer Research Center
Evaluate treatment patterns specifically for male invasive breast cancer, male & female invasive kidney or head and neck cancer, female breast cancer with negative nodes and positive estrogen receptor tumors.

8. NIH-Nat'l Cancer Institute (NCI)  
"Does Completeness of SEER Follow-Up Vary by Race/Ethnicity?"
Maskarinec, Gertraud  Cancer Research Center
The goal of this project is to quantify the completeness of follow-up in the Hawaii Tumor Registry in regard to characteristics that may be related to cancer survival.
9. NIH-Natl Cancer Institute (NCI) $234,726
   "University of Guam/Cancer Research Center of Hawaii Partnership"
   Vogel, Carl-Wilhelm Cancer Research Center
   The University of Guam and the Cancer Research Center of Hawaii is engaged in a long-term partnership of mutual benefit in the area of cancer research, cancer training, career development and cancer outreach.

10. NIH-Natl Center for Complementary & $197,190
    "Soy Consumption and Breast Tissue Proliferation"
    Maskarinec, Gertraud Cancer Research Center
    This project will investigate the relation between soy intake during different stages of life and markers of proliferation in cancerous and normal breast tissue from breast cancer cases and from healthy women.

11. NIH-Natl Center for Minority Health $496,053
    "Partnerships to Overcome Obesity Disparities in Mau, Marjorie K Native Hawaiian Health-
    This application is a three year planning grant to establish community-academic partnerships to develop and implement a pilot intervention aimed at obesity-related health disparities in Native Hawaiians (NHs) and Pacific Peoples (PPs) which includes Filipinos and other Pacific Islanders.

12. NIH-Natl Center for Minority Health $1,073,068
    "Partnerships for Diabetes Related Disparities in Mau, Marjorie K Native Hawaiian Health-
    Research collaboration to investigate diabetes-related disparities in the State of Hawaii.

13. NIH-Natl Center for Research Resources $1,773,584
    "RCMI Clinical Research Infrastructure Initiative Shomaker, Sam School of Medicine
    This is a renewal application for the CRMI (Research Center for Minority Institutions) Clinical Research Infrastructure Initiative. The current RCMI center has been funded by the National Center for Research Resources, a division of NIH for the past 10 years. The Center concentrates on assisting clinical investigators in all aspects of research.

14. NIH-Natl Heart, Lung & Blood Institute $596,006
    "Heart Failure Disparities in Native Hawaiians"
    Mau, Marjorie K Native Hawaiian Health-
    A 5-year plan to develop and establish a Partnership Program to address heart failure disparities among Native Hawaiians and Pacific Peoples. The overall goals are to conduct hypothesis driven research and to train and educate investigators and researchers in the field of cardiovascular disease disparities among the aforementioned population.

15. NIH-Natl Heart, Lung & Blood Institute $55,476
    "Heart Failure Disparities in Native Hawaiians"
    Mau, Marjorie K Native Hawaiian Health-
    The proposed study will examine behavioral, cognitive, and socio-cultural factors associated with HF self-care in Native Hawaiians and Pacific Peoples. This study is a NIH research supplement attached to parent grant of the same title.
16. NIH-Nat'l Inst of Drug Abuse
"Early Brain Development after Prenatal 'Ice' Exposure: A Longitudinal MR Study"
Chang, Linda Medicine- MED
We will evaluate brain development in 120 children (60 with prenatal methamphetamine exposure and 60 without prenatal methamphetamine exposure) using brain scans (Magnetic Resonance imaging techniques) and mental function tests that are done with paper and pencils. We hope the results will determine whether "ice" exposure prenatally affects brain development.

17. PHS-Centers for Disease Control (CDC)
"Asian/Pacific Islander Youth Violence Prevention"
Hishinuma, Earl Psychiatry- MED
Center designed to support and fund administrative/infrastructure, research, outreach and education for the prevention of interpersonal youth violence of Asian/Pacific Islander youth. Defined community is Kailua-Waimanalo, which will interact with the Center in community-based participatory research.

FROM: DOC-Dept of Commerce

1. DOC-National Oceanic & Atmospheric
"Discovery of Pharmaceutical Lead Compounds from Marine Organisms"
Bidigare, Robert R Oceanography - SOEST
Isolation of novel microbes from marine sediments, performing additional screens for anti-bacterial and anti-fungal lead compounds, and identification of novel neurotoxins and pro-inflammatory compounds from the Hawaiian box jellyfish

2. DOC-National Oceanic & Atmospheric
"NSPECT: Evaluation of its Performance in Modeling the Effect of Land Based Management Practices on Costal Areas"
Fares, Ali Natural Resources &
Assessment of N-SPECT, a numerical model, including model input development, model execution, comparison of model outputs and analysis of comparison results to measured and simulate data with other models, i.e., AnnAGNPS.

3. DOC-National Oceanic & Atmospheric
"Investigation of Aggregation Behavior of FAD-Associated Small Yellowfin Tuna and Size Dependant Vertical Stratification"
Holland, Kim N JIMAR - SOEST
To tag small yellowfin tuna (< 40 cm) to compare their aggregation behavior around FADs (fish aggregating devices) with that of larger fish tagged in previous experiments and to determine if yellowfin tuna of different sizes segregate vertically when they co-occur in aggregations of mixed size classes.
4. **DOC-National Oceanic & Atmospheric**

"Enhancement of Data and Research Activities for Climate Studies at the International Pacific Research Center (IPRC)"

McCreary, Julian P  
JIMAR - SOEST

The project enhances the activities at the Asia-Pacific Data-Research Center (APDRC) within the International Pacific Research Center (IPRC) at the University of Hawaii. Activities include web-based access to a broad range of ocean, atmosphere, and air-sea flux data and products for climate studies.

5. **DOC-National Oceanic & Atmospheric**

"Acoustic Monitoring of Long-Term Movement Patterns, Habitat Use and Site Fidelity of Coral Reef Fishes: Implications for Marine Protected Area Design"

Meyer, Carl  
Haw Inst Marine

We will equip coral reef fishes with small transmitters to determine whether they are permanently resident within a marine reserve.

6. **DOC-National Oceanic & Atmospheric**

"National Weather Service - JIMAR Pacific International Desk"

Schroeder, Thomas A  
JIMAR - SOEST

Training is provided to selected candidate meteorologists from the predominantly island nations within World Meteorologic Organization (WMO) Region 5. Goal is to train in techniques and technology applicable to their national and physically transfer appropriate hardware and software to that nation.

7. **DOC-National Oceanic & Atmospheric**

"Small Boat Bigeye and Yellowfin Tuna Operations and Regulatory Scenarios in the Main Hawaiian"

Sibert, John R  
JIMAR - SOEST

To conduct research on the historic and commercial trends of the Hawaii fishing community with a focus on fishing operations associated with private fish aggregating devices (FADs) located off of the islands of Kauai and Hawaii.

8. **DOC-National Oceanic & Atmospheric**

"Long-Term Deployment of Satellite Tags on Swordfish using the California Harpoon Fleet"

Sibert, John R  
JIMAR - SOEST

To determine the potential for using harpoon fishing fleets to deploy pop-up satellite archival tags (PAT tags) on swordfish. PAT tags enable fishery biologists in studying fish migratory, feeding and behavioral patterns. Researchers will also test different tag attachments for durability.

9. **DOC-National Oceanic & Atmospheric**

"Regime Shifts and Recruitment in Western and Central Pacific Ocean Tuna Fisheries"

Sibert, John R  
JIMAR - SOEST

To detect discontinuities and/or low frequency periodic variability in multivariate physical and biological time series data characteristic of the western and central Pacific Ocean and its tuna fisheries.
10. DOC-National Oceanic & Atmospheric  
"Spatial Modeling of the Tradeoff between Sea Turtle Take Reduction and Economic Returns to the Hawaii Longline Fishery"  
Sibert, John R  
JIMAR - SOEST  
To update current economic models used for the Hawaii longline fishery to estimate economic returns associated with current or proposed time/area closure policies for the Pacific Ocean region.  
$77,789

11. DOC-National Oceanic & Atmospheric  
"Sociological Baseline of Hawaii-Based Longline Fishery: Extension and Expansion of Scope"  
Sibert, John R  
JIMAR - SOEST  
To continue the compilation of a comprehensive sociocultural profile of the Hawaii longline fishing industry for use in policy making by government fishing agencies.  
$38,830

12. DOC-National Oceanic & Atmospheric  
"An Analysis of Archaeological and Historical Data on Fisheries for Pelagic Species in Guam and the Northern Mariana Islands"  
Sibert, John R  
JIMAR - SOEST  
To conduct archival research of pre-war Japanese tuna fishery activities that occurred in the Northern Marianas region, and conduct archaeological analysis of fishbone collections gathered from an excavation in Guam for pelagic species identification.  
$19,996

13. DOC-National Oceanic & Atmospheric  
"Evaluation of Data Quality for Catches of Several Pelagic Management Unit Species by Hawaii-Based Longline Vessels and Exploratory Analyses of …"  
Sibert, John R  
JIMAR - SOEST  
To conduct statistical research of selected pelagic fish species to increase the number of verified data sets used in multi-species modeling efforts.  
$106,210

14. DOC-National Oceanic & Atmospheric  
"Economic Fieldwork on Pelagic Fisheries in Hawaii"  
Sibert, John R  
JIMAR - SOEST  
To investigate fishing technology used by the Hawaii-based longline fishery and to identify important elements taken into account by fishing captains and crew when selecting fishing gear and vessel equipment.  
$72,278

15. DOC-National Oceanic & Atmospheric  
"Fishery Dynamics in the Samoan Archipelago"  
Sibert, John R  
JIMAR - SOEST  
To investigate the domestic fisheries of the Samoan archipelago through analysis and comparison of Samoan fisheries data with other Pacific Island fisheries, and to conduct further analysis of the regional south Pacific albacore stocks caught by the Samoan
16. DOC-National Oceanic & Atmospheric
"Modeling the Eco-physiology of Pelagic Fishes and Sharks with Archival and Pop-up Satellite Archival Tags (PSATs)"
Sibert, John R  JIMAR - SOEST
To use available data from archival and pop-up satellite archival tags (PSATs) to develop individual-based models (IBMs) to describe the eco-physiology of different species of large pelagic fishes and sharks. Researchers plan to use IBMs in evaluating the importance of specific oceanographic parameters and for intra- and inter-species comparisons.

17. DOC-National Oceanic & Atmospheric
"Integrative Modeling in Support of the Pelagic Fisheries Research Program: Spatially Disaggregated Population Dynamics Models for Pelagic Fisheries"
Sibert, John R  JIMAR - SOEST
To conduct statistical modeling and analysis of fisheries tagging data to determine movement patterns and population dynamics of pelagic fishes (tuna, billfish, swordfish).

18. DOC-National Oceanic & Atmospheric
"Incidental Catch of Non-Target Fish Species and Sea Turtles: Comparing Hawaii's Pelagic Longline Fishery Against Others"
Sibert, John R  JIMAR - SOEST
To develop data profiles of Japanese and Taiwanese longline fishing fleets that fish for pelagic species (Bigeye, yellowfin tuna) throughout the western and central Pacific Ocean. To gather information on number and size of vessels, fish-holding capacity, refrigeration methods, target species and target methods.

19. DOC-National Oceanic & Atmospheric
"Ho'o kahua hou: Continued Replenishment of Alien-Dominated Hawaiian Coasts-Efforts to Remove Alien Biomass, Replant Native Species and Educate"
Smith, Celia M  Botany
This project will fund use of the super sucker, removal of alien algal biomass, propagation of native species, monitoring spread of alien algae around Oahu and educating local community leaders about alien algae.

20. DOC-National Oceanic & Atmospheric
"Exploration of Biodiversity and Pharmaceutical Potentials of Marine Fungi in Hawaii"
Wang, Guangyi  Haw Nat Energy Inst
Exploration of Marine microbial diversity and pharmaceutical potentials for human health.

