BOARD OF REGENTS’ MEETINGS

Date: November 16, 2006
Time: 11:00 a.m. (Or immediately following the meeting of the State Board for Career and Technical Education)
Place: Maui Community College
Laulima 105
310 Kaʻahumanu Avenue
Kahului, Maui, HI 96732

AGENDA

I. Call Meeting to Order

II. Approval of Minutes of the Meeting of September 6, 2006.

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

IV. Report of President

V. University of Hawaiʻi Foundation Report

VI. Agenda Items, Public Session 2/

University of Hawaiʻi Community Colleges
1. Gift and Donor Recognition: The Leis Family Class Act Restaurant, Maui Community College
2. Purchase of Kalaeloa Property from the Federal Government and Transfer to the State Government
3. Approval of Long-Range Development Plan, Maui Community College

University of Hawaiʻi at West Oʻahu
4. Approval of Revised University of Hawaiʻi at West Oʻahu Mission
5. Approval of General Education and Lower Division Curriculum, University of Hawaiʻi at West Oʻahu
6. Approval of Bachelor of Applied Science Degree, University of Hawaiʻi at West Oʻahu

University of Hawaiʻi at Hilo
7. Approval of the Doctorate of Pharmacy Program, College of Pharmacy, University of Hawaiʻi at Hilo

University of Hawaiʻi at Mānoa
8. Authorize the Negotiation of a 65-Year Lease at Waimānalo for College of Tropical Agriculture and Human Resources and Cancel Executive Order and Transfer Waialee Livestock Research Station to Department of Land and Natural Resources
9. Exemption to Board of Regents’ Policy 5-19c Relating to Procurement for Renovations to the Marine Science Building
10. Amendment to Board of Regents’ Policy to Increase Campus Center Operations Fee, University of Hawaiʻi at Mānoa

Footnotes:
1/ Guidelines: In fairness to all who wish to address the Regents, each speaker should abide by the time allotted. The Board will generally allow up to three minutes per speaker depending on the number of those wishing to testify.
2/ The Board will recess the public session at approximately 12:00 noon and reconvene at approximately 1:00 p.m. Agenda item(s) not completed by approximately 5:00 p.m. on Thursday will be taken up at 9:00 a.m. on Friday, November 17, 2006.
Board of Regents' Meetings (Continued)

University of Hawai'i System

12. Approve Supplemental Resolution Authorizing the Issuance of Revenue Bonds for University Housing Projects
13. Delegation of Authority to Determine Amount of Certain Fees
14. Delegation of Authority to Approve Personnel Actions

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

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

IX. Announcement of Next Meeting of the Board

    Date: January 11-12, 2007
    Place: University of Hawai'i at Manoa

X. Executive Session

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

XI. Adjournment
MATTERS TO BE DELIBERATED IN EXECUTIVE SESSION

I. LEGAL MATTERS
   A. U.S. China Center
   B. University of Hawai‘i at West O‘ahu Campus
   C. University of Hawai‘i System Office Location
   D. Purchase of Kalaeloa Property from Federal Government and Transfer to State Government
   E. Approval of Settlement

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

II. PERSONNEL ACTIONS RELATED TO THE FOLLOWING POSITIONS:

   A. Update on Executive Searches
   B. Delegation of Authority to Approve Personnel Actions

   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, 2006 through September 30, 2006 total $60,144,678. The University of Hawai‘i at Hilo received a total of $4,934,144 during the same period.

RESEARCH AWARDS

FROM: DA-Dept of Agriculture

1. DA-Cooperative State Research Service  $49,894
   "Improving the Quality of Kava Beverage"
   Bittenbender, Harry C Tropical Plant & Soil Science
   Kava beverages for various varieties will be prepared from root and stump will be compared to beverage prepared from root, stump, and basal portion of stems. Chemical and bioassay comparisons will be made to determine if toxin alkaloid, Pipermethystine is present in the beverages.

2. DA-Cooperative State Research Service  $72,597
   "The Invasiveness of the Noxious Weed Gorse (Ulex europaeus L) Influenced by Symbiosis in Agricultural and Natural Habitats of Hawaii"
   Borthakur, Dulal Molecular Biosciences &
   The goals of this project are to (i) identify biotic and abiotic site-properties conducive to gorse infestation, (ii) enhance risk assessment protocols, and (iii) identify management strategies that will counteract the conditions favorable to gorse invasion.

3. DA-Cooperative State Research Service  $22,810
   "Identification of Disease-Resistance QTLs in Maize using CTAHR's 125 Near-Isogenic Lines"
   Brewbaker, James L Tropical Plant & Soil Science
   Research on 130 near-isogenic lines of maize, identifying linked loci affecting disease resistance.

4. DA-Cooperative State Research Service  $85,721
   "Characterization and Cloning of Pathogen-inducible Genes and Promoters to Improve Resistance of Papaya to Fungal Disease"
   Christopher, David A Molecular Biosciences &
   The research will increase resistance of papaya to fungal disease, leading to lower production costs and fungicide use and improved fruit yield and quality.

5. DA-Cooperative State Research Service  $87,721
   "Genetic Transformation of Sugarcane Chloroplasts to Improve Expression and Containment of Genes Encoding Human Vaccines"
   Christopher, David A Molecular Biosciences &
   This research will allow the production of safe and stable human vaccines in plants to fight infant dysentery in the tropics.
6. DA-Cooperative State Research Service
"Determining the Impacts of Water Pumping and Alien Species Invasion on Stream Flow for Sustainable Water Resource Management in Makaha Valley, Hawaii"
Fares, Ali Natural Resources &
The main goal of this proposed work is to develop an integrated decision support system at the watershed continuum by combining multi-scale field experiments with a strong numerical modeling and geospatial tools to help understand different hydrological processes as a result of variation of different controlling parameters, i.e., land use, extreme weather conditions.

7. DA-Cooperative State Research Service
"Field and Numerical Evaluation of Best Management Practices to Protect Water Resources in the Hanalei Watershed"
Fares, Ali Natural Resources &
The goal of this research is to develop best management practices to protect surface and groundwater quality in the Hanalei watershed based on a combination of short-term field research and long-term performance using numerical modeling.

8. DA-Cooperative State Research Service
"CTAHR Research Capacity in Invasive Plant Species and Weed Management"
Grace, J Kenneth Plant & Environmental
Provide information on invasive plant species in Hawaii, and develop environmentally acceptable weed management practices.

9. DA-Cooperative State Research Service
"Using Cover Crops to Build an Ecologically Based Pest Management Program for Vegetable Production"
Hooks, Cerruti R R Plant & Environmental
Research and outreach project to show the benefits of using cover crops as a practice to lessen the negative impact of crop pests on marketable yields in vegetable plantings.

10. DA-Cooperative State Research Service
"Award No. 2005-34135-15964 Detection, Distribution, and Etiological Roles of Invasive Badnaviruses in Pineapple"
Hu, John Plant & Environmental
Detection assays for invasive badnaviruses in pineapple will be developed for badnaviruses present in commercially-grown, Hawaiian pineapple. The distribution of badnaviruses in Hawaiian pineapple will be determined and the etiological roles of the badnaviruses in mealy bug wilt of pineapple will be evaluated.

11. DA-Cooperative State Research Service
"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.
12. DA-Cooperative State Research Service
"Investigation of Molecular Mechanisms Regulating Skeletal Muscle Growth Using Microarray Analysis"
Kim, Yong-Soo Human Nutrition, Food & This project is designed 1) to compare global changes in gene expression between wild type and myostatin prodomain transgenic mice using microarray analysis, and 2) to compare global changes of gene expression between myostatin prodomain transgenic mice and mice treated with a beta-adrenergic agonist using microarray analysis.

13. DA-Cooperative State Research Service
"Field Performance of Bioengineered Anthurium"
Kuehnle, Adelheid R Tropical Plant & Soil Science Test disease resistant flower crop to see if resistance is durable over time, especially under stress conditions.

14. DA-Cooperative State Research Service
"Increasing Sustainability of Tropical Pastures Through Selection of Legumes Tolerant to Drought and Aluminum"
Miyasaka, Susan C Tropical Plant & Soil Science Biological nitrogen fixation via legumes is a low-input method of increasing nitrogen supply to warm season grasses. Aluminum-toxic soils and global climate change can limit nitrogen fixation. Our overall project objective is to increase the sustainability of mixed pastures through selection of genetic engineering of both drought and aluminum-tolerant legumes.

15. DA-Cooperative State Research Service
"Morinda Citrifolia (Noni): Potential Role of Nuclear Transcription Factors in Ameliorating Hyperlipidemia"
Nerurkar, Pratibha V Molecular Biosci & Biosyst This project investigates the hyperlipidemic and hypoglycemic properties of noni.

16. DA-Cooperative State Research Service
"Molecular Characterization of Disease Resistance Loci to Phytophthora in Carica Papaya"
Nishijima, Wayne T Plant & Environmental Identify Phytophthora genes that can be applied in breeding programs to accelerate the selection process.

17. DA-Cooperative State Research Service
"Resistance of Papaya Cultivars to Enterobacter cloacae: Significance to Food Quality for Value-added Products"
Nishijima, Wayne T Plant & Environmental Determine whether papaya flesh color related to resistance to Enterobacter cloacae and develop methods to minimize its occurrence in processed products.

18. DA-Cooperative State Research Service
"Coffee Genomics: Isolation and Characterization of Genes Involved in Organ Size"
Paull, Robert E Tropical Plant & Soil Science 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
19. **DA-Cooperative State Research Service**  
"Development and Mapping of Microsatellite Markers for Papaya"  
Paull, Robert E  
Tropical Plant & Soil Science  
The overall goal of the proposed project is to develop papaya as a model system for the identification, characterization, and cloning of agronomically important genes, to elucidate the genome structure and organization of a tropical tree species.

20. **DA-Cooperative State Research Service**  
"Genomic Barcoding of Phytopathogenic Bacteria Important to Hawaii Agriculture"  
Presting, Gernot  
Molecular Biosciences & Sequence select regions from 764 isolates of four phytopathogenic bacteria from the Alvarez collection.