21. DOC-National Oceanic & Atmospheric
"Role of Ocean-Atmosphere Interaction in Seasonal and Interannual Variations of the Atlantic ITCZ"
Xie, Shang-Ping  JIMAR - SOEST
Use regional climate modeling and observational diagnosis to study tropical Atlantic climate variability.
22. DOC-Nat'l Marine Fisheries Service $73,000
"Applications of Satellite Ocean Remote Sensing to Living Marine Resources (Ocean Remote Sensing)"
Schroeder, Thomas A JIMAR - SOEST
To develop and integrate information derived from analyses of satellite oceanographic data into population dynamics research.

23. DOC-Nat'l Marine Fisheries Service $265,000
"Fisheries Oceanography: Protected Species Investigations - Marine Turtle Research Program"
Schroeder, Thomas A JIMAR - SOEST
The primary focus of the Marine Turtle Research Program is to achieve the biographical recovery and management of sea turtle populations in the central and western Pacific.

24. DOC-Nat'l Marine Fisheries Service $3,400,000
"Sustaining Healthy Coastal Ecosystems (JIMAR Coastal Research Program)"
Schroeder, Thomas A JIMAR - SOEST
This project will support multi-disciplinary efforts to assess, monitor, restore, and protect coral reef ecosystems of the U.S.

25. DOC-Nat'l Marine Fisheries Service $73,566
"Protected Resources: Environmental Compliance Initiative (PRECI)"
Schroeder, Thomas A JIMAR - SOEST
To establish and maintain enhanced management based on science for protected resources. Information obtained will be used to assist resource managers in decision making and directing further investigation in habitat and protected species investigation and enhance interagency cooperation.

26. DOC-Nat'l Marine Fisheries Service $130,000
"Marine Resources Dynamics and Assessment Program (MARDAP): Economics of Fisheries"
Schroeder, Thomas A JIMAR - SOEST
To compile a comprehensive social and community profile of the longline fishing industry of Hawaii and to compile a profile of Hawaii Fishing communities associated with the longline fishing industry.

27. DOC-Nat'l Marine Fisheries Service $25,000
"Marine Resource Dynamics Assessment Program (MARDAP): Sociocultural Profile of Pacific Islands Region Fishing Ports"
Schroeder, Thomas A JIMAR - SOEST
To develop a social and cultural data base of fishing ports and associated communities in Hawaii, Guam, Commonwealth of the Northern Marianas, and American Samoa. The goal is to provide a standard set of information for all Western Pacific fishing ports that is consistent with profiles currently being developed in other parts of the country.

28. NOAA-National Ocean Service (NOS) $113,044
"Cooperative Agreement for Coral Reef Mapping and Monitoring Efforts in the Pacific Islands"
Jokiel, Paul L Haw Inst Marine
This project represents a collaborative effort to map, describe and evaluate coral reefs throughout Hawaii and the Pacific.
FROM: DOD-Dept of Defense

1. DOD-Dept of Air Force $2,024
   "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

2. DOD-Dept of Air Force $2,530
   "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

3. DOD-Dept of Air Force $5,500
   "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

4. DOD-Dept of Army $70,000
   "Regional Sediment Management - Makapuu to Mokapu, Oahu"
   Fletcher, Charles H Geology & Geophys -
   Research activities pertaining to the regional sediment management project for windward Oahu including historical shoreline analysis, offshore sand body analysis, inventory and compilation of existing data, and constructing GIS layers of existing and newly collected data.

5. DOD-Dept of Army $1,224,000
   "Pacific Rim Corrosion Research Program Addendum"
   Hihara, Lloyd H Mechanical Engineering
   The proposal is an addendum to the existing Pacific Rim Corrosion Research Program (PRCPR) that consists of additional research efforts within the scope of the contract statement of work. The additional work will involve four of the seven tasks of the PRCRP. The work deals with either testing new materials for their corrosion properties or will entail testing more parameters.

6. DOD-Dept of Army $79,000
   "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.

7. DOD-Dept of Army $9,183
   "Active Hyperspectral Sensor Research"
   Madey, John Physics & Astronomy
   Research on optical sensors employing a wavelength-agile, spectrally bright laser illuminator and a matched, hyperspectral optical receiver.
8. DOD-Dept of Army $100,000
"Equation of State of WC"
Manghnani, Murli H Haw Inst Geophys & Planet Microscopic structures of materials.

9. DOD-Dept of Army $58,795
"Pediatric Multi-Site Phonocardiography: Automated Interpretation of Pediatric Heartsounds"
Reed, Todd Electrical Engineering Computer-aided heart sound analysis for diagnosing cardiac condition in infants and children.

10. DOD-Dept of Navy $184,109
"Environment for Design of Advanced Marine Vehicles and Operations Research - ENDEAVOR"
Cheung, Kwok F Ocean & Resources Develop a virtual environment for design of advanced marine vehicles and operations.

FROM: DOE-Dept of Energy

1. DOE-Dept of Energy $39,000
"Fabrication and 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.

2. DOE-Dept of Energy $992,000
"Hawaii Hydrogen Center for Development and Deployment of Distributed Energy Systems, Phase II"

FROM: DOI-Dept of Interior

1. DOI-Fish & Wildlife $1,000
"Effects of Fountain Grass Management Strategies on the Demographics of a Former Tropical Dry Forest Plant Community and on the Promotion of a…"
Daehler, Curtis C Botany The proposed research will determine the effects of fire, herbicide, and grazing on dryland plant community structure and weed establishment.
2. DOI-Fish & Wildlife
"Conservation Biology of Federally Endangered Hawaiian Tree Snails"
Hadfield, Michael G Pacific Biosciences
To continue the conservation effort in three areas: (1) captive propagation of threatened and Hawaiian endangered tree snails; (2) monitor residual populations of Achatinella spp. In the Koʻolau and Waʻianae Mountains; and (3) periodically survey mountain areas on Oʻahu that are unknown to us or where recent surveys have not been carried out.

3. DOI-Fish & Wildlife
"Optimal Public Control of Exotic Species: Preventing the Brown Tree Snake from Invading Hawaii"
Roumasset, James A Economics
The objective of this project is to construct a model of introduction of an invasive species and to determine optimal prevention and control strategies. We examine the case of the Brown Tree Snake, a potential threat to Hawaii that could cause economic damages including loss of biodiversity, power outages from snake-power line interactions, and health concerns.

4. DOI-Fish & Wildlife
"Genetic Identity, Range and Phylogeography of the Threatened Kern Primrose Sphinx Moth (Eurproserpinus euterpe)"
Rubinoff, Daniel Plant & Environmental
Molecular Phylogenetic analysis of populations of the Endangered Kern Primrose Sphinx moth and related species to determine optimal conservation planning and conservation status for the species.

5. DOI-Fish & Wildlife
"Kaneohe Marine Base Marine Resource Inventory & Monitoring"
Smith, Jennifer Botany
Marine surveys will be conducted in the waters surrounding Kaneohe Marine Base to develop an inventory of the marine flora & fauna.

6. DOI-Fish & Wildlife
"Dive Proposal for Rose Atoll"
Wiltshire, John C HURL - SOEST
To conduct a submersible dive to investigate the situation and damage caused by a grounded vessel on Rose Atoll in the South Pacific.

7. DOI-Geological Survey
"National Assessment - Historical Shoreline Change in the Hawaiian Islands"
Fletcher, Charles H Geology & Geophys -
To investigate the Hawaiian Shoreline changes.
8. DOI-Geological Survey
"Evaluating the Effectiveness and Feasibility of Commercial Ozone Technologies Used for Sanitation of Work Area and Laundry Services"
Fujioka, Roger S Water Resource Research
Obtain independent, laboratory based, performance data to evaluate the effectiveness, feasibility and safety in the application of one ozone technology for cleaning and disinfections of work place surface area and cleaning and disinfection of linen and clothes. Secondary goal is to evaluate the economic benefits when these ozone technologies are used.

9. DOI-Geological Survey
"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.

10. DOI-Geological Survey
"Analysis of the Genotypes of Acropora Spp. Corals in the Caribbean"
Toonen, Robert Haw Inst Marine
To genotype Acropora spp. corals and determine stock structure for management applications throughout the Caribbean.

11. DOI-Nat'l Park Service
"Research on Impacts and Control of Invasive
Duffy, David Botany
Collaborate to complete studies on aspects of the ecology and control of yellow jackets, ants, feral pigs, two-spotted leafhopper and black rats.

12. DOI-Nat'l Park Service
"Research on Strategies to Restore Rare Plant Biodiversity, Phase I"
Duffy, David Botany
Complete the stabilization or reintroduction of rare plant species targeted for management; evaluate the effectiveness of propagation and outplanting techniques and assess the effectiveness of the rare plant species stabilization and reintroduction program; and prepare a plan for restoration of the coastal strand community in the Hawaii Volcanoes NP.

13. DOI-Nat'l Park Service
"Controlling Weeds in Maui Watersheds"
Duffy, David Botany
This project will expand accelerated the control of invasive weeds that threaten to extinguish biodiversity in Maui Watersheds, using the following objectives and methodology to accelerate the control of invasive weeds that threaten to extinguish biodiversity in Maui Watersheds.
<table>
<thead>
<tr>
<th>ID</th>
<th>Agency</th>
<th>Project Title</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>DOI-Natl Park Service</td>
<td>&quot;Monitoring Protocol Development Assistance, Pacific Island Network&quot;</td>
<td>$698,605</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duffy, David Botany</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Provide technical assistance to the Pacific Island Network in preparation of</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>their long-term monitoring protocols in accordance with park management</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>needs, Inventory and Monitoring Program guidelines, and generally accepted</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>scientific peer review</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>DOI-Natl Park Service</td>
<td>&quot;Develop Recovery Strategies for Endangered Seabirds at Hawai'i Volcanoes</td>
<td>$83,249</td>
</tr>
<tr>
<td></td>
<td></td>
<td>National Park&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duffy, David Botany</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Conduct field surveys to locate and map extant colonies of federally listed</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>and candidate seabirds within Hawai'i Volcanoes National Park based on known</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>information about habitat preference, potential range, and previous sightings.</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>DOI-Natl Park Service</td>
<td>&quot;Research on Strategies to Control Invasive Species in Hawaiian Ecosystems,</td>
<td>$138,357</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Phase 1&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duffy, David Botany</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Evaluate recovery of native plant communities following removal of moderate</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>to dense weed infestations from several dry and wet forest sites in Hawaii</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Volcanoes NP.</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>DOI-Natl Park Service</td>
<td>&quot;Marine Inventory, Monitoring and Research, Pacific Islands Coral Reef</td>
<td>$109,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Program, Ph 2&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duffy, David Botany</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Continue collaborative assistance with the NPS Pacific Islands Coral Reef</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Program in conducting marine inventories, monitoring and research on the</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>coasts and waters off several National Park units in the Pacific Islands.</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>DOI-Natl Park Service</td>
<td>&quot;Natural Resource Inventory, NPS Pacific Island Network Parks&quot;</td>
<td>$83,841</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duffy, David Botany</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Continue cooperation with the NPS Pacific Island Network and affiliated</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>parks to conduct natural resource inventories.</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>DOI-Natl Park Service</td>
<td>&quot;Monitoring Plan Development, Pacific Island Network&quot;</td>
<td>$288,002</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duffy, David Botany</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Continue assistance to the Pacific Island Network with preparation of their</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>long-term monitoring plan, particularly elements requiring research, analysis,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>and scientific expertise.</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>DOI-Natl Park Service</td>
<td>&quot;Experimental Restoration of Native Plant&quot;</td>
<td>$282,928</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duffy, David Botany</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Research to determine best ways to restore native plant communities</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>threatened by vertebrates, invasive plants or fire at Hawaii Volcanoes</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>National Park, Island of Hawai'i.</td>
<td></td>
</tr>
</tbody>
</table>
21. DOI-Natl Park Service  
"Critical Assessment of Habitat for Release of the Maui Parrot Bill Phase 2"  
Duffy, David  Botany  
Continue existing project to determine the best existing habitat in which to release new populations of this endangered species of Native Hawaiian bird.