21. **DA-Cooperative State Research Service**  
"Exploration, Genetic Characterization, and Host Range Testing of Parasitoids for Biocontrol of the Erythrina Gall Wasp, Quadrastichus erythrinae Kim"  
Rubinoff, Daniel  
Plant & Environmental  
The invasive Erythrina Gall wasp is devastating both native and ornamental trees across Hawaii and the Pacific. We propose to determine the region of origin and species identity for the wasp using DNA markers, and to develop effective, safe biological control agents from the invasive wasp's region of origin to reduce the wasp infestation.

22. **DA-Cooperative State Research Service**  
"Economical and Eco-Friendly Molecular Farming Using a Novel Paint Culture System"  
Su, Wei-Wen W  
Molecular Biosci & Biosyst  
The goal of this project is to develop an economical and environmentally-friendly production platform for accelerated, large-scale manufacturing of high-value recombinant proteins.

23. **DA-Cooperative State Research Service**  
"Growth of Tropical Crops in Response to Organic Amendments and Indigenous Arbuscular Mycorrhizae"  
Valenzuela, Hector R  
Tropical Plant & Soil Science  
The goal of this project is to evaluate the effect of several organic amendments on the growth and productivity of sweet corn, to evaluate the activity of indigenous mycorrhizal species on corn, and to evaluate the interactions between the organic amendments on the activity of arbuscular mycorrhizae on corn.

24. **DA-Cooperative State Research Service**  
"Agriculture Diversification: Hawaii Tropical Specialty Fruit Research and Development - 2006"  
Vincent, Douglas L  
Coll, Trop Ag & Human Res  
The overall objective is to provide scientific and outreach support services that enable Hawaii entrepreneurs to increase their revenues or profits from growing and selling tropical specialty fruit from Hawaii.

25. **DA-Cooperative State Research Service**  
"University of Hawaii CTAHR Flood Mitigation Grant"  
Vincent, Douglas L  
Coll, Trop Ag & Human Res  
Grant is to fund mitigation costs, in particular replacement of research, instructional and extension equipment damaged or rendered inoperable during or resulting from the aftermath of the October 30, 2004 University of Hawaii Flash Flood.
26. DA-Cooperative State Research Service $228,796
"Tropical and Subtropical Agricultural Research (TSTAR) for Hawaii: Management 2006"
Vincent, Douglas L Administration - CTAHR
This grant to the UH-CTAHR provides the resources necessary to effectively manage and coordinate the Pacific Basin Administrative Group, the Pacific part of the CSREES Special Grant entitled, "Tropical and Subtropical Agricultural Research (TSTAR) Special Grants Program".

27. DA-Dept of Agriculture $12,000
"2007 -- Funding for Research of Mutual Interest"
Grace, J Kenneth Plant & Environmental
Mutual interest by both parties to carry out research activities through Kauai filed research and by student laboratory assistants in Manoa.

28. DA-Dept of Agriculture $394,461
"Areawide Pest Management of Tephritid Flies that Infest Hawaii-Grown Fruits & Vegetables"
Mau, Ronald Plant & Environmental
Integrated area wide pest management of Tephritid flies that infest Hawaii-grown fruits & vegetables; area wide pest management practices to include education in small crop farmers.

29. DA-Dept of Agriculture $34,870
"Survey for Pathogens of Quarantine Importance to Hawaii Corn Seed"
Ooka, Jeri J Plant & Environmental
This project will survey seed company foundation seed fields and research nurseries for Brown Stripe Downy Mildew, Java Downy Mildew, Philippine Downy Mildew and Stewart's Wilt of corn.

30. DA-Dept of Agriculture $25,000
"Study of Attraction of Non-Target Organisms to Fruit Fly Female Attractants and Male Lures in Hawaii"
Rubinoff, Daniel Plant & Environmental
The study investigates attraction and effects on non-target organisms of methyl eugenol, cue-lure, GF-120 and other protein attractants, and Biolure 3-component lure, along ecological gradients covering a range of habitats, such as native, mixed and non-native forests, farmlands, orchards and residential areas.

31. DA-Dept of Agriculture $240,568
"Minor Crops Pest and Disease Control"
Vincent, Douglas L Coll, Trop Ag & Human Res R-9

32. DA-Dept of Agriculture $253,293
"Hawaii Pineapple Improvement"
Vincent, Douglas L Coll, Trop Ag & Human Res R-9

33. DA-Dept of Agriculture $253,293
"Protecting Papaya from Pests and Diseases"
Vincent, Douglas L Coll, Trop Ag & Human Res R-9

34. DA-Dept of Agriculture $102,867
"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
FROM: DHHS-Dept of Health & Human Services

1. DHHS-Administration on Aging
"Ha Kupuna: National Resource Center for Native Hawaiian, American Indian and Alaska Native Elders"
Mokuau, Noreen K School of Social Work
We request funds to develop and disseminate knowledge of Native American elders and their caregivers to improve access to and delivery of services to them.

2. National Institutes of Health
"Pathogenesis of Mesothelioma"
Carbone, Michele Cancer Research Center
To identify those factors that may cause certain individuals to be more susceptible to asbestos and erionite carcinogenesis and to develop malignant meothelioma.

3. National Institutes of Health
"Early Brain Development after Prenatal 'Ice' Exposure: A Longitudinal MR Study"
Chang, Linda School of Medicine
To assess changes in brain structure and brain metabolite concentrations in young children who were exposed to METH in utero; and to follow these changes until age 7. To evaluate neuropsychological performance in these children on a yearly basis over the same time period. To evaluate how structural and chemical brain abnormalities are related to cognitive development.

4. National Institutes of Health
"Role of Bamboo Extract in Relieving Lipotoxicity and Oxidative Stress in Diabetes"
Chen, Jun Cell & Molecular Biology- MED
To investigate the mechanisms of lipotoxicity preventing effect of bamboo extract (BM) and the systemic effect of BM as diet supplement on relieving the onset of obesity-induced type 2 diabetes and the development of further complications in Zucker Diabetic Fatty rats.

5. National Institutes of Health
"Catalytic Mechanism of Biotin Synthase"
Jarrett, Joseph Timothy Chemistry
To examine how bacteria make biotin or vitamin H.

6. National Institutes of Health
"Emotion and Cognition on Gene, Cell and Systems Levels"
Spiess, Joachim Psychiatry- MED
The proposal is targeted at the modulation of attention, learning and memory, especially by stress, and at the mediating role of anxiety. The clinical targets include attention deficit disorder, anxiety and psychotic disorders. It is our intention to link clinically oriented projects with animal models on a genetic basis.

7. NIH-Agency for Health Care Research
"Research Outcomes Accelerating Discoveries for Medical Applications and Practice"
Ostrander, Gary K. School of Medicine
The RCMI program aims to further develop research excellence in biomedicine and health by fostering translational research linking basic sciences and clinical medicine. Proposed research activities include biomedical imaging and bioengineering, bioactive nutrients, tropical infectious diseases detection and prevention and expanded biostatistics and computer core services.
8. NIH-Natl Cancer Institute (NCI)  
"SV40-like Sequences in Human Tumors: Analysis and Biologic Implications"  
Carbone, Michele  Cancer Research Center  
This proposal investigates if SV40 contributes to the development of human mesothelioma, a very aggressive tumor of the pleura whose incidence continues to increase.

9. NIH-Natl Cancer Institute (NCI)  
"Role of Cell Mediators in Asbestos - SV40 Carcinogenesis"  
Carbone, Michele  Cancer Research Center  
This proposal will be studying the hypothesis that asbestos and SV40 are co-carcinogens in causing malignant mesothelioma.

10. NIH-Natl Cancer Institute (NCI)  
"Surveillance, Epidemiology, and End Results (SEER) Program"  
Goodman, Marc T  Cancer Research Center  
The Hawaii Tumor Registry will maintain a cancer registration system for identification and follow-up of all cancers diagnosed in Hawaii as part of the SEER program.

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

12. NIH-Natl Heart, Lung & Blood Institute  
"Heart Failure Disparities in Native Hawaiians"  
Mau, Marjorie K  Native Hawaiian Health- MED  
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 researcher in the field of cardiovascular disease disparities among the aforementioned population.

13. NIH-Natl Heart, Lung & Blood Institute  
"Heart Failure Disparities in Native Hawaiians (Supplement)"  
Mau, Marjorie K  Native Hawaiian Health- MED  
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 the parent grant of the same title.

14. NIH-Natl Inst of Mental Health (NIMH)  
"Macrophages, HAART, and HIV Dementia in Thailand"  
Valcour, Victor G  Dean's Office- MED  
This is an observational trial of HIV patients in Bangkok as they begin antiretroviral therapy. The protocol follows cognition longitudinally and looks for a change in biomarkers.
FROM: DOC-Dept of Commerce

1. DOC-National Oceanic & Atmospheric
   "Hawaii Coral Reef Initiative, Phase 9"
   Hamnett, Michael P
   Social Science Rsrch Inst
   HCRI-RP proposes to sponsor research and monitoring of the state's coastal reefs that examine linkages between human activity and damage to the reef ecosystem. This will provide resource managers with information on the most effective and efficient ways to prevent, and possible reverse, the degradation of coral reefs. We will also conduct outreach about Hawaii's coral reefs.

2. 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 and products for climate studies.

3. DOC-National Oceanic & Atmospheric
   "Regional Hazard Detection, Prediction and Warnings: Upgrade Tide Stations for the Indian Ocean (University of Hawaii Sea Level Center)"
   Merrifield, Mark A
   JIMAR - SOEST
   Upgrade of selected tide stations in the Indian Ocean with new data collection platforms and sensors to improve reliability and transmission frequency in support of hazard warnings.

4. DOC-National Oceanic & Atmospheric
   "Profiling CTD Float Array Implementation and Ocean Climate Research"
   Schroeder, Thomas A
   JIMAR - SOEST
   1) To support the array through testing, deployment, and management of a subset of these floats, and 2) To perform scientific analysis including estimates of ocean heat variability using the float and other data.

5. DOC-National Oceanic & Atmospheric
   "Marine Resource Dynamics Assessment Program (MARDAP): Research Support"
   Schroeder, Thomas A
   JIMAR - SOEST
   Research support for fishery data monitoring and research operations.