22. DOI-Natl Park Service  
"Experimental Removal of Selected Invasive Plants from Big Island Parks, Phase I"  
Duffy, David  Botany  
Conduct removal experiments to eradicate incipient and localized weed infestations and achieve knockdown of moderate to dense alien weed infestations from selected plant communities in National Parks on the Big Island.

23. DOI-Natl Park Service  
"Molokai Community Based Rare Plant Conservation"  
Duffy, David  Botany  
Provide technical assistance necessary to implement recovery actions for threatened and endangered (T&E) plant species on Molokai.

24. DOI-Natl Park Service  
"Assessing the Threats of Invasive Alien Marine Algae to Pacific Islands National Parks, Phase 1"  
Smith, Celia M  Botany  
This modification expands the earlier funded project to allow for benthic surveys in the near shore around Kaulapapa, Molokai and three locations on the Kona coast of Hawaii island, all associated with the National Parks. Our work will assess the threat of alien algae to these habitats.

FROM: Agency for International Development

1. Agency for International Development  
"Soil Management CRSP"  
Uehara, Goro  Tropical Plant & Soil  
Research activities will focus on overcoming the low accessibility to existing knowledge and information on sustainable natural resource management and soil management to improve currently low adoption rate of technology by resource-poor households.

FROM: National Science Foundation

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

2. National Science Foundation  
"Near-Optimum Soft Decision Decoding of Non-Binary Linear Codes"  
Fossorier, Marc P C  Electrical Engineering  
This proposal is intended to investigate decoding methods for non-binary linear block codes.
3. National Science Foundation  
"Biodiversity Dynamics and Land-Use Changes in the Amazon: Multi-Scale Interactions Between Ecological Systems and Resource-Use Practices by Indigenous"  
Fragoso, Jose  
Botany  
This project will test the hypothesis that traditional aspects of indigenous culture buffer the impacts of integration on resource use and therefore on biodiversity by quantifying social, economic, biological and land-use variables in and around 30 Macuxi indigenous communities in the northern Brazilian Amazon and modeling the dynamics of this coupled human-natural system.

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

5. National Science Foundation  
"Measurement of DMS Air-Sea Exchange by Eddy Covariance"  
Huebert, Barry J  
Oceanography - SOEST  
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.

6. National Science Foundation  
"Collaborative Research: Inertially Unstable Currents and Internal Waves"  
Kloosterziel, Rudolf  
Oceanography - SOEST  
A study of inertial instability in the oceans, which leads to mixing and internal wave generation.

7. National Science Foundation  
"Collaborative Research: Characterization of Benthic Boundary Layer Geochemistry and Physics at the Kilo Nalu Observatory"  
Pawlak, Eugene  
Ocean & Resources  
The proposed research aims to examine the biogeochemical response of the seabed to physical forcing. We propose to develop new methods for estimates of benthic fluxes using an array of physical and chemical sensors deployed over depths of 10-40 m at the Kilo Nalu Observatory.

8. National Science Foundation  
"NEESR-SG: Development of Performance Based Tsunami Engineering, PBTE"  
Riggs, H R  
Civil and Environmental  
This research involves development and wave basin validation of modeling for tsunami inundation and scour of coastal structures. The resulting hydrodynamic and impact loads on these structures will be used to develop design guidelines for Performance Based Tsunami Engineering.
9. National Science Foundation $13,266
"Damage Survey from Hurricane Katrina"
Robertson, Ian N Civil and Environmental
A field survey will be performed of the effects of Hurricane Katrina on the Gulf Coast area from Biloxi to Bay St. Louis. The objective will be to collect and document time-sensitive data on damage caused by storm surge, wave action, scour and impact loading on engineered structures along or near the coastline.

10. National Science Foundation $118,831
"Accomplishment Based Renewal: Magmatic Processes at Mid-Ocean Ridges"
Sinton, John M Geology & Geophys -
Study volcanic rocks from mid-ocean ridge environments to determine complete pre-eruptive and eruptive history.

11. National Science Foundation $69,036
"Hotspots and Global Absolute Plate Motions"
Wessel, Paul Geology & Geophys -
We will determine plate motions relative to hotspots and examine hotspot drift.

FROM: Nat'l Aeronautics & Space Administration

1. Nat'l Aeronautics & Space Administration $15,309
"In-Situ Measurements of Aerosol Size Distributions, Black Carbon and Inferred CCN and Their Implications for Remote Sensing: Retrospective Data …"
Clarke, Antony D Oceanography - SOEST
Supplemental Funding for on going proposal. The focus is to improve the understanding of the direct effects of aerosols which includes pollution, biomass, dust to clean marine.

2. Nat'l Aeronautics & Space Administration $85,000
"Regional Planetary Image Center"
Hawke, Bernard R Haw Inst Geophys & Planet
This is a proposal for the continued support of the Pacific Regional Planetary Image Facility at University of Hawaii campus in

3. Nat'l Aeronautics & Space Administration $65,000
"Diversity of Comets: The Dust Coma"
Jewitt, David C Institute for Astronomy
This proposal will conduct a systematic observational effort to classify comets using the properties of their dust comae to theorize their origin region and degree of dynamical evolution.

4. Nat'l Aeronautics & Space Administration $212,672
"The Evolution of the Regulation of Cell-Cell Adhesion in a Basal Metazoan"
Martindale, Mark Q Pacific Biomed Rsrch Cntr
Studying the early development and gastrulation of ctenophore embryos will provide insight into the evolution and molecular regulation of cell adhesion at the base of the Metazoa.

5. Nat'l Aeronautics & Space Administration $65,000
"Measurements of Aerosol Phase Functions, Scattering Coefficients and Extinction Coefficients: Passive and Active Remote Sensing"
Porter, John N Haw Inst Geophys & Planet
Investigate aerosol optical properties.
FROM: Hawaii- Government Agencies

1. City and County of Honolulu $409,652
   "A Five-Year Biological and Sediment Monitoring Program on Specific Marine Communities Near the City’s Ocean Sewer Outfalls"
   Moncur, James E T Water Resource Research
   The fundamental objective of the program is to assess the chronic effects of ocean outfall discharges of treated sewage on the marine communities and sediments.

2. County of Hawaii $5,500
   "Demonstration and Testing of Penaeid Shrimp Production in Low Salinity Water"
   Szyper, James P Sea Grant - SOEST
   We will set up and operate a culture system for a common commercial shrimp species in low salinity water. The system will resemble commercial raceways (long tanks with directed water flow), and have biofilters to recycle water for high density

3. DLNR-Division of Aquatic Resources $3,000,000
   "Hawaii Fisheries Disaster Relief Program, Cooperative Research, Development and Outreach"
   Sibert, John R JIMAR - SOEST
   To provide economic assistance to Hawaii's fishermen and fishing communities affected by Federal closures of Federally imposed fishing restrictions. Proposals will be solicited and funding awarded for cooperative research and development projects to assist fisheries impacted by Federal restrictions.

4. Hawaii-Dept of Agriculture $49,533
   "Mass Carcass And By-Product Disposal Plans for Hawaii"
   Turn, Scott Q Haw Nat Energy Inst
   An investigation will be conducted into appropriate methods for handling and disposing of animal carcasses resulting from a mass depopulation mandated by a highly contagious disease outbreak. Evaluation of materials to be disposed, disposal plans, disposal sites, and applicable state and federal regulations will be

5. Hawaii-Dept of Defense $919,500
   "HIARNG Ecosystem Management Program"
   Duffy, David Botany
   Continue support of Hawaii Army National Guard environmental compliance work.

6. Hawaii-Dept of Land & Natural Resources $50,000
   "The CGAPS Project: Support for the HISC Program"
   Duffy, David Botany
   Coordinate Hawaii Invasive Species Council projects and facilitate outreach concerning invasive species issues.

7. Hawaii-Dept of Transportation $4,000
   "State of Hawaii Vehicle Occupant Protection Studies"
   Kim, Karl E Urban & Regional Planning
   Observational studies of seat belt use, child restraints, truck bed occupant use, truck bed, motorcycle helmet use and hand held cellular phone use, statistical analysis of data.
FROM: Hawaii- Associations, Foundations, Societies, etc.

1. American Lung Association of Hawai'i
   "Breathing Room"
   Tam, Elizabeth K School of Medicine
   Aims are to explore respiratory diseases whose pathogenesis, management, or response to treatment have not been as extensively studied in Pacific Basin and Pacific Rim populations: asthma, chronic obstructive lung disease, interstitial fibrosis, and tobacco use.

2. HCF-Geist Foundation
   "Antioxidant Function of Selenoprotein H (SelH) in Oxidative Stress Related to Parkinson's Disease"
   Chen, Jun Cell & Molecular Biology
   To investigate the antioxidant function of selenoprotein H, a new member of the selenoprotein family, in protecting neuronal cells from Parkinson's disease-related oxidative stress, such as glutamine depletion and rotenone-induced mitochondrial complex I

3. HCF-Geist Foundation
   "Establishment of In Vitro Cell Culture Model for siRNA-Based Protection from West Nile Virus"
   Lu, Yuanan Pacific Biosciences
   To construct short interfering RNA targeting West Nile virus structural genes and regulatory genes and then use retroviral vector system established in this laboratory to deliver these gene constructs into target cells (Vero). Transductant cells will be tested for target gene expression and for their anti-viral infection.

4. HCF-Geist Foundation
   "Oxidative Stress and its Implications in Pathogenesis of West Nile Virus Infection"
   Verma, Saguna Trop Med - Med Micro-
   This project is aimed to understand the overall change in the oxidative status in human brain cells post West nile virus infection and to see the effect of oxidative stress on viral mutations.

5. HCF-Leahi Trust
   "Reduced Expression of Caveolae in Lung Fibroblasts Enhances TGF-beta Responses"
   Jourdan-Le Saux, Claude Pacific Biosciences
   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.

6. HCF-Robert C. Perry Fund
   "Dietary Selenium and Asthma"
   Hoffman, Peter R. Cell & Molecular Biology
   The objective of this study is to determine if dietary selenium levels affect the development of asthma. This study will involve feeding standard, inbred mice selenium-sufficient and -deficient diets. Asthma will then be induced in both groups of mice using a well-established protocol. The severity of asthma will then be measured in each group of mice using three different read-outs.
7. HCF-Robert C. Perry Fund
"Reduced Expression of Caveolae in Lung Fibroblasts Enhances TGF-beta Responses"
Jourdan-Le Saux, Claude Pacific Biomed Resrch 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.

FROM: Hawaii- Business and Other
1. Bishop Museum $6,520
"Subcontract for Bishop Museum Education through Cultural & Historical Organizations (ECHO) Program"
Baumgartner, Erin CRDG
To facilitate the connection between science and education within the Education through Cultural & Historical Organizations magnet school project, developing education modules to support education in museum research that can be utilized within the magnet school, or alternatively as teacher institutes or student workshops.

2. Bishop Museum $18,097
"Subcontract for Bishop Museum Education through Cultural & Historical Organizations (ECHO) Program"
Baumgartner, Erin CRDG
To facilitate the connection between science and education with Education through Cultural & Historical Organizations magnet school project, developing education modules to support education in museum research that can be utilized within the magnet school, or alternatively as teacher institutes or student workshops.

3. Makai Ocean Engineering, Inc $241,542
"A Deep Ocean Anti-Neutrino Detector Near Hawaii (Univ of Hawaii as a Subconsultant)"
Learned, John G Physics & Astronomy
Design and initial component testing of a deep ocean anti-neutrino detector for the presence of both natural and man-made nuclear activity.

4. Oceanic Institute-Ctr for Trop & Subtrop $53,950
"Improved Stocks and Management Practices for Commercial Tilapia Culture in Hawaii and the Pacific Region"
Szyper, James P Sea Grant - SOEST
Testing local commercial tilapia stocks against imported stocks for growth rate and survival; genetic analysis of all stocks; development and communication of good management practices for commercial tilapia breeding and production culture.