6. DOC-National Oceanic & Atmospheric
   Schroeder, Thomas A
   JIMAR - SOEST
   A data set will be assembled that will include the atmospheric measurements currently being conducted at Mauna Loa Observatory and the mercury measurements.

7. DOC-National Oceanic & Atmospheric
   "UH R/V KLAUS WYRTKI recovery of PMEL PICO buoy"
   Schroeder, Thomas A
   JIMAR - SOEST
   Field retrieval of drifting "PICO" buoy approximately 100 miles offshore O'ahu.
8. DOC-National Oceanic & Atmospheric
"Marine Resource Dynamics and 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.

9. DOC-National Oceanic & Atmospheric
"Pelagic Fisheries Research Program"
Sibert, John R JIMAR - SOEST
These funds will cover various types of pelagic fisheries research projects to be conducted at various locations. Therefore, specific indirect cost rates, locations, certification and attachments are not addressed here, but will be addressed at the time each proposal is submitted.

10. DOC-National Oceanic & Atmospheric
"Impacts of Warm Pool and Extratropical Processes on ENSO"
Wang, Bin JIMAR - SOEST
Study of the impacts of Indian Ocean - western Pacific warm pool and extropical process.

11. 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.

12. DOC-Nat'l Marine Fisheries Service
"Coral Reef Management Initiative"
Schroeder, Thomas A JIMAR - SOEST
To establish an enhanced coral reef management presence within the existing NMFS, Pacific Islands Regional Office (PIRO), Habitat Conservation Program (HCP).

13. DOC-Nat'l Marine Fisheries Service
"Satellite Remote Sensing Research Related to the West Coast Integrated Observing System (IOOS)-Additional Funding"
Schroeder, Thomas A JIMAR - SOEST
Provide university of Hawaii researchers access to an expanded suite of satellite oceanographic data assembled by NOAA for use in physical, biological, and fisheries oceanography research and for developing satellite-derived ocean data research.

14. DOC-Nat'l Marine Fisheries Service
"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.-affiliated Pacific Islands.
15. DOC-Nat'l Marine Fisheries Service
"NEPA Initiative"
Schroeder, Thomas A JIMAR - SOEST
To obtain technical assistance on an activity and project specific basis to ensure and legally sufficient agency compliance with applicable National Environmental Policy Act (NEPA) requirements.

16. DOC-Nat'l Marine Fisheries Service
"Satellite Remote Sensing Research Related to the West Coast Integrated Observing System (IOOS)"
Schroeder, Thomas A JIMAR - SOEST
Provide University of Hawaii researchers access to an expanded suite of satellite oceanographic data assembled by NOAA for use in physical, biological, and fisheries oceanography research and for developing satellite-derived ocean data research products for use in supporting west coast Region Assoc of the Integrated Ocn Observ Syst and NOAA Fish Pac Coast Observ System.

17. DOC-Nat'l Marine Fisheries Service
"Fisheries Oceanography: Ecosystem Observations and Research Program"
Schroeder, Thomas A JIMAR - SOEST
Specific projects that bridge research investigations to produce ecosystem level analyses and products.

18. DOC-Nat'l Marine Fisheries Service
"Sustainable Fisheries Initiative"
Schroeder, Thomas A JIMAR - SOEST
To foster the sustained optimal use of marine fishery resources and maximum protection of endangered and threatened species of the State of Hawaii and other U.S. flag islands in the Western Pacific region.

19. DOC-Nat'l Marine Fisheries Service
"Pacific Islands Observer Program Initiative"
Schroeder, Thomas A JIMAR - SOEST
To collect high quality data on protected species interactions that occur in the fishing industry. Observers are trained by the Pacific Islands Regional Observer Program (PIROP) staff to collect data on protected species interactions, fishing effort, total catch composition, and selected fisheries research projects.

20. DOC-Nat'l Marine Fisheries Service
"Climate Changes and Ecosystem Variability in the North Pacific Ocean and the Dynamics of Marine Resource Populations"
Schroeder, Thomas A JIMAR - SOEST
Investigate the mechanisms of climate change in the North Pacific that are relevant to variations in marine populations, especially fishery stocks and protected resources.

21. DOC-Nat'l Marine Fisheries Service
"Fisheries Oceanography: 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.
22. DOC-Nat'l Weather Service  $249,582
"Transition from Experimental Climate Prediction to Operational Climate Forecasting and Information Services for the U.S. Affiliated Pacific Islands"
Schroeder, Thomas A JIMAR - SOEST
Conduct research on experimental climate prediction and impacts of interannual climate variability on the economies, cultures and public health of the U.S.-affiliated Pacific Islands.

23. DOC-Nat'l Weather Service  $100,610
"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 Meteorology Organization (WMO) Region 5. Goal is to train in techniques and technology applicable to their nations and physically transfer appropriate hardware and software to that nation.

24. DOC-Nat'l Weather Service  $127,085
"National Weather Service, Pacific Region - In Lieu of Rent Payments"
Schroeder, Thomas A JIMAR - SOEST
Funds will be used to support students and infrastructure within the departments of Meteorology, Oceanography (marine applications) and Geology & Geophysics (hydrology).

25. DOC-Nat'l Weather Service  $6,000
"National Weather Service - JIMAR Pacific International Desk - Additional Funding"
Schroeder, Thomas A JIMAR - SOEST
Training is provided to selected candidate meteorologists from the predominantly island nations within World Meteorology Organization (WMO) Region 5. Goal is to train in techniques and technology applicable to their nations and physically transfer appropriate hardware and software to that nation.

FROM: DOD-Dept of Defense

1. DOD-Dept of Air Force  $90,000
"Operations and Management of the Maui Supercomputing Center"
Lassner, David K Info Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.

2. DOD-Dept of Air Force  $194,901
"Operations and Management of the Maui Supercomputing Center"
Lassner, David K Info Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.

3. DOD-Dept of Air Force  $13,668
"Operations and Management of the Maui Supercomputing Center"
Lassner, David K Info Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.
4. DOD-Dept of Air Force $6,072
"Operations and Management of the Maui Supercomputing Center"
Lassner, David K Info Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.

5. DOD-Dept of Air Force $200,000
"Operations and Management of the Maui Supercomputing Center"
Lassner, David K Info Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.

6. DOD-Dept of Army $54,078
"Regional Sediment Processes in the Hawaiian Islands"
Fletcher, Charles H Geology & Geophys - SOEST
Research activities pertaining to the regional sediment management project on the southeast shoreline of the island of Oahu (Kailua, Lanikai and Waimanalo) as part of the national RSM demonstration program.

7. DOD-Dept of Army $48,995
"Simultaneous Multi-site Phonocardiography: A Simplified Heartsound Recording Device, Computer-Aided Heart Sound Analysis for Infants and Children"
Reed, Nancy Info & Computer Science
Computer-aided collection, processing and analysis of medical data for infants and children. Telemedicine application.

8. DOD-Dept of Navy $80,403
"Effects of Offshore Forcing in the Nearshore Environment"
Pawlak, Eugene Ocean & Resources
The proposed work is an extension of ongoing funded work examining effects of deep ocean forcing on nearshore dynamics. The extended work focuses on dynamics of bedforms under waves for carbonate sediments.

9. DOD-Dept of Navy $36,008
"Tropical Cyclone Genesis and Sudden Changes of Trade and Intensity in the Western Pacific"
Wang, Bin Meteorology - SOEST
This proposal addresses a number of important issues relating to sudden changes in the track, storm scale structure, and intensity of the tropical cyclones in the western Pacific.

10. DOD-Naval Research Laboratory $42,000
"Dynamics of Tropical Cyclone Intensity Change"
Li, Tim Meteorology - SOEST
To investigate the role of interactions among tropical cyclone symmetric and asymmetric flows and environmental circulation in change of the tropical cyclone intensity.

11. DOD-Naval Research Laboratory $3,256,000
"Hawaii Energy and Environmental Technologies (HEET) Initiative, Phase 2"
Rocheleau, Richard E Haw Nat Energy Inst -SOEST
Conduct research on development and testing of fuel cells and exploration and characterization of methane hydrates.
12. DOD-US Army Medical Research & Material $5,037,000
   "Pacific Pediatric Advanced Care Initiative"
   Burgess, Lawrence P A  Dean's Office- MED
   Develop Advanced Critical Care Initiatives in Patient Care with
   accompanying Curricula for Education and Training of Providers
   including Extracorporeal Membrane Oxygenation technology.

FROM: DOE-Dept of Energy

1. DOE-Dept of Energy $25,000
   "Sensitivity of MJO to the CAPE lapse time in the NCAR CAM3"
   Wang, Bin  Meteorology - SOEST
   To improve the Community Climate System Model (CCSM)
   developed at the National Atmospheric Research Center (NCAR) in
   simulating tropical intra-seasonal oscillation.

FROM: DOI-Dept of Interior

1. DOI-Fish & Wildlife $44,000
   "Conservation Biology of Federally Endangered Hawaiian Tree Snails: Captive Propagation Lab"
   Hadfield, Michael G  Pacific Biosciences Research
   To continue the conservation effort in three areas (a) captive
   propagation of threatened and endangered Hawaiian tree snails; (2)
   monitor residual populations of Achatinella spp. In the Koolau and
   Waianae Mountains; (3) periodically survey mountain areas on Oahu
   that are unknown to us or where recent surveys have not been
   carried out.

2. DOI-Fish & Wildlife $75,000
   "Investigation of Wet Tropical Forest Ecosystems in the Pacific Remote Islands Complex"
   Li, Qing  Molecular Biosci & Biosyst
   Investigate the wet tropical forest and hydrogeology of Palmyra Atoll
   NWR and other refuges in the Pacific Remote Island Complex.

3. DOI-Fish & Wildlife $3,650
   "Optimal Public Control of Exotic Species: Preventing the Brown Tree Snake from Invading Hawaii"
   Roumasset, James A  Economics
   Additional time is needed to travel to Guam and the CNMI to work
   with natural resource managers and quarantine officials to refine
   initial model of optimal control policy.