5. Oceanic Institute-Ctr for Trop & Subtrop $35,000
"Development of Cost-Effective High Performance Feeds for Chinese Catfish, Clarias fuscus"
Tamaru, Clyde S Sea Grant - SOEST
Define most cost-effective commercial feed for growing Chinese catfish.
6. Oceanit Laboratories, Inc  
"Mobile Sensor Systems for Intelligence Collection Using Doppler Shifting of Existing Communication"  
Lubecke, Victor  
Electrical Engineering  
The use of microwave Doppler radar in sensing the presence of people through a wall will be investigated. In addition, the techniques for identifying the number of people through a wall will be explored.

FROM: Hawaii- Health Organizations

1. Kuakini Medical Cntr  
"Epidemiology of Aging and Dementia - Autopsy Research"  
Hardman, John M  
Pathology- MED  
To obtain autopsies for neuropathologic examination and post-mortem MRI brain scanning on well-characterized demented and non-demented participants in the Honolulu-Asia aging Study. Identify risk factors associated with the neuropathologic abnormalities, investigate patterns of association and interactions among the abnormalities.

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

1. NSABP Foundation Inc  
"PFED19-HAW-01/P-1 Master Purchased Services Agreement (Referenced NSABP STAR"  
Oishi, Robert H  
Surgery- MED  
Through annual phone contract, Program Coordinator Ann Kelminski continues to monitor cancer events of P-1 patients and report these events to the study sponsor.

2. Universities Space Research Association  
"A Model of Options and Costs for Reliable Autonomy"  
Port, Daniel N  
Info Technology Mgmt  
Risk is an important consideration in space flight, especially manned space flight. In this project, we will build a model of risk for autonomy software.

FROM: Mainland- Business

1. Brookhaven National Laboratory  
"US ATLAS Research Program Office for Upgrade"  
Parker, Sherwood I  
Physics & Astronomy  
Development of silicon pixel radiation sensors designed for the innermost layers of the ATLAS silicon tracking system.

2. GlaxoSmithKline  
"A Multicenter, Randomized, Double-Blind, Double-Dummy, Parallel Group, Placebo-Controlled Study to Evaluate Efficacy, Safety, and Tolerability,"  
Arakaki, Richard F  
Medicine- MED  
This study will investigate the effectiveness of an investigational drug, GW677954, in lowering blood sugar levels of participants with type 2 diabetes. The study will also compare the drug’s effectiveness compared to piaglitazone as well as placebo in treating type 2 diabetes.
3. Joint Oceanographic Inst Inc (JOI Inc) $31,870
   "Expedition #309"
   Herrero-Bervera, Emilio       Haw Inst Geophys & Planet
   Ocean cruise.

FROM: Mainland- Other

1. Jet Propulsion Lab $4,398
   "Science Investigation for IDS - Orbital Phase of the
   Cassini Mission"
   Owen, Tobias                     Institute for Astronomy
   To analyze the data taken throughout the Orbital Phase of the
   Cassini Mission.

2. Jet Propulsion Lab $39,700
   "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.

3. New Jersey Inst of Technology (Hitachi $60,000
   "MRI: 1.6 Meter Solar Telescope In Big Bear - The
   Kuhn, Jeffrey R                  Institute for Astronomy
   The Institute for Astronomy will build a Prime Focus Heat Stop for
   the 1.6 Meter Solar Telescope to be built at the Big Bear Solar
   Observatory.

4. Space Telescope Science Institute $37,261
   "A Snapshot Survey of the Most Massive Clusters of
   Galaxies"
   Ebeling, Harald                  Institute for Astronomy
   We have compiled a sample of over 120 X-ray selected, massive,
   distant clusters of galaxies. The awarded snapshot observations
   with HST will allow us to study the morphology of the central
   cluster galaxy as well as the mass distribution in the cluster core
   using strong gravitational lensing.

5. Space Telescope Science Institute $28,691
   "A Snapshot Survey of the Most Massive Clusters of
   Galaxies"
   Ebeling, Harald                  Institute for Astronomy
   We have compiled a sample of over 120 X-ray selected, massive,
   distant clusters of galaxies. The awarded snapshot observations
   with HST will allow us to study the morphology of the central
   cluster galaxy as well as the mass distribution in the cluster core
   using strong gravitational lensing.

6. Space Telescope Science Institute $12,000
   "Solving the Mystery of the Short-Hard Gamma-Ray
   Bursts"
   Price, Paul                      Institute for Astronomy
   Scientific astronomical observations on gamma-ray bursts using
   the Hubble Space Telescope.
7. Woods Hole Oceanographic Inst
   "UH Component: Exploration of Chemosynthetic Habitats of the New Zealand Region"
   Smith, Craig R  Oceanography - SOEST
   Submersible study of chemosynthetic habitats, such as hot vents, whale falls and cold seeps, on the New Zealand Margin.

FROM: U.S. Universities and Colleges

1. Univ of California- Davis
   "Western Region Plant Diagnostics Network, Sentinel Laboratory at the University of Hawaii"
   Alvarez, Anne M  Plant & Environmental
   Our laboratory will provide diagnostic assistance to Hawaii and Pacific Islands on identification of invasive species with emphasis on fungal and bacterial pathogens that are identified as high risk to the Western region. Personnel will develop tests and carry out training sessions, workshops, and demonstrations and distance diagnosis using computers for identification of pathogens.

2. Univ of California- Davis
   "Minor Use Pesticide Research-Western Regional IR-4 (Hawaii)"
   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 the work of the analytical laboratory and the quality assurance unit.

3. Univ of California- Santa Cruz
   "Partnership for Interdisciplinary Studies of the Coastal Ocean (PISCO)"
   McManus, Margaret  Oceanography - SOEST
   The object of this activity is to bring specialists together across disciplines; analyze subtidal, intertidal, and oceanographic findings collectively; and develop a more synthetic view of the processes of the processes that occur in coastal waters. Our ultimate aim is to move toward a capability for forecasting the effects of climate change on the ecology of coastal waters.

4. Univ of Maryland
   "Deep Impact"
   Meech, Karen J  Institute for Astronomy

5. Univ of Southern California
   "Genetic Susceptibility and Cancer in Multiethnic"
   Kolonel, Laurence N  Cancer Research Center
   The major goal of this project is to collect biological samples among members of a Multiethnic Cohort to test association of several genetic susceptibility markers of colon, breast and
FROM: All Non-U.S.

1. Asian Disaster Preparedness Center (ADPC) $676,191
   "Proposal for Establishing In Situ Sea Level Stations in Southeast Asia"
   Merrifield, Mark A JIMAR - SOEST
   Install and/or upgrade 5 tide gauge stations in Thailand, Myanmar, Viet Nam, and the Philippines.

2. International Seabed Authority $15,000
   "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.

3. Subaru Telescope $381,437
   "Detailed Design of the Cryogenic High Contract Optics and Infrared Camera for the Subaru HiCIAO"
   Hodapp, Klaus W Institute for Astronomy
   A detailed design of the Cryogenic High Contract Optics and Infrared Camera for the Subaru HiCIAO in accordance with the specifications will be provided.

NON-RESEARCH AWARDS

FROM: DA-Dept of Agriculture

1. DA-Cooperative State Research Service $7,716
   "A Superhero Without a Cape: Using the Cover Crop Sunn Hemp to Feed the Soil, Suppress Nematodes, and Smother Weeds"
   Hooks, Cerruti R R Coll, Trop Ag & Human Res
   Research includes using cover crops to increase soil nutrients and manage weed and nematode pests in cucumber plantings.

2. DA-Dept of Agriculture $131,321
   "A Risk Management Training Program for Socially Disadvantaged Filipino and Other Southeast Asian Growers of Hawaii"
   Swift, Sabina F Plant & Environmental
   This program for socially disadvantaged Filipinos and Southeast Asian farmers will provide information and training on crop production, integrated pest management, pesticide safety, marketing, recordkeeping and farm finances to enable them to make informed decisions and recognize existing and emerging risk management tools.

FROM: DHHS-Dept of Health & Human Services

1. DHHS-Dept of Health & Human Services $24,553
   "HIV Prevention Evaluation Services"
   Geling, Olga Public Health Sciences
   Support the development of the evaluation for the HIV prevention services for the STD/AIDS Branch.
2. DHHS-Dept of Health & Human Services  
"Hawaii Family Support 360 Project"  
Ozaki, Rebecca  
To address the issue of access to appropriate and available services within our community for transitioning students 16 years of age and older and their family members on the island of Oahu, County of Honolulu, Windward District.

3. DHHS-Dept of Health & Human Services  
"Department of Human Services, Child Welfare Services Program Improvement Plan Contract, Task"  
Robinson, Suzette  
To assist the Department of Human Services with implementation of its Program Improvement Plan for its Child Welfare Services. Assistance will be provided in the following areas; the quality assurance process and training and technical assistance in "best practices."

4. DHHS-Dept of Health & Human Services  
"Department of Human Services, Child Welfare Service, Program Improvement Plan Assessment"  
Robinson, Suzette  
Maui CC  
Maui Community College (MCC) Information Technology (IT) staff will develop a structured decision making web application that will allow Child Protective Services to better assess whether or not to remove a child from a potentially dangerous home environment.

5. National Institutes of Health  
"Pacific Regional Biocontainment Laboratory"  
Gaines, James R  
VP for Research  
In response to the global resurgence of emerging infectious diseases in the Asia-Pacific region, and to fulfill the needs to improve the physical infrastructure for bioterrorism preparedness and for emerging infectious diseases research, this application proposes to build the Pacific Regional Biocontainment Laboratory (PacRBL), a 70,000-gross square foot, stand-alone containment facility.

6. National Institutes of Health  
"Master in Clinical Research"  
Harrigan, Rosanne  
School of Medicine  
Support for training in Clinical Research

7. National Institutes of Health  
"Mobile Access Resource Project (MARP)"  
Jacobs, Joshua L.  
School of Medicine  
The MARP aims to dramatically improve electronic communication with and for medical students at the John A Burns School of Medicine at the University of Hawaii a community-based learning medical school.

8. PHS-Centers for Disease Control (CDC)  
"University of Hawaii Asia-Pacific School of Public Health Planning to Develop Public Health Education and Research in Hawaii and the Pacific"  
Ostrander, Gary K.  
Chancellor - UH Manoa
9. PHS-Health Resources and Services Admin

Sakaguchi, Ann M Anthropology
Continuing education/training partnership of ten organizations in Hawaii, California and USAPI that includes face to face courses (Hawaii and USAP), distance learning networks (Hawaii, California, and USAPI) and multidisciplinary live training scenarios (Hawaii only).

10. PHS-Health Resources and Services Admin
"Hawaii/Pacific Basin Area Health Education Center (H/PB AHEC)"

Withy, Kelley Dean's Office- MED
To improve the health of the underserved through collaborative training initiatives across the Pacific, including nine medical specialties. A region-wide, integrated recruitment to health careers program will be individualized for each Area Health Education Center area, and will feature tiered (or near-peer) mentoring and ongoing program evaluations.

11. PHS-Health Resources and Services Admin
"Hawaii Health Education Training Center"

Withy, Kelley School of Medicine
Provide recruitment and training of 90 community health workers and 12 physician assistants in rural and underserved areas of the region, as well as establish community professional associations to maintain efforts in future and provide continuing education.

12. PHS-Health Resources and Services Admin
"Pacific Bioterrorism Curriculum Development Project"

Yamada, Seiji Trop Med - Med Micro-
The Pacific Bioterrorism Curriculum Development Project will enhance PBL cases and develop didactic material on (1) the multi-disciplinary response and (2) the competencies for mental health, dentistry, pharmacy, and veterinary providers. PBL cases and didactic material will be (3) utilized in multidisciplinary educational settings and in discipline-specific curricula.

13. PHS-Substance Abuse & Mental Health
"2006 Medication Management and Assertive Community Treatment Conference"

Altschul, Deborah Social Science Rsrch Inst
Plan, implement and evaluate Hawaii's third annual Evidence Based Practices Conference.