4. DOI-Geological Survey $33,490
   "Developing A Coral Conservation Strategy for the Global Warming Era in the National Park of American Samoa"
   Birkeland, Charles  Zoology
   Reciprocal transplant experiments of corals between stressful and
   benign environments will determine the nature of response of corals
   to the effects of global warming, i.e., acclimatization (physiological
   response) and/or adaptation (genetic response). We will also
   examine the effects of local physical environmental processes such
   as water motion in ameliorating the influence.
5. DOI-Geological Survey  
"PBIN: Spatial Data and Mapping (Hawaii Biodiversity & Mapping Program)"
Gibson, Barbara  Pacific Biosciences Research  
This cooperative project would serve to continue the development of internet mapping (WebGIS) capacity for the node. The map service provided by the Hawaii Biodiversity and Mapping Program (HBMP) gives PBIN critical GIS capabilities. The geospatial functionality made available through the PBIN web interface allow for the rapid assessment and interpretation of bio-data.  

6. DOI-Nat'l Park Service  
"Assess Nutrient Sources and Water Quality of Ponds in Kaloko-Honokohau National Historical Park (Coop Agrmt #H8080040012; Task Agrmt #J8320060032)"
Bienfang, Paul  Oceanography - SOEST  
This project provides technical and research assistance to continue monitoring water quality in the groundwater, anchialine pools, and two large fishponds in KAHO to determine if long-term interannual trends indicate that water quality parameters show effects from up-gradient developments.  

7. DOI-Nat'l Park Service  
"Developing New Techniques for Invasive Argentine Ant Control/Eradiation to Protect Pollinators and Other Endemic Wildlife of Haleakala National Park"
Duffy, David  Botany  
Continue support of experimental eradication strategies against the large population of invasive Argentine ants at Haleakala National Park.  

8. DOI-Nat'l Park Service  
"Research on Strategies to Control Invasive Species in Hawaiian Ecosystems"
Duffy, David  Botany  
Expand the project by adding experimental control efforts of weeds on young lava flow areas in Kahuku addition of Hawaii Volcanoes NP.  

9. DOI-Nat'l Park Service  
"Experimental Removal of Selected Invasive Plants from Big Island Parks"
Duffy, David  Botany  
Continue experimental eradication methods against incipient and localized weed infestations and achieve knockdown of moderate to dense alien weed infestations from selected plant communities in National Parks on Big Island.  

10. DOI-Nat'l Park Service  
"Research and Education Strategies to Revegetate Disturbed Areas"
Duffy, David  Botany  
Support efforts at Hawaii Volcanoes NP to research native plant propagation and revegetation techniques and develop education program to make available successful techniques.  

11. DOI-Nat'l Park Service  
"Monitoring Plan Development, Pacific Island Network"
Duffy, David  Botany  
Continue cooperative effort on Pacific Island Networks, specifically with preparation of Vital Signs Monitoring Protocols.
<table>
<thead>
<tr>
<th></th>
<th>DOI-Natl Park Service</th>
<th>Budget Request ($)</th>
<th>Description</th>
<th>Responsible Party</th>
<th>Field或Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.</td>
<td>DOI-Natl Park Service</td>
<td>$89,400</td>
<td>&quot;Protect Significant Archeological and Cultural Sites from Destructive Alien Plant Species&quot;</td>
<td>Duffy, David</td>
<td>Botany</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Continue vegetation control on various archaeological sites in Kaloko-Honokohau NHP.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>DOI-Natl Park Service</td>
<td>$50,000</td>
<td>&quot;Molokai Community Based Rare Plant Conservation&quot;</td>
<td>Duffy, David</td>
<td>Botany</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Continue technical assistance for recovery of endangered native plants on Molokai.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>DOI-Natl Park Service</td>
<td>$126,388</td>
<td>&quot;Natural Resource Inventory, NPS Pacific Island Network Parks&quot;</td>
<td>Duffy, David</td>
<td>Botany</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Continue cooperative effort with NPS to conduct inventories of national parks in Hawaii, American Samoa, Guam and the Marianas islands.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>DOI-Natl Park Service</td>
<td>$85,188</td>
<td>&quot;Protocol Database Development and Database Record Certification&quot;</td>
<td>Duffy, David</td>
<td>Botany</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Develop relational database applications for Pacific Island Network long-term monitoring protocols.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>DOI-Natl Park Service</td>
<td>$153,570</td>
<td>&quot;Research on Strategies to Restore Rare Plant Biodiversity&quot;</td>
<td>Duffy, David</td>
<td>Botany</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Continue stabilization or reintroduction of rare plant species targeted for management in the Hawaii Volcanoes NP.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.</td>
<td>DOI-Natl Park Service</td>
<td>$135,000</td>
<td>&quot;Marine Inventory, Monitoring and Research, Pacific Islands Coral Reef Program&quot;</td>
<td>Duffy, David</td>
<td>Botany</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Continue collaborative assistance with the NPS Pacific Islands Coral Reef Program in conducting marine inventories, monitoring and research on the coasts and waters off several National Parks units in the Pacific Islands.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18.</td>
<td>DOI-Natl Park Service</td>
<td>$27,124</td>
<td>&quot;Experimental Restoration of Native Plant Communities&quot;</td>
<td>Duffy, David</td>
<td>Botany</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Continue research to determine best ways to restore threatened native plant communities on Hawaii Volcanoes NP.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19.</td>
<td>DOI-Natl Park Service</td>
<td>$456,396</td>
<td>&quot;Monitoring Protocol Development Assistance, Pacific Island Network&quot;</td>
<td>Duffy, David</td>
<td>Botany</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Continue technical assistance to Pacific Island Network Vital Sign Monitoring Protocols.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
20. **DOI-Nat'l Park Service**  
"Testing and Adapting Change Vector Analysis to NPS PACN Landscape Dynamics: A Pilot Study"  
Gibson, Barbara  
Pacific Biosciences Research  
Integrate and adapt the Physiognomic Change Defection protocol methodology developed for NPS North Coast Cascades Network (NCCN) by Warren Cohen and Robert Kennedy, Oregon State University to Pacific Island Network (PACN) needs and conditions. This includes possibly modifying the NCCN change vector analysis approach for detecting land use/land cover change within PACN.  

21. **DOI-Nat'l Park Service**  
"Assessment of Coastal Water Resources and Watershed Conditions in Selected National Parks of the Pacific Islands"  
Hoover, Daniel  
Oceanography - SOEST  
Revise due dates and provide funding to complete additional project deliverables.  

22. **DOI-Nat'l Park Service**  
"Identification of Ancient Historic Trails in the Ala Kahakai Corridor in S. Kona & Kau, Hawaii"  
Minerbi, Luciano  
Urban & Regional Planning  
Identification of ancient historic trails in the Ala Kahakai corridor in South Kona and Kau, Hawaii.  

23. **DOI-Nat'l Park Service**  
"Heritage Landscape Documentation, South Kohala and North Kona, Island of Hawaii"  
Minerbi, Luciano  
Urban & Regional Planning  
Heritage landscape documentation for South Kohala and North Kona focus on the State's Na Ala Hele Trail called "Ala Kahakai" at Pu'i Anahulu and Pu'u Wa'a'wa in support of the NPS "Ala Kahakai" National Historic Trail Management.  

24. **DOI-Nat'l Park Service**  
"Assessing the Threat of Invasive Alien Algae to Pacific Islands National Parks, Mod II"  
Smith, Celia M  
Botany  
This research evaluates the marine algae of select Pacific National Parks for the presence of alien algae.  

FROM: National Science Foundation

1. **National Science Foundation**  
"Controllability of Mechanical Systems with Potential and External Forces"  
Chyba, Monique  
Mathematics  
We propose to analyze controllability properties for mechanical systems with potential and external forces. Our methods are implemented on underwater vehicles.  

2. **National Science Foundation**  
"Airborne Measurements of the Physio-Chemistry and Evolution of Aerosols in the Tropics during the Pacific Atmospheric Sulfur Experiment (PASE)"  
Clarke, Antony D  
Oceanography - SOEST  
Employ a variety of airborne instruments to study changes in the aerosol size which is needed to understand the marine sulfur cycle and how it relates to the marine aerosol on cloud properties.  

FROM: National Science Foundation
3. National Science Foundation
"Collaborative Proposal: Microbial Ecology of Ocean Basement Aquifers: ODP Borehole Observatories"
Cowen, James P Oceanography - SOEST
To establish a time-series microbial ecology and geochemistry observatory at a ODP borehole CORK observatory.

4. National Science Foundation
"Infrastructure-Level Protection to Ensure Critical Communications"
Dong, Yingfei Electrical Engineering
Computer network security, fighting unsolicited traffic.

5. National Science Foundation
"Collaborative Research: Seismic Analysis of Upper-Mantle Dynamics: Seafloor Spreading and Hotspot Interaction in the Atlantic"
Dunn, Robert A Geology & Geophys - SOEST
Supplemental funds are requested to seismically image details of sub-lithospheric structure along Reykjanes mid-ocean ridge and several other hot-spot influenced sections of mid-Atlantic system.

6. National Science Foundation
"CAREER: Investigations of Breaking Waves and Fluid-Structure Interactions"
Frandsen, Jannette B. Ocean & Resources
Experimental investigations and computational model development of water waves and fluid-structure interactions.

7. National Science Foundation
"Collaborative Proposal: Challenger Deep and Trench-related Processes, Reconnaissance Studies with WHOI's 11km-Capability Hybrid-ROV"
Fryer, Patricia Haw Inst Geophys & Planet
The scientific mission will test models for processes of fluid expulsion from the subducted slab during initial subduction of an oceanic lithospheric plate at the Mariana Trench, will examine petrologic history of rock samples recovered, and will provide the first field test of the new robotic vehicle at full-ocean depth.

8. National Science Foundation
"Coarse and Fine Aerosol Composition from the C-130 During PASE"
Howell, Steven G Oceanography - SOEST
We are proposing to measure sulfur aerosols in marine air at Christmas Island. This will help us understand how aerosol particles are formed from sulfur gases emitted by the ocean. These particles control the whiteness of clouds and thus affect our climate.

9. National Science Foundation
"Tomographic Imaging of the Velocity and Magnetic Fields in the Sun's Atmosphere"
Jefferies, Stuart Institute for Astronomy
To build and validate new instrumentation to simultaneously measure the velocity and line-of-sight magnetic field strength at four heights in the Sun's atmosphere and to acquire data from the South Pole and perform initial seismic probing of the morphology and dynamics of the solar atmosphere from the photosphere to the high chromosphere.
10. National Science Foundation
"Dynamics of Low-Frequency Modes of the Atmospheric Circulation"
Jin, Fei-Fei Meteorology - SOEST
In this project, we propose a new dynamical framework to model the prominent and recurrent patterns of the atmospheric circulation anomalies by including dynamical closures that explicitly describe the synoptic eddy and low-frequency flow (SELF) feedback dynamics.

11. National Science Foundation
"CRC: Chemistry of Unsaturated Hydrocarbons in Titan's Atmosphere"
Kaiser, Ralf I Chemistry
An investigation of the chemical processing of Saturn's moon Titan and of cold molecular clouds.

12. National Science Foundation
"The Role of Gender in Language Used by Children and Parents Working on Mathematical Tasks"
Olson, Judith CRDG
This project will study the mathematical language used by children and parents as they work together on mathematical tasks. One hundred child-parent pairs will participate in the study. The project will investigate whether parents interact differently and have different expectations for girls than for boys.

13. 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.

14. National Science Foundation
"Origin, Pathway and Fate of Equatorial 13C Water in the Pacific"
Qu, Tangdong Oceanography - SOEST
The proposed study will develop a comprehensive description of the origin, pathway and fate of Equatorial 13 C water and examine the temporal variability of its circulation and possible influence on the equatorial thermocline and sea surface temperature of the Pacific.

15. National Science Foundation
"SHINE: Numerical Modeling of SHINE Campaign Events of Coupled MagnetohydroDynamics-Solar Energetic Particle (MHD-SEP) Simulations"
Roussev, Ilia I. Institute for Astronomy
To improve our understanding of solar eruptions and related solar energetic particle events, by means of coupled magnetohydrodynamics numerical simulations.

16. National Science Foundation
"Collaborative Research: Evolution of Population Connectivity in Sea Stars"
Toonen, Robert Haw Inst Marine Bio-SOEST
A study of the patterns of population connectivity in sea stars, and the evolutionary or ecological constraints that drive patterns of connectivity among species.
17. National Science Foundation
"Submillimeter Interferometry of the Orion Proplyds"
Williams, Jonathan P Institute for Astronomy
This is a 3-year proposal intended to fund observations of planet forming disks (known as proplyds) around young stars in the Orion nebula. I will use the Submillimeter Array on Mauna Kea to measure the emission from these disks, determine their masses, and assess their viability for planet formation.

18. National Science Foundation
"CR: Dynamics of Carbon Release and Sequestration: Case Studies of Two Early Eocene Hyperthermals"
Zeebe, Richard Oceanography - SOEST
About 55 million yrs ago, a dramatic release of carbon dioxide occurred, probably due to a catastrophic release of methane from oceanic hydrates. We will study these events to improve prognoses of future effects of carbon dioxide, which is currently released by human activities.

FROM: Nat'l Aeronautics & Space Administration
1. Nat'l Aeronautics & Space Administration
"A Method for Identifying Mineralogical Signatures in Locales with Large Topography Using Atmospherically Equalized THEMIS Data"
Anderson, Scott A Haw Inst Geophys & Planet
Derive and test new atmospheric correction for THEMIS data from Mars.

2. Nat'l Aeronautics & Space Administration
"Support Services, Maintenance and Calibration of the TLRS-4 System"
Kuhn, Jeffrey R Institute for Astronomy
To continue the history of Haleakala as one of two fixed, well-defined geometric reference points in NASA's tectonic motion data solution.

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

4. Nat'l Aeronautics & Space Administration
"Mapping the Martian Impact Crater Tooting"
Mouginis-Mark, Peter J Haw Inst Geophys & Planet
We will produce a geologic map of a meteorite impact crater on the planet Mars, and publish this map with the assistance of the U.S. Geological Survey’s Astrogeology Branch.

5. Nat'l Aeronautics & Space Administration
"Vents, Flows and Fluvial Features on Martian Volcanoes"
Mouginis-Mark, Peter J Haw Inst Geophys & Planet
I will use satellite images of Mars to look for vents for lava flows, individual lava flows that have channels in their middle, and water-carved features on these volcanoes. This will be used to better understand the eruption history of Martian volcanoes.
6. Nat'l Aeronautics & Space Administration
"CIRS Proposal"
Owen, Tobias Institute for Astronomy
Interpretation of abundances of gases and isotopic ratios determined in the atmospheres of Saturn and Titan. Will also be looking for evidence of organic material on the surfaces of the icy satellites and in Saturn's rings.

FROM: Independent Federal Agencies- Minor
1. Nat'l Geospatial-Intelligence Agency
"From Looking Up to Looking Down"
Tonry, John Institute for Astronomy
We are developing computer software for the automated analysis of vast amounts of astronomical imaging data from the Pan-STARRS project.

2. US Agency for International Development
"Soil Management CRSP"
Uehara, Goro Tropical Plant & Soil Science
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: Hawaii- Government Agencies
1. City and County of Honolulu
"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. Hawaii-Dept of Business & Economic
"Hawaii Energy Assessment - Economic Implications of Reducing Use of Oil for Energy"
Rocheleau, Richard E Haw Nat Energy Inst -SOEST
Conduct a study to assess the economic implications of the dependence of the State of Hawaii on oil as its principal energy source, and assess the technical and economic feasibility of several options including renewables and LNG.

3. Hawaii-Dept of Education
"Evaluating Supplemental Educational Service Providers in Hawaii, Year 2"
Inazu, Judith K Social Science Rsrch Inst
To evaluate the effectiveness of vendors who provide tutoring services to eligible public school children in Hawaii.

4. Hawaii-Dept of Human Services
"Relating to the Evaluation of the UPLINK Program"
Yuen, Sylvia H L Center on the Family
Develop and implement an evaluation plan on the Uniting Peer Learning, Integrating New Knowledge after-school program in selected middle schools Statewide.

5. Hawaii-Dept of Land & Natural Resources
"Resource Management in the East Maui Watershed (was "Watershed Protection in East Maui")"
Duffy, David Botany
Continue adaptive management of East Maui Watershed.
6. Hawaii-Dept of Transportation $2,598  
"Five Year Monitoring of Corrosion Field Specimens"  
Robertson, Ian N  Civil and Environmental  
This project involves monitoring the performance of reinforcing steel in concrete panels exposed to marine environments. Various corrosion inhibiting measures will be evaluated.

7. Hawaii-Off of Hawaiian Affairs $14,490  
"Update Documentation and Analysis of the History, Success, and Effectiveness of the Community Economic Development Program in the State of Hawaii"  
Minerbi, Luciano  Urban & Regional Planning  

FROM: Hawaii- Health Organizations

1. Hawaii Medical Services Association $216,301  
"Expansion and Evaluation of Fun Five in the DOE After School Plus (A+) Program to Promote Physical Activity and Nutrition"  
Nigg, Claudio  Office of Public Health Studies  
This Third Statement of Work encompasses Period 3 of the Fun 5 program, part of an anticipated five-year systematic implementation and evaluation ensuring the long-term sustainability and impact of the program. Fun 5 is a physical activity and nutrition program for elementary after-school programs.

2. Pacific Health Research Institute $20,390  
"Risk Factors for Pathological Markers - Parkinson's Disease"  
Uyehara-Lock, Jane  Pathology- MED  
Pacific Health Research Institute wishes to purchase the staff time of Jane Uyehara-Lock, M.D., a University of Hawaii employee, to conduct research relating to Parkinson’s Disease.

FROM: Mainland- Business

1. Sanofi-Aventis Pharmaceuticals $36,192  
"Sanofi-Aventis DRI6012[AVE0010.2002]"  
Arakaki, Richard F  Medicine- MED  
A 13-week multinational, randomized, double-blind, placebo-controlled, dose-response clinical trial assessing the safety, tolerability and efficacy of the clinical drug AVE0010 in Metformin-treated subjects with Type 2 Diabetes.

2. Schering Corporation $41,300  
"Vicriviroc (SCH 417690) in Combination Treatment with Optimized ART Regimen in Experienced Subject (VICTOR-E2)"  
Shikuma, Cecilia M  School of Medicine  
To conduct Schering-Plough study protocol (P04285-64), which is attempting to evaluate antiviral efficacy of vicriviroc (a HIV drug) in individuals infected with the HIV virus who are failing their current drug therapies.

3. Southwest Research Institute $5,001  
"New Analysis Techniques of Chromospheric Time Series"  
Jefferies, Stuart  Institute for Astronomy  
Investigate new analysis techniques of chromospheric time series data and supply code developed under the effort to the Principal Investigator at the Southwest Research Institute.
4. Southwest Research Institute
"Analysis and Interpretation of Chromospheric Data from MOTH and TRACE"
Jefferies, Stuart Institute for Astronomy
Provide analysis and interpretation of existing chromospheric data from the MOTH (Magneto-Optical Observations at Two-Heights) instrument and the TRACE (Transition Region and Coronal Explorer) spacecraft.

5. Southwest Research Institute
"Juno Project"
Owen, Tobias Institute for Astronomy
The chemical composition of stars holds the answers for many of the most fundamental questions about our universe. The research proposed here on the study of the light elements, lithium, beryllium, and boron will have an impact on a number of diverse fields, such as cosmology and Big Bang nucleosynthesis, the origin of the elements, cosmic ray theory, the interiors of stars and ...

FROM: Mainland- Other

1. Ernest Orlando Lawrence - Berkeley National Lab
"Subcontract with University of California Ernest Orlando Lawrence Berkeley National Laboratory for Use of the UH 2.2-m Telescope on Mauna Kea"
Hodapp, Klaus W Institute for Astronomy
UH shall furnish the necessary facilities, supplies, equipment and personnel to conduct certain work using the UH 2.2-m telescope on Mauna Kea.

2. Jet Propulsion Lab
"Evolution and Structure of Very Low Mass Disks Around YSOs"
Allers, Katelyn Institute for Astronomy
To study structure and chemistry of disks around young brown dwarfs with very low masses.

3. Jet Propulsion Lab
"Pinning Down the Chemical Abundances of Metal-Rich Giant HII Regions"
Bresolin, Fabio Institute for Astronomy
We will use Spitzer spectra of 10 metal-rich extragalactic HII regions to measure the intensities of neon and sulphur emission lines. When combined with our optical spectra, these measurements will help us constrain the chemical abundances of these objects.