14. PHS-Substance Abuse & Mental Health
"Improving Older Adults and Mental Health Services in Hawaii through Evidence-Based Practices"

Wylie, Alexander M Social Science Rsrch Inst
This project will assist Hawaii in improving services for older adults through enhancing the evidence-based practice of Family Psychoeducation. This culturally adapted practice will be utilized by traditional aging and mental health providers to expand specialized services for older adults.
FROM: DOC-Dept of Commerce

1. DOC-National Oceanic & Atmospheric $34,560
"Outreach on Marine Debris and Protected Species Through Publication of a Guide to Marine Mammals and Turtles of Hawaii and the Eastern North Pacific…"
   Donohue, Mary Sea Grant - SOEST
   To create a comprehensive and accurate guidebook of the marine mammals and turtles of Hawaii and the Eastern North Pacific using the best available science for the diverse marine resource users who share Hawaiian waters. Also included will be a section on marine debris, highlighting entanglement of marine mammals and turtles in derelict fishing gear to heighten awareness.

2. DOC-National Oceanic & Atmospheric $40,300
"Communications Program Merit Supplement NMEA 2005- Maui"
   Grau, E Gordon Sea Grant - SOEST
   NOAA Sea Grant merit supplement support for Sea Grant Communications activities. Also, supplemental funding to coordinate a professional development session for the Sea Grant Educators Network members, using the curriculum "Project Kahea Loko: Call of the Pond".

FROM: DOD-Dept of Defense

1. DOD-Dept of Air Force $230,000
"Panoramic Survey Telescope and Rapid Response System (Pan-STARRS)"
   Kaiser, Nick Institute for Astronomy
   Design and construction of the Panoramic Survey Telescope and Rapid Response System (Pan-STARRS).

2. DOD-Dept of Defense $60,416
"Non-Visual Spectral Image Processing: Automated Image Summary Generation"
   Lucey, Paul Haw Inst Geophys & Planet
   We propose to research an automated method for reducing hyperspectral data into human recognizable form, such as maps or contextual information. This method will use a variety of statistical methods for image exploitation to separate out important features of a hyperspectral data set. The result will be a one page keyword indexed summary of the image.

FROM: DOI-Dept of Interior

1. DOI-Fish & Wildlife $35,154
"Threat Reduction in the East Maui Watershed"
   Duffy, David Botany
   Continue to explore ways to reduce threats to native Hawaiian watersheds which provide water resources for Maui.

2. DOI-Geological Survey $127,264
"Stormwater Education on US Army Installations on Oahu"
   Cusick, John Environmental Center
   Collaborate with Department of Education to determine effective stormwater education curricula for grades 5-8. Develop lesson plans to increase awareness of drainage basin processes and stormwater-related environmental issues.
<table>
<thead>
<tr>
<th>#</th>
<th>Sponsor</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>DOI-Geological Survey</td>
<td>&quot;Biodiversity Research Program&quot;</td>
<td>$27,000</td>
</tr>
<tr>
<td></td>
<td>Sakamoto, Clyde</td>
<td>Maui CC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This cooperative agreement will allow U.S. Geological Survey to co-locate at Maui Community College and involve students, faculty, and staff to participate in biodiversity research and field work.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>DOI-Nat'l Park Service</td>
<td>&quot;Documentation of the Aiopio Fishtrap Outer Wall, Including Construction Stabilization Techniques&quot;</td>
<td>$75,000</td>
</tr>
<tr>
<td></td>
<td>Duffy, David</td>
<td>Botany</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Document and teach the techniques used in the stabilization of the historic structure Aiopio Fishtrap.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>DOI-Nat'l Park Service</td>
<td>&quot;Protect Significant Archeological and Cultural Sites from Destructive Alien Plant Species&quot;</td>
<td>$10,491</td>
</tr>
<tr>
<td></td>
<td>Duffy, David</td>
<td>Botany</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Continue cooperative effort to develop a strategy of plant control on archeological sites at Kaloko-Honokohau NHP that does not damage the site or compromise future research and that allows on-going and future archeological efforts.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>DOI-Nat'l Park Service</td>
<td>&quot;Restoration of the Main Seawall, Kaloko-Honokohau National Historic Park&quot;</td>
<td>$26,656</td>
</tr>
<tr>
<td></td>
<td>Duffy, David</td>
<td>Botany</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Continue restoration of Kaloko Fishpond and documentation of traditional Hawaiian masonry.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>DOI-Nat'l Park Service</td>
<td>&quot;Monitor Feral Ungulates in Native Hawaiian Forest and Critical Park Buffer Zone&quot;</td>
<td>$28,500</td>
</tr>
<tr>
<td></td>
<td>Duffy, David</td>
<td>Botany</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Provide technical assistance to HAVO necessary to monitor feral ungulates and native habitat recovery.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>DOI-Nat'l Park Service</td>
<td>&quot;Support for a Coordinator for the Coordinating Group on Alien Pest Species&quot;</td>
<td>$4,600</td>
</tr>
<tr>
<td></td>
<td>Duffy, David</td>
<td>Botany</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Support CGAPS coordinator who coordinates government and nongovernmental agencies in invasive species work in Hawaii.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>DOI-Off of Insular Affairs</td>
<td>&quot;DOI Private Sector-Led Economic Development for Insular Areas&quot;</td>
<td>$250,000</td>
</tr>
<tr>
<td></td>
<td>Rota, Michael T</td>
<td>Office, VP Community Coll.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>To provide professional, administrative and management support services to the US Department of the Interior to assist with private sector-led economic development in the US Insular Areas of American Samoa, Guam, The Northern Mariana Islands, US Virgin Islands, Freely Associated State of Micronesia.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
FROM: DOL-Dept of Labor

1. DOL-Dept of Labor $750,000
   "Hawaii Construction Academy"
   Howard, Bernadette Honolulu CC
   Honolulu Community College is partnership with the Department of Education, State of Hawaii and stakeholders in Hawaii's building and construction industry over a 3 year period will create a construction academy to meet the demand for 11,000 trades workers over the next 7 years due to the massive increase in

FROM: ED-Dept of Education

1. ED-Dept of Education $200,000
   "Diverse Pathways to Linguistic and Cultural Competence for Deaf and Hearing Teachers in"
   Coryell, Judith Special Education
   Prepare deaf and hearing teachers from diverse backgrounds to work with a unique group of bilingual students whose first language is American Sign Language and second language is English.

2. ED-Dept of Education $1,601,672
   "Learning Connections: Meeting the Needs of Hawaii's Multicultural Low-Income"
   DeBaryshe, Barbara D Center on the Family
   Early Reading First program will improve language and literacy instruction in Head Start classrooms.

3. ED-Dept of Education $392,332
   Dobry, Thaddeus P College of Engineering
   Build Native Hawaiian Science & Engineering Mentoring Program through community outreach, recruitment, and retention strategies.

4. ED-Dept of Education $524,633
   "Ho'opa'a Technology, Language, and Basic Educational Success for Hawaiian Children and Youth with Disabilities - 84.362A"
   Dowrick, Peter W Center on Disability Studies
   Hawaiian children and youth with disabilities need basic academics and pride in their culture to succeed. To bridge the existing divide, our project seeks to boost basic education, technology skills, and knowledge of Hawaiian vocabulary through evidence based methods. Three schools and three community programs will collaborate in this 3-year effort.

5. ED-Dept of Education $173,190
   "Project Kahuewai Ola: Supporting Native Hawaiian Scholars in the Math and Sciences at UHM - 84.362A"
   Gomes, Lenore K Office of Student Affairs
   Kahuewai Ola will increase the representation, retention, and graduation rates among Hawaiian students in math and science disciplines at UHM. Activities include outreach, scholarship support, peer mentoring, and faculty development.
6. ED-Dept of Education $439,841
"Native Hawaiian Education Program - Ka 'Upena O Ke A'o - 84.362A"
Hemphill, Norman Jean  Center on Disability Studies
Project will provide culturally advanced & innovative curriculum in the areas of science and math to Native Hawaiian Students in Elementary and High Schools.

7. ED-Dept of Education $188,386
"Hui Malama o ke Kai - Native Hawaiian After School Health & Wellness Program - 84.362A"
Hirose-Wong, Shannon  School of Medicine
Increase the capacity of Hui Malama o ke Kai to formalize: 1) academic tutoring sessions; and 2) culturally appropriate health & wellness curriculum through an after school program for 5th and 6th "at-risk" youth and their families in Waimanalo Hawaii

8. ED-Dept of Education $279,447
"Hui Malama o ke Kai"
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.

9. ED-Dept of Education $1,081,586
"Kako'o Piha: The Pihana Na Mamo Project to Support At-Risk Native Hawaiian Youth - 84.362A"
Lai, Morris K  CRDG
Kako'o Piha: The Pihana Na Mamo Project to Support At-Risk Native Hawaiian Youth, addresses the needs of Hawaiian students who are at risk, including those identified with a disability. The project will use a comprehensive mentoring and academic support model to ensure promotion and successful transition into post-high options.

10. ED-Dept of Education $938,378
"Na Lama Heluhelu: The Pihana Na Mamo Early Reading Initiative - 84.362A"
Lai, Morris K  CRDG
Na Lama Heluhelu: The Pihana Na Mamo Early Reading Initiative is designed to address the beginning reading needs of Native Hawaiian students in kindergarten through third grade. The project is a collaborative effort between the University of Hawaii and the Hawaii Department of Education.

11. ED-Dept of Education $417,376
"Native Hawaiian Education Program - Ka Hana 'Imi Na'auao - 84.362A"
Stodden, Robert A  Center on Disability Studies
Project will provide culturally advanced & innovative curriculum in the areas of science and math to Native Hawaiian Students in Elementary and High Schools.
12. ED-Dept of Education  
"Project to Ensure Postsecondary Education Students Receive a Quality Education-84.333A"  
Stodden, Robert A  
Center on Disability Studies  
Project will provide technical assistance and professional development for faculty and administrators of IHEs in order to provide them with the skills and supports that they need to teach students with disabilities.

FROM: Environmental Protection Agency

1. Environmental Protection Agency  
"Effects of Estrogenic Environmental Endocrine Disruptors on Growth in the Tilapia - Fellow L. Berg"  
Grau, E Gordon  
Haw Inst Marine  
To determine how estrogenic environmental contaminants affect fish growth, using the tilapia as a model.

FROM: National Science Foundation

1. National Science Foundation  
"The GK-12 Program in Hawaii: Using the Native Biota for Science Education"  
Kaneshiro, Kenneth Y  
Pacific Biomed Rsrch Cntr  
Request for increase in Graduate Fellow Stipend from $21,500 to $30,000/year for 9 Fellows.

2. National Science Foundation  
"Minority Postdoctoral Research Fellowship-Institutional Allowance (W. Browne)"  
Martindale, Mark Q  
Pacific Biomed Rsrch Cntr  
Investigating genes involved in brain development in a marine crustacean.

FROM: Nat'l Aeronautics & Space Administration

1. Nat'l Aeronautics & Space Administration  
"Geochemical Studies of Aqueous Alteration on Mars: Kinetics and Products - GSRP - J. Stopar"  
Taylor, J G  
Haw Inst Geophys & Planet  
The study is aimed at understanding the effects of water on rock mineralogy and at determining the duration of aqueous events on Mars.

FROM: Hawaii- Government Agencies

1. County of Maui  
"Maui County Aquaculture Extension Program 2005-2006"  
Howerton, Robert D  
Sea Grant - SOEST  
The Maui County Aquaculture Extension program is an integral part of a state-wide aquaculture extension network that is made up of three aquaculture specialists employed by Sea Grant Extension Service. Maui County Aquaculture Extension Program serves as a bridge between research involved in developing and transferring technologies to Hawaii's aquaculture producers.
2. County of Maui $50,000
"County of Maui-MCC Cooperative Education Program
(Providing Relevant Field Experience Combined with
Formal Education Enabling Students to Acquire…"
Sakamoto, Clyde Maui CC
MCC Students will intern in various County of Maui departments
and select not-for-profits through the Co-op Education Program
and will earn academic credits and stipends.