4. Jet Propulsion Lab
"Mixing It Up: Gas, Stars, Starbirth, and AGN in a Supercluster at z=0.9"
Gal, Roy Institute for Astronomy
To map the best-studies large scale structure at high redshift - a massive twelve-cluster supercluster at z=0.9 which extends 15 Mpc x 100 Mpc.

5. Jet Propulsion Lab
"Star Formation Rates in a Sample of Redshift 6.6 Galaxies"
Hu, Esther M Institute for Astronomy
This is a program to study star formation rates in the highest redshift galaxies currently known by using a combination of deep optical and infrared observations from ground- and space-based instruments.
6. Jet Propulsion Lab $34,328
"Albedos of MBC Nuclei"
Jewitt, David C Institute for Astronomy
The science objective of this proposal is to measure albedos form main-belt comets and dynamically similar objects so as to enable comparison with classical comets. Ground-based data at optical wavelengths are combined with Spitzer thermal measurements to determine albedos.

7. Jet Propulsion Lab $15,852
"PAH Emission in Low-Luminosity AGN: Ghosts in the Machine"
Kewley, Lisa Institute for Astronomy
The goal of our program is to uncover the nature of Poly-Aromatic Hydrocarbon (PAH) emission in galaxies.

8. Jet Propulsion Lab $46,619
"A Spitzer Spectroscopic Survey of a Complete Sample of Luminous Infrared Galaxies in the Local Universe"
Kewley, Lisa Institute for Astronomy
We propose to obtain low and high-resolution spectra that will provide an unprecedented spectroscopic data base of a complete sample of luminous infrared galaxies in the local Universe.

9. Jet Propulsion Lab $7,475
"Far-Infrared Dissection of the GRB980425/SN1998bw Host Galaxy: Toward an Understanding of the Origin of Gamma-Ray Bursts"
Le Floc'h, Emeric M. Institute for Astronomy
To image the super star cluster, GRB980425/SN1998bw, at 70mic and 160mic with MIPS. The combination of these observations with existing data at shorter wavelengths will lead to a thorough characterisation of its properties and to the most detailed panchromatic view of a GRB host galaxy ever achieved so far.

10. Jet Propulsion Lab $20,224
"Mid-IR Ultra-Deep Spectroscopy of the Cosmic Infrared Background"
Le Floc'h, Emeric M. Institute for Astronomy
To obtain low resolution, mid-infrared spectra of a sample of 48 galaxies at z~1 and 2 with 24um flux densities between 0.15-0.5mJy which dominate the cosmic infrared background emission at 70 & 160um.

11. Jet Propulsion Lab $36,563
"A Far-IR Exploration of the Diversity of Ultra-Luminous Infrared Galaxies at 2<z<3"
Le Floc'h, Emeric M. Institute for Astronomy
To perform deep imaging which will provide constraints on total infrared spectral energy distributions, their bolometric luminosities, dust temperatures and total dust masses.

12. Jet Propulsion Lab $9,600
"Survey of Ensemble Physical Properties of Cometary Nuclei"
Meech, Karen J Institute for Astronomy
To make an albedo and radius survey of 100 cometary nuclei using Infrared Spectrometer and Multiband Imaging Photometric imaging.
<table>
<thead>
<tr>
<th>Project Number</th>
<th>Project Title</th>
<th>Budget (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Jet Propulsion Lab</td>
<td>$204,173</td>
</tr>
<tr>
<td></td>
<td>&quot;S-COSMOS: the MIPS Deep Survey of the COSMOS 2-sqdeg Field&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sanders, David B Institute for Astronomy</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A deep imaging survey with the spitzer MIPS detectors to observe the full HST-COSMOS 2-sqdeg field.</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Jet Propulsion Lab</td>
<td>$64,980</td>
</tr>
<tr>
<td></td>
<td>&quot;Spectral-Energy Distribution of Galaxies with Old Stellar Populations in Radio-Source Fields at Z ~ 2.5&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stockton, Alan N Institute for Astronomy</td>
<td></td>
</tr>
<tr>
<td></td>
<td>We have identified a number of galaxies with apparent old stellar populations in the fields of high-redshift radio sources. The observations with the Spitzer Telescope are designed to give a definitive test whether some of these might have heavily reddened younger populations masquerading as old populations.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Social Science Research Council</td>
<td>$25,000</td>
</tr>
<tr>
<td></td>
<td>&quot;The Economic Impact of Korean Enclaves in the Pacific Rim&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spencer, James Urban &amp; Regional Planning</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Support two part-time graduate assistants and data collection site visits to Beijing (China), Tokyo (Japan), and Los Angeles, CA in preparation of one literature review and three journal articles.</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Space Telescope Science Institute</td>
<td>$11,000</td>
</tr>
<tr>
<td></td>
<td>&quot;Debris Disks Around Nearby Young M. Dwarfs&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Liu, Michael Institute for Astronomy</td>
<td></td>
</tr>
<tr>
<td></td>
<td>To obtain HST/ACS coronagraphic imaging of two young nearby low-mass stars to study their debris disks in scattered light.</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Space Telescope Science Institute</td>
<td>$24,048</td>
</tr>
<tr>
<td></td>
<td>&quot;Constraints on the Formation and Evolution of the Pluto System (HST-AR-10940.02)&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tholen, David J Institute for Astronomy</td>
<td></td>
</tr>
<tr>
<td></td>
<td>For this project, we will utilize existing images of the Pluto-Charon system to extract new astrometric data for the two newly discovered satellites, thereby extending the temporal baseline of observations and improving their orbits.</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Space Telescope Science Institute</td>
<td>$38,000</td>
</tr>
<tr>
<td></td>
<td>&quot;Revisiting the Supernova Ia Rate at Z&gt;1&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tonry, John Institute for Astronomy</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Using archival Hubble Space Telescope data, we will improve on the detection, measurement and analysis of distant Type Ia Supernovae. We are revisiting these well-studied fields with more advanced transient source detection algorithms to expand our understanding of these important objects.</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Univ Corp for Atmospheric Research</td>
<td>$10,140</td>
</tr>
<tr>
<td></td>
<td>&quot;Applications of High Resolution Weather Models to Improve Weather Forecasting over the Hawaiian Islands&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chen, Yi-Leng Meteorology - SOEST</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The main objectives of this research is to improve high resolution (with grid size as small as 1.5 km) experimental forecasts using models that properly depict the island terrain and land surface condition over the Hawaiian Islands.</td>
<td></td>
</tr>
</tbody>
</table>
FROM: U.S. Universities and Colleges

1. Baylor College of Medicine $33,567
   "Subcontract to R03, 'Soy Isoflavone Supplementation and Mammographic Density in Postmenopausal Women,' PI=William W. Wong, Baylor College of Medicine"
   Maskarinec, Gertraud Cancer Research Center
   The goal of this project is to examine the relation between isoflavone supplementation and mammographic densities.

2. Mississippi State University $31,166
   "Further Testing and Evaluation of Code Coupling Methodologies and Application of a Leading Coupling Framework to Atmospheric and Oceanic Models"
   Li, Tim Meteorology - SOEST
   Test and implement the existing couplers/frameworks to develop standards and general solutions for climate, weather and ocean code coupling.

3. New York University $14,800
   "American/Australian Mesothelioma Consortium"
   Carbone, Michele Cancer Research Center
   To test the validity of serological assays for mesothelin and osteopontin for early detection of mesothelioma in high risk cohorts in the US and Australia.

4. Univ of California- Davis $56,830
   "Western Regional Center in National Network"
   Alvarez, Anne M Plant & Environmental
   Interest in and support of research and service in plant pathology.

5. Univ of California- San Diego $61,130
   "Dynamic Balance of the Oceanic Mixed Layer Observed by In Situ Measurements and Remote Sensing"
   Maximenko, Nikolai Institute for Astronomy
   Simplest form of dynamic balance in the mixed layer will be validated using in situ and remote data and used to compute mean sea level and surface circulation and to enhance existing techniques of data processing and calibration.

6. Univ of California- San Diego $51,327
   "The Atmospheric Response to Ocean Heat Flux Convergences"
   Schneider, Niklas Oceanography - SOEST
   Conclude studies on the atmospheric response to oceanic heat flux convergences. Subcontract to UCSD/SIO grant NOAANS88/NOAAAM88, Reem A. Hanna, fund manager, rahanna@ucsd.edu.

7. Univ of Georgia $210,132
   "Functional Genomics of Maize Centromeres"
   Presting, Gernot Molecular Biosciences &
   Chromosome movement during cell division is controlled by the centromere. The proper segregation of chromosomes into the two daughter cells during cell division is required for survival, making the centromere an extremely important chromosomal region. The DNA and protein components of corn centromeres will be studied with the intent of identifying the critical components for making an artificial chromosome.
8. Univ of Mississippi
"Proposal for University of Hawaii Participation in University of Mississippi's Advanced Acoustic Sensor Technology Exploitation (ASTEC II)"
Garces, Milton Haw Inst Geophys & Planet
Analyze and compare data and modify algorithms from various infrasonic sounds from the Big Island, Southwestern US, Washington, Ecuador.

9. Univ of New Mexico
"Advanced Concepts in Space Situational Awareness"
Jefferies, Stuart Institute for Astronomy
Investigations into advance imaging methods and testing of these methods in the AFOSR-sponsored S-cube facility on Maui.

10. Univ of Southern California
"Women's Interagency HIV Study"
Shikuma, Cecilia M School of Medicine
To define characteristics which predict HIV disease progression in HIV infected women.

11. Univ of Texas-San Antonio
"Germline-Specific Reprogramming in Cloned Mice"
Yanagimachi, Ryuzo School of Medicine
We propose a systematic study to compare the extent to which genetic and epigenetic parameters become properly reprogrammed in somatic and germ cells of embryos and offspring produced by mouse cloning. This study allows us to understand how germline specific mechanisms of genetic and epigenetic reprogramming normally function.

12. Vanderbilt University
"Association of Urinary Phytoestrogen Excretion with Cancer Risk in Female Chinese"
Franke, Adrian A Cancer Research Center
Isoflavonoids and lignans are two groups of phytoestrogens with suggested cancer-inhibitory properties. We propose to study the association between the urinary excretion of these phytoestrogens and the risk of breast cancer using samples from the Shanghai Women's Health Study.

13. Vanderbilt University
"Association of Antioxidants with Breast Cancer Risk in Chinese Women"
Franke, Adrian A Cancer Research Center
To examine whether urinary phytochemicals and plasma antioxidants are related to markers of breast cancer using samples from a nested case-control study conducted in Shanghai.

FROM: All Non-U.S.
1. BAE Systems
"Spectral Measurements Utilizing Uncooled Interferometer"
Lucey, Paul Haw Inst Geophys & Planet
Perform laboratory measurements on BAE supplied materials utilizing un-cooled interferometer.

2. Commonwealth of Northern Mariana Islands
"Coastal Erosion Hazard Assessment of the Commonwealth of the Northern Mariana Islands"
Fletcher, Charles H Geology & Geophys - SOEST
To provide a coastal erosion hazard assessment that describes the pattern, rates, and extent of the coastal erosion hazard, taking into consideration the range of geologic and oceanographic factors affecting shoreline stability.
3. Haseko Corp. $25,000
"Determining the Influence of Drain Water on the Composition and Abundance of Intertidal Seaweeds along Ewa, Oahu"
Abbott, Isabella A Botany
I will assess the influence of drain water on intertidal seaweeds along Ewa coastline from Barber's Point to One'ula Beach Park. This information will be used to determine the impact of a proposed drain of seaweeds near Papipi Drive.

4. Nat'l Astronomical Observatory of Japan $90,000
"NAOJ-Subaru Telescope Use of the UH 2.2-m Telescope FY07"
Hodapp, Klaus W Institute for Astronomy
To foster collaborative astronomical programs primarily the collaborative use of the UH 2.2 meter Telescope.

FROM: Miscellaneous
1. Center for Tropical and Subtropical Aquaculture $52,730
"Improved Stocks and Management Practices for Commercial Tilapia Culture in Hawaii and the Pacific Region Year 2 - Hawaii Component"
Szyper, James P Sea Grant - SOEST
Testing growth performance of local commercial tilapia stocks against imported stocks; genetic analysis of all stocks; development and communication of good management practices for breeding and production culture.

2. 'Ohu 'Ohu Ko'olau, Inc. $26,532
"Endangered Species Reintroduction and Conservation on the Property of Tiana Partners"
Duffy, David Botany
Reintroduce and monitor five endangered plant species and enhance habitat of sixth species in protected habitation on Koolau Mtns.

NON-RESEARCH AWARDS

FROM: DA-Dept of Agriculture
1. DA-Cooperative State Research Service $450,347
"Agricultural Development in the American Pacific (ADAP) Project, Year 19"
Hashimoto, Andrew Coll, Trop Ag & Human Res
ADAP advances the viability and security of Pacific Island agriculture and communities through collaborative programs that are culturally appropriate, socially acceptable, economically viable, and environmentally sustainable.

FROM: DHHS-Dept of Health & Human Services
1. DHHS-Dept of Health & Human Services $899,970
"Pacific Emergency Management, Preparedness and Response Information Network and Training Services (Pacific EMPRINTS)"
Sakaguchi, Ann M Anthropology
A continuing education training grant to train community-based healthcare providers in Hawaii and California to respond to a large scale public health emergency or mass casualty incident.
2. DHHS-Dept of Health & Human Services
"Hawaii Pacific Basin Area Health Education Center (H/PB AHEC)"
Withy, Kelley School of Medicine
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.

3. National Institutes of Health
"Master's in Clinical Research"
Harrigan, Rosanne School of Medicine
Offer curriculum leading to Master's in Clinical Research.

4. National Institutes of Health
"Parallel MRI for Substance Abuse Research"
Stenger, V. Andrew School of Medicine
This is a Career Development Independent Scientist Award (K02) for Dr. V. Andrew Stenger who is a physicist and an Associate Professor in the Dept of Medicine at JABSOM, UH. He aims to develop MRI techniques in high field MRI of the brain, rapid imaging and image reconstruction. He will also collaborate with Drs. Linda Chang and Thomas Ernst to study drug abuse.

5. NIH-Nat'l Center for Complementary & Alternative
"Psychosocial, Behavioral and Immune Factors in Back Pain"
Hurwitz, Eric L. Public Health Sciences
The research is being transferred from UCLA to the University of Hawaii and involves the analysis of data collected in two randomized clinical trials that were conducted and completed at UCLA. The analyses focus on the effects of behavioral and psychosocial factors on low-back and neck pain prognosis.

6. NIH-Nat'l Center for Research Resources (NCRR)
"Hawaii Clinical and Translational Science Institute (HCTSI)"
Ostrander, Gary K. Chancellor - UH Manoa
This is a planning grant to establish administrative and organizational structures for the Clinical and Translational Science Awards.

7. PHS-Health Resources and Services Admin
"Predoctoral Training in Primary Care - Family Medicine"
Omori(Minami), Jill S Fam Prac & Comm Hlth- MED
This project will improve the current medical school curriculum in homeless care. Activities include: revising Problem Based Learning cases, providing first year students the opportunity to explore community health resources for the homeless, and the creation of new clinical experiences for third and fourth year students at established homeless clinics.

FROM: DOC-Dept of Commerce

1. DOC-National Oceanic & Atmospheric
"Insular Pacific Regional Research, Information Planning and Coordination"
Grau, E Gordon Sea Grant - SOEST
Develop a regional research and information plan for the insular Pacific by utilizing UH Sea Grant's capabilities to facilitate discussions among the broad range of insular Pacific stakeholders to help identify and prioritize critical resource management problems and associated research and information needs necessary for practical solutions.
2. DOC-National Oceanic & Atmospheric $16,500
"2007 Whale Sanctuary Interns"
Maynard, Sherwood D Marine Option Pgm - SOEST
MOP will recruit and employ an office assistant(s) and will engage
and monitor student interns who will assist the Hawaiian Islands
Humpback Whale National Marine Sanctuary conduct their education
and outreach programs.

3. DOC-National Oceanic & Atmospheric $32,487
"Reef Missions-Exploring Remote Underwater Habitats with
Autonomous Vehicles for Education"
Rivera, Malia Haw Inst Marine Bio-SOEST
To provide support for a marine education project utilizing an
autonomous underwater vehicle. Personnel will provide project
coordination, materials and supplies for developing education
packages and in-the field support.

4. DOC-National Oceanic & Atmospheric $45,000
"MOBY Shore Support at UH Marine Center"
Taylor, Brian Sch Ocean,Earth Sci & Tec
Provide outdoor storage area, utilities, and other support services to
MOBY at the UH Marine Center.

FROM: DOI-Dept of Interior
1. DOI-Dept of Interior $16,137
"University of Hawaii Participation in Vietnam PEPFAR"
Shikuma, Cecilia M School of Medicine
Train Vietnamese physicians in medical management of HIV infected
patients, assist in development of in-country HIV/AIDS treatment and
care.

2. DOI-Dept of Interior $201,923
"University of Hawaii Participation in Vietnam PEPFAR"
Shikuma, Cecilia M School of Medicine
Train Vietnamese physicians in medical management of HIV infected
patients, assist in development of in-country HIV/AIDS treatment and
care.

3. DOI-Fish & Wildlife $60,000
"Olinda Rare Plant Facility"
Kaneshiro, Kenneth Y Pacific Biosciences Research
Assist in ex situ aspects of the recovery of endangered and
threatened plants and other declining plant species as part of a
larger strategy to reintroduce species back into suitable protected
and managed habitat. Facility will also provide host plants for Maui
and Oahu tree snails for captive propagation.

4. DOI-Geological Survey $22,000
"Biodiversity Research Program"
Sakamoto, Clyde Maui CC
This cooperative agreement will allow US Geological Survey to
co-locate at Maui Community College and involve students, faculty
and staff to participate in biodiversity research and field work.

5. DOI-Nat'l Park Service $69,000
"Documentation of the Aiopio Fishtrap Outer Wall, Including
Construction Stabilization Techniques"
Duffy, David Botany
Continue stabilization and documentation of the Aiopio Fishtrap
Outer Wall, specifically the west and east sections.
FROM: ED-Dept of Education

1. ED-Dept of Education $423,916
   "PALS: Program for After School Literacy Support"
   Ah Sam, Anna L F Office of Student Affairs
   PALS will address the literacy needs of Native Hawaiian children in grades 3 to 6 in "restructuring" schools by examining the effectiveness of specific literacy interventions on student No Child Left Behind-related achievement outcomes.

2. ED-Dept of Education $5,500
   "Linking Quality Teacher Preparation for Higher Achievement in Secondary Science & Mathematics"
   Chattergy, Virgie O College of Education
   Recruit and prepare high quality teachers in science and mathematics from among paraprofessionals, recent graduates, mid-career professionals and emergency hired teachers.

3. ED-Dept of Education $500,000
   "Strengthening Hawaiian Studies Access and Academic Quantity"
   Dykstra, Douglas Hawaii CC
   Rural district distance education and support: Curriculum resource development, interdisciplinary collaborative on new course development.

4. ED-Dept of Education $30,000
   "An Amendment to 'An Evaluation of the Nanakuli, Pearl City, and Waipahu (NPW) Complexes' NCLB Consolidated Grant in 2005-06"
   Higa, Terry Ann College of Education
   The evaluators will study the implementation and outcomes of project activities in 2005-06 and 2006-07. The evaluators will develop a multi-year evaluation plan, select appropriate data for use in the evaluation and develop data-collection methods as needed.

5. ED-Dept of Education $32,000
   "A Final Year Evaluation of the North Complex's NCLB Consolidated Grants Project"
   Higa, Terry Ann CRDG
   The evaluation will be based on existing data for three project years (2003-04 through 2005-06). Data will be examined for evidence of extent and quality of implementation and outcomes. Deliverables will include data-collection instrument(s) and final report. A database of the data will be designed and developed.

FROM: National Science Foundation

1. National Science Foundation $95,266
   "UH Oceanographic Instrumentation 2006"
   Taylor, Brian Sch Ocean,Earth Sci & Tec
   Oceanographic equipment for research vessel.