3. Hawaii-Dept of Education $200,000
"Office of School Redesign"
Hitz, Randy Dean's Office- Ed
To implement an Office of School Redesign & to provide technical
support to secondary schools as they develop small schools and
learning communities. Emphasis is on identifying and providing
training related to essential components of successful small
schools and creating models of such schools.

4. Hawaii-Dept of Hawaiian Home Lands $236,690
"Hawaiian Home Lands Agricultural Education
Keyser, Harold HITAHR - Maui - CTAHR
To do informal educational programs for the Hawaiian
homesteaders.

5. Hawaii-Dept of Health $49,813
"Memorandum of Agreement Between The State of
Hawaii Department of Health and the University of
Hawaii: QuantiFERON Diagnostic Assay"
Chang, Sandra P Trop Med - Med Micro-
Conduct QuantiFERON assays on 1040 patient samples over a
one year period for the TB Branch of the Hawaii Department of Health

6. Hawaii-Dept of Human Services $502,827
"Title IV-E Training Academy"
Godinet, Meripa School of Social Work
To train public child welfare workers and administrators to meet
key competency areas in Child and Family social work practice. In
addition, the project will also provide evaluation and assessment on
trainings provided by the Title IV-E training academy.

7. Hawaii-Dept of Human Services $341,466
"Child Welfare Training"
Godinet, Meripa School of Social Work
To evaluate and research child welfare issues and practice with a
focus on cultural competence. To provide social work program
with an emphasis on child and family practice to neighbor islanders
through distance education.

8. Hawaii-Dept of Human Services $92,478
"Training Required to Implement Hawaii’s Child
Welfare Program Improvement Plan, Task Order #Law
Tochiki, Laurie School of Law
To provide training services for projects within the Family Court of
the First Circuit in furtherance of the Program Improvement Plan of
the State of Hawaii to improve outcomes of cases involving
children within the child welfare system.
9. Hawaii-Dept of Land & Natural Resources  
"Molokai Homesteader Small Tree Farms Training Program"
Arce, Rogerene "Kali" Coop Extension Svc-
Provide training and technical assistance to Molokai Hawaiian Homesteaders to increase their knowledge in growing trees for economic gain, and their capability to implement their tree farms.

10. Hawaii-Dept of Land & Natural Resources  
"Living Reef Intern"
Maynard, Sherwood D Marine Option Pgm -
Intern will be hired to assist the Living Reef Program at DLNR with data and outreach.

11. Hawaii-State Foundation on Culture & the  
"SCEP - Presenting & Touring Outreach"
Slaughter, Timothy R Outreach College
Developing, presenting, and touring artistic and cultural programs for community groups throughout the state.

12. Maui-Off of Economic Development  
"UH-CTAHR Extension and Research Projects in Maui County"
Keyser, Harold HITAHR - Maui - CTAHR
The College of Tropical Agriculture and Human Resources (CTAHR) supports activities in Maui County in the area of agriculture, youth development and family services. With support from Maui County, we propose to enhance our activities benefiting citizens in areas including agriculture and the environment, food safety, youth, family and intergenerational programs.

13. Maui-Off of Economic Development  
"Proposal to Furnish Employment and Training Services for Maui County Youth Under the Workforce Investment Act of 1998."
Tagomori, Alvin R Maui CC
To provide comprehensive counseling, training, and supportive services to low-income, at-risk and otherwise disadvantaged youth ages 14-21 years. Services are designed to assist youth achieve educational and/or employment/career goals.

14. Myron B. Thompson Academy  
"High School Climate Change and Water Resource Sustainability Case Study"
Grau, E Gordon Sea Grant - SOEST
Conversion of a collegiate level climate and water resource sustainability case study to a high school level case study specifically modified to deliver via the World Wide Web.

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

1. Maui Association for Family and Community  
"Intergenerational Programs"
Keala, Davelyne HITAHR - Maui - CTAHR
Intergenerational programs bring together different generations in mutually beneficial activities. Young and old share their talents, resources and support each other in relationships that benefit both the individuals and the community. Programs include a county-wide initiative (islands of Maui, Molokai and Lanai) to support youth families and older adults.
FROM: Hawaii- Business and Other

1. Natural Energy Lab of Hawaii (NELH) $5,620
   "Developing and Executing Outreach Activities in the West Hawaii Region"
   Peck, Sara       Sea Grant - SOEST
   Promote community-based awareness and management of marine and coastal resources in West Hawaii.

2. Turning Point for Families, Inc. $30,000
   "Ke Ala Lokahi: Demonstration Project for the Early Intervention and Prevention of Sexual Violence and Intimate Partner Violence among Racial and…"
   Kanuha, Valli    School of Social Work
   Design, implement, and evaluate a domestic violence intervention with Native Hawaiian male batterers and battered women using Native Hawaiian cultural values, beliefs and practices in a comprehensive domestic violence agency in Hilo, Hawaii.

FROM: Hawaii- Health Organizations

1. Pacific Health Research Institute $58,748
   "Deliver Special Medical Care in the Marshall Islands for PL 99-239 Mandated Rongelap and Utrik
   Omori(Minami), Jill S Fam Prac & Comm Hlth-
   To provide time and effort in assisting, as needed, to prepare reports, supervision of Family Practice Residents and provide medical care.

2. Queen's Medical Center $1,205,272
   "Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement - FY 2006 (Adult
   Hishinuma, Earl Psychiatry- MED
   Salary, fringe benefit & malpractice insurance reimbursement agreement to provide physician and physician-related services for FY 2006.

3. Queen's Medical Center $206,916
   "Salary & Fringe Benefit Reimbursement Agreement - FY 2006 (MRI)"
   Schatz, Irwin J Medicine- MED
   Salary & fringe benefit reimbursement agreement to provide physician and physician-related services for FY 2006.

4. Univ Health Group $51,768
   "Quentin N. Brudick Rural Health Interdisciplinary Program"
   Shoultz, Janice E School of Nursing
   To direct and coordinate the Quentin N. Burdick Rural Health Interdisciplinary Program.

FROM: Mainland- Business

1. Freeman Foundation $196,000
   "Asian Medical Exchange and Outreach Program"
   Greene, Gordon M School of Medicine
   Fostering development and innovation in medical schools in East Asia through exchange of faculty and students with training in medicine and educational methods.
2. Gilead Sciences, Inc
"International HIV/AIDS Training Center in Bangkok, Thailand"
Shikuma, Cecilia M Medicine- MED
Develop a mechanism for physicians and laboratory managers to obtain intensive training in HIV management/care and in laboratory techniques. In addition to carefully constructed didactic lectures, we propose that hands-on training in both patient management and laboratory diagnostics occur under the supervision of competent physicians and laboratory personnel.

3. Praxis International
"Training and Policy Development for Safe Havens Safe Visitation and Exchange Initiative"
Kanuha, Valli School of Social Work
Provide training, policy development, technical assistance to Safe Havens visitation and exchange centers across U.S. in cooperation with Federal government and national technical assistance

FROM: Mainland- Health Organizations
1. American Heart Association
"The Roles of Wnt Signaling in Morphogenesis and Specification - Postdoc C. Byrum"
Wikramanayake, Athula Zoology
To determine roles of the Wnt pathways in morphogenesis and cell specifications during gastrulation in the sea urchin.

FROM: Mainland- Other
1. Space Telescope Science Institute
"Hubble Postdoctoral Fellowship - Lisa J. Kewley: Metallicity and Star Formation in Galaxies 0 < z < 3 (Year Two)"
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.

FROM: U.S. Universities and Colleges
1. Univ of California
"HIV Care Services Training & Educational Services"
Goshima, Cyril Psychiatry- MED
Provide HIV/AIDS Care Services Training and Education Services to health care providers in Hawaii and South Pacific.

2. Univ of Wyoming
"SARE Professional Development Program for Hawaii"
Bowen, Richard L Natural Resources &
Provide on-going training opportunities for UH Cooperative Extension and USDA NRCS staff in sustainable agriculture topics. Priorities for 2005-2006 include: alternative marketing approaches, soil building and crop rotations, organic agriculture, ecologically based weed management. Funding to attend required SARE regional and national meetings is requested.
Funds Received from UH Foundation

RESEARCH AWARDS

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

1. Univ of Hawaii Foundation $7,500
   "Translation of Shukumei: Yodogo Bomeishatachi no Himitsu Kosaku by Takazawa Koji"
   Steinhoff, Patricia G Sociology
   Complete English translation of book and prepare for publication submission to UH Press.

NON-RESEARCH AWARDS

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

1. Univ of Hawaii Foundation $615,919
   "Reynolds Comprehensive Programs to Strengthen Physicians' Training in Geriatrics"
   Blanchette, Patricia Genetics- MED
   Reynolds comprehensive programs to strengthen physicians' training in geriatrics.

2. Univ of Hawaii Foundation $104,250
   "Geriatrics S&F Account-Geriatric Education Account"
   Blanchette, Patricia Geriatrics-MED
   Salary & Fringe account for Faculty Members of the Dept of Geriatric Medicine. Charged to UHF account 120-9190-4.

3. Univ of Hawaii Foundation $280
   "Research in Non-Dualistic Philosophy"
   Chakrabarti, Arindam Philosophy
   Hire of a graduate assistant.

4. Univ of Hawaii Foundation $15,000
   "Expanding the Student Experience - T.H. Kim"
   Hayes, Charles F College of Natural Sciences
   To contribute towards and expand the academic endeavors of the student. Provide a one year scholarship to allow the student to expand his/her own learning experience as well as benefit other students by serving as a teaching assistant.

5. 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.

6. Univ of Hawaii Foundation $53,683
   "Lyon Arboretum Groundskeeping and Education Program"
   Morden, Clifford W Lyon Arboretum
   To upkeep and maintain the grounds of the Lyon Arboretum and Education programs.
7. Univ of Hawaii Foundation  
"Expanding the Student Experience-College of LLL - A. Tsuha"  
O'Mealy, Joseph  
College of Lang, Ling, & Lit  
To hire the first graduate assistant in the new Hawaiian MA program. Recipient will teach introductory Hawaiian language courses while pursuing a Master's degree in Hawaiian language.

8. Univ of Hawaii Foundation  
"K.J. Luke Chair of International Banking and Finance"  
Roley, V. Vance  
College of Business  
Salary support for the K.J. Luke Chair of Int'l Banking and Finance.

9. Univ of Hawaii Foundation  
"Community Support"  
Sohn, Ho-Min  
Korean Studies- SHAPS  
Handles independently logistical support for the center's community activities, including but not limited to: documentation in Korean and English; home page setup; traditional office work including phone calls, email correspondence, and filing records; oral and written communication with staffs and faculties both in

10. Univ of Hawaii Foundation  
"Linguistic Profiles"  
Sohn, Ho-Min  
Korean Studies- SHAPS  
This project will pay the students that will collect performance data from the UHM Korean Flagship students. The students will also analyze the data in terms of language skills.

11. Univ of Hawaii Foundation  
"Sen Chair 2005-2006"  
Ziegler, Herbert  
History  
To support the salary and fringe benefits for the Soshitsu Sen XV Distinguished Professor of Traditional Japanese Cultural History.
# SUMMARY

## EXTRAMURAL RESEARCH AWARDS, SEPTEMBER, 2005

### DISTRIBUTION BY SPONSORS

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>19</td>
<td>$2,109,986</td>
<td>4.92</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>17</td>
<td>$10,996,791</td>
<td>25.63</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>28</td>
<td>$7,990,394</td>
<td>18.62</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>11</td>
<td>$1,926,507</td>
<td>4.49</td>
</tr>
<tr>
<td>DOE-Dept of Energy</td>
<td>2</td>
<td>$1,031,000</td>
<td>2.40</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>24</td>
<td>$2,988,596</td>
<td>6.97</td>
</tr>
<tr>
<td>Agency for International Development</td>
<td>1</td>
<td>$2,800,000</td>
<td>6.53</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>11</td>
<td>$4,459,411</td>
<td>10.39</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>5</td>
<td>$442,981</td>
<td>1.03</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>7</td>
<td>$4,438,185</td>
<td>10.34</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>8</td>
<td>$1,258,425</td>
<td>2.93</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>6</td>
<td>$378,409</td>
<td>0.88</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>1</td>
<td>$8,047</td>
<td>0.02</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>2</td>
<td>$22,200</td>
<td>0.05</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>3</td>
<td>$159,610</td>
<td>0.37</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>7</td>
<td>$264,088</td>
<td>0.62</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>5</td>
<td>$559,365</td>
<td>1.30</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>3</td>
<td>$1,072,628</td>
<td>2.50</td>
</tr>
<tr>
<td></td>
<td>160</td>
<td>$42,906,623</td>
<td>100.00</td>
</tr>
</tbody>
</table>
### SUMMARY

**EXTRAMURAL NON-RESEARCH AWARDS, SEPTEMBER, 2005**

#### DISTRIBUTION BY SPONSORS

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>2</td>
<td>$139,037</td>
<td>0.31</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>14</td>
<td>$30,441,204</td>
<td>68.84</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>2</td>
<td>$74,860</td>
<td>0.17</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>2</td>
<td>$290,416</td>
<td>0.66</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>9</td>
<td>$584,665</td>
<td>1.32</td>
</tr>
<tr>
<td>DOL-Dept of Labor</td>
<td>1</td>
<td>$750,000</td>
<td>1.70</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>12</td>
<td>$6,536,841</td>
<td>14.78</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>1</td>
<td>$28,342</td>
<td>0.06</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>2</td>
<td>$81,500</td>
<td>0.18</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>1</td>
<td>$24,000</td>
<td>0.05</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>14</td>
<td>$1,904,652</td>
<td>4.31</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>12</td>
<td>$963,321</td>
<td>2.18</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>2</td>
<td>$35,620</td>
<td>0.08</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>4</td>
<td>$1,522,704</td>
<td>3.44</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>3</td>
<td>$344,871</td>
<td>0.78</td>
</tr>
<tr>
<td>Mainland- Health Organizations</td>
<td>1</td>
<td>$46,648</td>
<td>0.11</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>1</td>
<td>$97,621</td>
<td>0.22</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>2</td>
<td>$356,416</td>
<td>0.81</td>
</tr>
<tr>
<td></td>
<td>85</td>
<td>$44,222,718</td>
<td>100.00</td>
</tr>
</tbody>
</table>
### YEAR-TO-DATE SUMMARY
EXTRAMURAL RESEARCH AWARDS, JULY, 2005-SEPTEMBER, 2005
DISTRIBUTION BY SPONSORS

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>62</td>
<td>$6,489,074</td>
<td>7.64</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>38</td>
<td>$27,582,236</td>
<td>32.46</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>34</td>
<td>$12,041,156</td>
<td>14.17</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>26</td>
<td>$6,733,841</td>
<td>7.93</td>
</tr>
<tr>
<td>DOE-Dept of Energy</td>
<td>5</td>
<td>$1,244,494</td>
<td>1.46</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>28</td>
<td>$3,335,109</td>
<td>3.93</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>2</td>
<td>$357,502</td>
<td>0.42</td>
</tr>
<tr>
<td>Agency for International Development</td>
<td>1</td>
<td>$2,800,000</td>
<td>3.30</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>37</td>
<td>$8,482,456</td>
<td>9.98</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>26</td>
<td>$2,754,084</td>
<td>3.24</td>
</tr>
<tr>
<td>Nat'l Endowment for the Humanities</td>
<td>1</td>
<td>$100,000</td>
<td>0.12</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>26</td>
<td>$5,921,171</td>
<td>6.97</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>19</td>
<td>$1,674,817</td>
<td>1.97</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>13</td>
<td>$757,742</td>
<td>0.89</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>3</td>
<td>$181,236</td>
<td>0.21</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>7</td>
<td>$660,639</td>
<td>0.78</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>10</td>
<td>$444,797</td>
<td>0.52</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>14</td>
<td>$719,284</td>
<td>0.85</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>14</td>
<td>$1,545,813</td>
<td>1.82</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>5</td>
<td>$1,137,753</td>
<td>1.34</td>
</tr>
</tbody>
</table>

Total: 371 $84,963,204 100.00
YEAR-TO-DATE SUMMARY
EXTRAMURAL NON-RESEARCH AWARDS, JULY, 2005-SEPTEMBER, 2005
DISTRIBUTION BY SPONSORS

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>6</td>
<td>$746,580</td>
<td>0.91</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>35</td>
<td>$35,747,223</td>
<td>43.76</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>5</td>
<td>$162,974</td>
<td>0.20</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>4</td>
<td>$340,416</td>
<td>0.42</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>10</td>
<td>$734,665</td>
<td>0.90</td>
</tr>
<tr>
<td>DOL-Dept of Labor</td>
<td>3</td>
<td>$4,030,530</td>
<td>4.93</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>31</td>
<td>$14,847,158</td>
<td>18.18</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>1</td>
<td>$28,342</td>
<td>0.03</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>16</td>
<td>$7,803,516</td>
<td>9.55</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>3</td>
<td>$58,000</td>
<td>0.07</td>
</tr>
<tr>
<td>Independent Federal Agencies- Minor</td>
<td>2</td>
<td>$171,703</td>
<td>0.21</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>32</td>
<td>$3,199,644</td>
<td>3.92</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>26</td>
<td>$1,883,362</td>
<td>2.31</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>10</td>
<td>$623,857</td>
<td>0.76</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>27</td>
<td>$8,142,951</td>
<td>9.97</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>4</td>
<td>$169,672</td>
<td>0.21</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>6</td>
<td>$581,097</td>
<td>0.71</td>
</tr>
<tr>
<td>Mainland- Health Organizations</td>
<td>1</td>
<td>$46,648</td>
<td>0.06</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>3</td>
<td>$115,121</td>
<td>0.14</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>7</td>
<td>$1,237,409</td>
<td>1.51</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>2</td>
<td>$1,010,854</td>
<td>1.24</td>
</tr>
<tr>
<td></td>
<td><strong>234</strong></td>
<td><strong>$81,681,722</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
Awards Received by University of Hawai‘i at Hilo

RESEARCH AWARDS

FROM: DOA-Dept of Agriculture

1. DOA-Dept of Agriculture $14,000
   "Support of Agriculture Research - FY 06"
   Keith Miser UHH-Agriculture

2. DOA-Dept of Agriculture $332
   "Support of Agriculture Research - FY 05"
   Keith Miser UHH-Agriculture

3. DOA-Dept of Agriculture $60,000
   "Develop GMO Resistant to Viruses"
   Michael Shintaku UHH-Plant Pathology

FROM: DHHS-Dept of Health & Human Services

1. DHHS-Dept of Health & Human Services $760,497
   "UH Hilo Minority Biomedical Research Support (MBRS)"
   Daniel Brown UHH-Natural Science

FROM: NSF-Nat’l Science Foundation

1. NSF-Nat’l Science Foundation $30,531
   "RUI-Reconstructing Galaxy Histories"
   Michael West UHH-Astronomy

FROM: DOI-Dept of Interior

1. DOI-Dept of Interior $22,535
   "Endangered Plant Species in Hawaii Volcano National Park"
   Sharon Ziegler Chong UHH-Aquaculture

2. DOI-Dept of Interior $44,820
   "UHH - Analysis Lab/Field Data Avian"
   Sharon Ziegler Chong UHH-Aquaculture

3. DOI-Dept of Interior $82,337
   "Unit Support/General Activities ‘04"
   Sharon Ziegler Chong UHH-Aquaculture
4. DOI-Dept of Interior  
“UHH-Seabird Monitoring Plan”  
Sharon Ziegler-Chong  
UHH-Aquaculture  
$31,293

5. DOI-Dept of Interior  
“UHH-Hawaiian Vegetation Mapping Project”  
Sharon Ziegler-Chong  
UHH-Aquaculture  
$50,000

6. DOI-Dept of Interior  
“UHH-Pacific Marine Research Need Assessment”  
Sharon Ziegler-Chong  
UHH-Aquaculture  
$24,000

7. DOI-Dept of Interior  
“UHH-Reducing Feral Cat Threats”  
Sharon Ziegler-Chong  
UHH-Aquaculture  
$46,170

8. DOI-Dept of Interior  
“UHH-PBIN: Operations & PIERC (Hear) Invasive Species Theme”  
Sharon Ziegler-Chong  
UHH-Aquaculture  
$224,000

9. DOI-Dept of Interior  
“UHH-Biological Control Studies”  
Sharon Ziegler-Chong  
UHH-Aquaculture  
$30,000

10. DOI-Dept of Interior  
“UHH-Suppression Alien Yellow Jackets”  
Sharon Ziegler-Chong  
UHH-Aquaculture  
$80,000

11. DOI-Dept of Interior  
“Protocol Development for Monitoring Marine Fish”  
Jim Beets  
UHH-Natural Science  
$55,000

NON-RESEARCH AWARDS

FROM: DOC-Dept of Commerce

1. DOC-Dept of Commerce  
“UHH Hawaiian Internship Program (HIP) Support”  
Sharon Ziegler-Chong  
UHH-Aquaculture  
$7,000

FROM: ED-Dept of Education

1. ED-Dept of Education  
“Clinical Pharmacy Training Program”  
Jerry Johnson  
UHH-Social Sciences  
$694,400
<table>
<thead>
<tr>
<th>#</th>
<th>Agency/Department</th>
<th>Description</th>
<th>Amount</th>
<th>Contact Person</th>
<th>Department/Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>ED-Dept of Education</td>
<td>“Education of Native Hawaiians: Language Literacy FY 06”</td>
<td>$778,773</td>
<td>Keiki Kawaiaea</td>
<td>UHH-Hawaiian Studies</td>
</tr>
<tr>
<td>3</td>
<td>ED-Dept of Education</td>
<td>“Education of Native Hawaiians: Pathways FY 06”</td>
<td>$804,391</td>
<td>David Sing</td>
<td>UHH-Director’s Office</td>
</tr>
<tr>
<td>4</td>
<td>ED-Dept of Education</td>
<td>“Native Hawaiian Serving Institutions (NHSI) Renovations”</td>
<td>$749,485</td>
<td>LoLi Chih</td>
<td>UHH-Distance Education and Instructional Training</td>
</tr>
<tr>
<td>5</td>
<td>ED-Dept of Education</td>
<td>“Student Support Services FY 06”</td>
<td>$24,573</td>
<td>Melissa Johnson</td>
<td>UHH-Counseling and Student Development Center</td>
</tr>
<tr>
<td>6</td>
<td>ED-Dept of Education</td>
<td>“Native Hawaiian Serving Institution FY 06”</td>
<td>$500,000</td>
<td>Bill Chen</td>
<td>UHH-Distance Education and Instructional Training</td>
</tr>
<tr>
<td>7</td>
<td>ED-Dept of Education</td>
<td>“Youth Empowerment for Success (YES)”</td>
<td>$76,025</td>
<td>Bill Chen</td>
<td>UHH-Distance Education and Instructional Training</td>
</tr>
<tr>
<td>8</td>
<td>ED-Dept of Education</td>
<td>“Education of Native Hawaiians: Hoomau FY 06”</td>
<td>$574,844</td>
<td>David Sing</td>
<td>UHH-Director’s Office</td>
</tr>
<tr>
<td>9</td>
<td>ED-Dept of Education</td>
<td>“English Language Acquisition Professional Development Program FY 06”</td>
<td>$397,788</td>
<td>Keiki Kawaiaea</td>
<td>UHH-Hawaiian Studies</td>
</tr>
<tr>
<td></td>
<td>FROM: NSF-Nat’l Science Foundation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>NSF-Nat’l Science Foundation</td>
<td>“Alice in Paradise: 3-D Graphics”</td>
<td>$59,262</td>
<td>Judith Gersting</td>
<td>UHH-Computer Science</td>
</tr>
</tbody>
</table>
FROM: Mainland Association, Foundation and Societies

1. The Bernard Osher Foundation
   "Lifelong Learning Institute" $100,000
   Margaret Haig
   UHH-Continuing Education
## UNIVERSITY OF HAWAI'I AT HILO SUMMARY

### EXTRAMURAL RESEARCH AWARDS, SEPTEMBER 2005 - SEPTEMBER 2005

#### DISTRIBUTION BY SPONSORS

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOA-Dept of Agriculture</td>
<td>3</td>
<td>$74,332</td>
<td>5.00</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>1</td>
<td>$760,497</td>
<td>49.00</td>
</tr>
<tr>
<td>NSF-Nat'l Science Foundation</td>
<td>1</td>
<td>$30,531</td>
<td>2.00</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>11</td>
<td>$690,155</td>
<td>44.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
<td><strong>$1,555,515</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
UNIVERSITY OF HAWAI'I AT HILO SUMMARY

EXTRAMURAL NON-RESEARCH AWARDS, SEPTEMBER 2005 - SEPTEMBER 2005

DISTRIBUTION BY SPONSORS

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOC-Dept of Commerce</td>
<td>1</td>
<td>$7,000</td>
<td>0.00</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>9</td>
<td>$4,600,279</td>
<td>97.00</td>
</tr>
<tr>
<td>NSF-Nat'l Science Foundation</td>
<td>1</td>
<td>$59,262</td>
<td>1.00</td>
</tr>
<tr>
<td>Mainland Association, Foundation &amp; Societies</td>
<td>1</td>
<td>$100,000</td>
<td>2.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>12</strong></td>
<td><strong>$4,766,541</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
UNIVERSITY OF HAWAI'I AT HILO YEAR-TO-DATE SUMMARY

EXTRAMURAL RESEARCH AWARDS, JULY 2005 - SEPTEMBER 2005

DISTRIBUTION BY SPONSORS

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOA-Dept of Agriculture</td>
<td>3</td>
<td>$74,332</td>
<td>4.00</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>1</td>
<td>$760,497</td>
<td>36.00</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>15</td>
<td>$893,377</td>
<td>43.00</td>
</tr>
<tr>
<td>NSF-Nat'l Science Foundation</td>
<td>2</td>
<td>$330,531</td>
<td>16.00</td>
</tr>
<tr>
<td>Mainland Other</td>
<td>1</td>
<td>$20,009</td>
<td>1.00</td>
</tr>
<tr>
<td>Hawai'i Government Agencies</td>
<td>1</td>
<td>$4,950</td>
<td>0.00</td>
</tr>
<tr>
<td>Total</td>
<td>23</td>
<td>$2,083,696</td>
<td>100.00</td>
</tr>
</tbody>
</table>
### UNIVERSITY OF HAWAI’I AT HILO YEAR-TO-DATE SUMMARY

#### EXTRAMURAL NON-RESEARCH AWARDS, JULY 2005 - SEPTEMBER 2005

**DISTRIBUTION BY SPONSORS**

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOC-Dept of Commerce</td>
<td>2</td>
<td>$14,000</td>
<td>0.00</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>11</td>
<td>$5,306,248</td>
<td>51.00</td>
</tr>
<tr>
<td>NASA-Nat'l Aeronautics and Space Administration</td>
<td>1</td>
<td>$3,968,000</td>
<td>38.00</td>
</tr>
<tr>
<td>NSF-Nat'l Science Foundation</td>
<td>3</td>
<td>$643,872</td>
<td>6.00</td>
</tr>
<tr>
<td>Mainland Association, Foundation &amp; Societies</td>
<td>1</td>
<td>$100,000</td>
<td>1.00</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
<td>3</td>
<td>$132,946</td>
<td>2.00</td>
</tr>
<tr>
<td>Hawai’i Government Agencies</td>
<td>1</td>
<td>$80,485</td>
<td>1.00</td>
</tr>
<tr>
<td>Hawai’i Business &amp; Other</td>
<td>2</td>
<td>$90,200</td>
<td>1.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>24</strong></td>
<td><strong>$10,335,751</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
UNIVERSITY CONTRACTS PROCESSED IN SEPTEMBER 2005 FOR APPROVAL BY THE BOARD OF REGENTS

A. PROFESSIONAL SERVICES PROCUREMENT

1. Description: A/E Design Services for Biomedical Sciences Building, Reconstruction of First Floor - Flood Damage Repairs, UHM, Project No. UHM 05-541-100

   Contractor: Architects Hawaii, Ltd., 1001 Bishop St., Ste. 300, Honolulu, HI

   Amount: $204,488.00

B. SOLE SOURCE PROCUREMENT

1. Description: Software License and Support Services for Information Technology Services

   Contractor: AppWorx Corporation, 2475 140th NE, Bellevue, WA

   Amount: $326,000.00

Recommendation: That the Board accepts with thanks the gifts and grants and ratify the actions of the administration in executing the contracts.
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

CHING, DORIS
Vice President for Student Affairs
Office of the VP for Student Affairs
Salary Adjustment
Upon Board Approval

GAINES, JAMES
Interim Vice President for Research
Office of the VP for Research
Performance Incentive Award
Upon Board Approval

JOHNSRUD, LINDA K.
Interim Vice President for Academic Planning and Policy
Office of the VP for Academic Planning and Policy
Salary Adjustment
Performance Incentive Award
Upon Board Approval

YOKOTA, JAN
Dir of Capital Improvements
Office of Capital Improvements
Salary Adjustment
Upon Board Approval

UNIVERSITY OF HAWAI'I AT MĀNOA

Executive

CUTSHAW, KATHLEEN
Acting Vice Chancellor, UHM
Office of VC for Admin, Finance & Operations
Salary Adjustment
Upon Board Approval
CUTSHAW, KATHLEEN
Interim Vice Chancellor, UHM
Office of VC for Admin, Finance & Operations
January 1, 2006 - December 31, 2006,
unless sooner relieved

HITZ, RANDY A.
Dean, UHM
College of Education
Salary Adjustment
Upon Board Approval

HUGHES, JUDITH R.
Dean, UHM
College of Arts & Humanities
Salary Adjustment
Upon Board Approval

PERKINS, FRANK
Asst VP Research & Graduate Ed
Office of VC for Research & Graduate Ed
Salary Adjustment
Upon Board Approval

PORTER, EDGAR
Interim Dean, UHM
School of Hawaiian, Asian & Pacific Studies
Salary Adjustment
Upon Board Approval

SAKAGUCHI, RODNEY
Vice Chancellor, UHM
Office of the VC for Admin, Finance & Operations
Salary Adjustment
Upon Board Approval
SAKAGUCHI, RODNEY  
Vice Chancellor, UHM  
Office of Chancellor, UHM  
January 1, 2006 - December 31, 2007

Professor or equivalent

MCKIMMY, PAUL  
Specialist, S5  
Educational Technology  
College of Education  
Promotion  
August 1, 2005

UNIVERSITY OF HAWAI’I AT HILO

Executive

CHEN, BILL  
Interim Vice Chancellor, UHH (Admin Affrs)  
& Dir of Tech & Dist Lrng  
Office of the Chancellor, UHH  
January 2, 2006 - January 1, 2007,  
unless sooner relieved

COMMUNITY COLLEGES

Executive

LEIALOHA, MICHAEL N.  
Vice Chancellor, CC (Administrative Affrs)  
Hawai‘i Community College  
December 1, 2005 - November 30, 2006

MASUTANI, CAROL A.  
Vice Chancellor, CC (Administrative Affrs)  
Kapi’olani Community College  
Salary Adjustment  
Upon Board Approval
TAGOMORI, ALVIN R.
Vice Chancellor, CC (Student Affrs)
Maui Community College
Salary Adjustment
Upon Board Approval

TAMANAHA, DAVID S.
Vice Chancellor, CC (Administrative Affrs)
Maui Community College
Salary Adjustment
Upon Board Approval

wiger, florence h.
Vice Chancellor, CC (Academic Affairs)
Maui Community College
Salary Adjustment
Upon Board Approval

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

Resignations

BIRNBAUM, DAVID
Associate Professor
Public Health Sciences
University of Hawai‘i at Mānoa
August 31, 2005

CHONG KEE, KELSEY
Instructional & Stdnt Supp
(Educational & Academic Support Sp)
Outreach College
University of Hawai‘i at Mānoa
October 14, 2005

CHUN, STACEY G.
Research Support
(Research Associate)
Plant & Environmental Protection Sciences
University of Hawai‘i at Mānoa
September 15, 2005

EDMUNDS, KATHY LYNN
Institutional Support
(Administrative Officer)
Hawai‘i Community College
July 20, 2005

GOSSELIN, GABRIELLE A.
Instructor
Student Services
Windward Community College
July 22, 2005
GREANEY, MALIA F.
Academic Support
(Educational Specialist)
Native Hawaiian Health
University of Hawai‘i at Mānoa
August 30, 2005

KAGESA, ENID Y.
Institutional Support
(Personnel Officer)
Director’s Office
Kapi‘olani Community College
July 28, 2005

KINGDON, DAVID N.
Instructor
Health Services
Kapi‘olani Community College
September 13, 2005

KOIDE, ANNE M.
Assistant Professor, CC
Student Services
Windward Community College
September 13, 2005

LEE, ROBERT E.
IT Specialist
Provost’s Office
Hawai‘i Community College
August 17, 2005

MARZLUFT, JEFFREY E.
Instructor
Library
Maui Community College
August 15, 2005
MAYNARD, NATHAN H.
Research Support
(Research Associate)
Hawai‘i Natural Energy Institute
University of Hawai‘i at Mānoa
September 16, 2005

MCINTYRE, EMILY A.
Instructional & Student Support
(Educ & Acad Supp Specialist)
Enrollment Services
Hawai‘i Community College
August 18, 2005

MCMILLEN, MICHAEL W.
Instructor
Language Arts
Honolulu Community College
September 2, 2005

MIYAMOTO, YOICHIRO
Assistant Researcher
Electrical Engineering
University of Hawai‘i at Mānoa
September 28, 2005

MORIKUNI, KELLI M.
Academic Support
(Educational Specialist)
School of Medicine/Dean’s Office
University of Hawai‘i at Mānoa
September 15, 2005

NOTE, SHELLIE LUWAYNE
Instructor & Student Support
(Student Services Specialist)
Enrollment Services
Hawai‘i Community College
August 2, 2005
POLYAKOV, VIKTOR O.
Assistant Researcher
Natural Resources & Environmental Mgmt
University of Hawai‘i at Mānoa
September 30, 2005

REISNER, WILLIAM W.
Instructor
Language Arts
Kapi‘olani Community College
July 31, 2005

RUBIN, HAYA R.
Professor
Medicine
University of Hawai‘i at Mānoa
August 31, 2005

SILAO, JENNETTE
Junior Specialist
Public Health Sciences
University of Hawai‘i at Mānoa
August 31, 2005

TREDICK, BARBARA L.
Associate Professor, CC
Nursing
Kapi‘olani Community College
May 31, 2005

VALLE, ANNETTE I.
Institutional Support
(Administrative and Fiscal Support Sp)
School of Medicine/Dean’s Office
University of Hawai‘i at Mānoa
September 29, 2005
Retirements

MATSUNAGA, FREDERICK M.
Research Support
(Research Associate)
Hawai‘i Natural Energy Institute
University of Hawai‘i at Mānoa
March 31, 2005

MCMILLEN, SOPHIA A.
Librarian III
Hamilton Library
University of Hawai‘i at Mānoa
September 30, 2005

RETIREMENTS OF CIVIL SERVICE EMPLOYEES

TOYAMA, EDWIN H.
Offset Press Operator II
Educ Media Center
Honolulu Community College
November 30, 2005

***********************
David McClain
Interim President

PERSONS WITH DISABILITIES WHO MAY NEED AN ACCOMMODATION,
PLEASE CALL THE BOARD OF REGENTS' OFFICE AT 956-8213

63