2. National Science Foundation $893,100
   "UH Ship Operations 2005-2009"
   Taylor, Brian Sch Ocean,Earth Sci & Tec
   Federal support of UH ship operations.
### FROM: Hawaii- Government Agencies

1. **CCH-Dept of Parks & Recreation**
   - "Support for a Coordinator for the Coordinating Group on Alien Pest Species"
   - Duffy, David Botany
   - Continue support of the coordination of CGAPS.
   - Amount: $5,400

2. **County of Hawaii**
   - "Floral and Nursery Industry Strategic Plan Implementation"
   - Kawabata, Andrew Coll, Trop Ag & Human Res
   - Organizational development assistance to the floral and nursery industry to establish a statewide umbrella organization to meet the collective needs of these agricultural industries.
   - Amount: $5,000

3. **County of Hawaii**
   - "Provision of Community Outreach and Community Liaison Service to the County in the Kohala Region"
   - Peck, Sara Sea Grant - SOEST
   - Provision of community outreach and community liaison service to the County of Hawaii in the Kohala region of the Big Island.
   - Amount: $16,741

4. **County of Maui**
   - "Civil Defense Grants Manager/Training Coordinator"
   - Robinson, Suzette Maui CC
   - Oversee the execution & management of the State Homeland Security Grant Program and coordinate & oversee the development & delivery of training & strategic planning activities.
   - Amount: $120,000

5. **DOH-Child & Adolescent Mental Health Division**
   - "Family Story Video: Promoting Community Collaboration in Early Childhood Social Emotional Issues-Video 3"
   - Iwaishi, Louise K Pediatrics- MED
   - Medical Home Works! Will produce a second Family Story Video up to 15 minutes in length according to the agreed upon template by providing: pre-production planning, production activities, post-production activities and completed design for two education guides. Additionally, service include dved replication (1000) and printing of companion materials.
   - Amount: $20,000

6. **DOH-Child & Adolescent Mental Health Division**
   - "Family Story Video: Promoting Community Collaboration in Early Childhood Social Emotional Issues-Video 2"
   - Iwaishi, Louise K Pediatrics- MED
   - Medical Home Works! Will produce a second Family Story Video up to 15 minutes in length according to the agreed upon template by providing: pre-production planning, production activities, post-production activities and completed design for two education guides. Additionally, service include dved replication (1000) and printing of companion materials.
   - Amount: $24,999

7. **Halau Ku Mana Public Charter School**
   - "Mana Moali - Halau Ku Mana Native Hawaiian Education Grant"
   - Yuen, JoAnn Center on Disability Studies
   - Creating Futures shall provide curriculum development, documentation and testing through observation and writing and support for teacher training and professional development for Lo'I and Kaikaina I and II modules.
   - Amount: $58,400
8. Hawaii Tourism Authority
"Hawaiian Culture Program - 'Ho'okipa Me Ke Aloha' - Hospitality With Aloha"
Umehira, Ron Kapiolani CC
"Ho'okipa Me Ke Aloha" is a professional training program which provides applicable knowledge about Hawaii's history, culture, values, language and hospitality for visitor industry employees. These employees will learn basic Hawaiian greetings and customer service through specially created custom materials through four two-hour courses.

9. Hawaii-Dept of Education
"Evaluation Services for the Kapolei Rendezvous with Investigation Math and Inquiry Project"
Afaga, Lorna CRDG
Provide services for the Rendezvous with Investigation Math and Inquiry Project of the Kapolei Complex to evaluate implementation and data for its intended outcome.

10. Hawaii-Dept of Education
"Expanding Pathways to Hawaii's Leadership"
Roberts, Stacey B. Educational Admin
The Contractor, through its College of Education, will provide lecturers, academic courses, research reviews, internal evaluation and supervision of external evaluation of the grant to support the development and implementation of a leadership preparation program for Hawaii's public schools.

11. Hawaii-Dept of Education
"Statewide Improvement Grant Part II"
Stodden, Robert A Center on Disability Studies
Provide specialty areas of expertise, material, product and web site development to support demonstration, replication, and information dissemination activities. Responsible to coordinate and complete evaluation activities; production, development and dissemination of information and materials; monitor electronic communication systems and websites.

12. Hawaii-Dept of Health
"HIV/AIDS Education"
Goshima, Cyril Psychiatry- MED

13. Hawaii-Dept of Human Services
"Food Stamp Nutrition Education - UH/CES"
Kanehiro, Naomi A Coll, Trop Ag & Human Res
Project priorities are to explore practical ways to influence positive nutrition behaviors and to interactively deliver nutrition education services for food stamp participants and those eligible to participate.

14. Hawaii-Dept of Land & Natural Resources
"Project Coordinator for the Kohala Watershed Partnership"
Duffy, David Botany
Hire a coordinator for the recently formed Kohala Watershed Partnership to be dedicated to implementing the Kohala Watershed management plan.
<table>
<thead>
<tr>
<th>15. Hawaii-Dept of Transportation</th>
<th>$89,254</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;DUI Court Monitoring Project&quot;</td>
<td></td>
</tr>
<tr>
<td>Dykstra, Douglas</td>
<td>Hawaii CC</td>
</tr>
<tr>
<td>DUI 3rd Circuit Court monitoring activities which seek to engage the court system and the community in constructive dialogue by plotting trends in punishment and case outcomes and sharing its results to improve the overall criminal justice system's adjudication of the DUI offender.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>16. Hawaii-Dept of Transportation</th>
<th>$147,686</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Motorcycle Safety Education Program Expansion&quot;</td>
<td></td>
</tr>
<tr>
<td>Tagawa, Michael</td>
<td>Leeward CC</td>
</tr>
<tr>
<td>Expand training opportunities by developing new training site and purchasing equipment and training personnel for that site. Enhance Hilo and Maui training sites through purchase of new replacement equipment. Address safety concerns by purchase of sweeper and helmets.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>17. Hawaii-Executive Office on Aging</th>
<th>$172,528</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Aging and Disability Resource Center&quot;</td>
<td></td>
</tr>
<tr>
<td>Lum, Wesley</td>
<td>School of Social Work</td>
</tr>
<tr>
<td>To be the Aging and Disability Resource Center state-level project leader.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>18. Hawaii-Executive Office on Aging</th>
<th>$50,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Caregivers Resource Initiative&quot;</td>
<td></td>
</tr>
<tr>
<td>Lum, Wesley</td>
<td>School of Social Work</td>
</tr>
<tr>
<td>To assist the Executive Office on Aging and Area Agencies on Aging to develop programs to support family caregivers of frail elders.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>19. Hawaii-State Foundation on Culture &amp; the Arts</th>
<th>$50,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;SCEP - Presenting and Touring Access&quot;</td>
<td></td>
</tr>
<tr>
<td>Slaughter, Timothy R</td>
<td>Outreach College</td>
</tr>
<tr>
<td>Touring and presenting artistic and cultural lecture-demonstrations to organizations throughout the state.</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>1. Coalition for a Drug Free Hawaii</th>
<th>$57,500</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Drug and HIV Prevention for Minority Girls&quot;</td>
<td></td>
</tr>
<tr>
<td>Kameoka, Velma A</td>
<td>Social Science Rsrch Inst</td>
</tr>
<tr>
<td>Amendment for the Year 04 scope of services and budget of the original contract. Please refer to attached MOA and budget.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. HCF-Hawaii Community Foundation - General</th>
<th>$1,873</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Cessation Program for Korean Immigrants in Hawai'i-World Conference on Tobacco and Health&quot;</td>
<td></td>
</tr>
<tr>
<td>Lee, Hye-ryeon</td>
<td>Speech</td>
</tr>
<tr>
<td>This is to request training grant to fund Ms. Sujung Kim, who is a cessation counselor for the Korean Health Promotion Project at the University of Hawaii, to attend the World Conference on Tobacco and Health to be held in Washington D.C. between July 12 and 15.</td>
<td></td>
</tr>
</tbody>
</table>

**FROM: Hawaii- Business and Other**

<table>
<thead>
<tr>
<th>1. Alu Like</th>
<th>$60,059</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;2006 Fishery Observer Preparation&quot;</td>
<td></td>
</tr>
<tr>
<td>Maynard, Sherwood D</td>
<td>Marine Option Pgm - SOEST</td>
</tr>
<tr>
<td>MOP will collaborate with Alu Like Maritime Stewardship staff to prepare individuals in marine life identification, safety at sea and related topics to pursue ocean careers.</td>
<td></td>
</tr>
</tbody>
</table>
2. CTA Hawaii Inc. $65,009
"Mass Medication Clinic (MMC) Patient Medical Assistant (PMA) System Training Initiative"
Garshnek, Victoria Dean's Office- MED
In a biological attack or disease outbreak medication needs to be rapidly and safely distributed to a population. We propose to train volunteers in the use of technology including use of Personal Digital Assistants to improve efficiency and safety of medication distribution. Efficiency (time) and error rates will be measured and compared with rates using a paper tracking method.

3. Olelo Community Television $433,096
"An Educational Access Plan for the Year 2006"
Okimoto, Hae K Info Technology Services
Produce courses and programs for the public access channel, Oceanic 55.

4. Papa Ola Lokahi $12,003
"Imi Hale Native Cancer Research and Training Network"
Gotay, Carolyn C Cancer Research Center
Provide technical assistance for the Imi Hale Program.

FROM: Hawaii- Health Organizations
1. Univ Health Group $32,077
"Quentin N. Burdick Rural Health Interdisciplinary Program"
Shoultz, Janice E School of Nursing
Project Direction of Quentin N. Burdick Rural Interdisciplinary Program to train and recruit health science students to work in rural areas of Hawaii.

FROM: Mainland- Associations, Foundation, Soc, etc.
1. National Marine Sanctuary Foundation $121,128
"AMENDMENT 003 to MOA 2005-008: Developing strategies that support ongoing and future B-WET Outreach and Education Initiatives"
Leong, Jo-Ann Haw Inst Marine Bio-SOEST
Develop a comprehensive education plan for B-WET Hawaii and assess existing B-WET practices and applicability of Chesapeake and Monterey Bay programs to Hawaii.

FROM: Mainland- Other
1. Dance USA $10,000
"Guest Choreographer Bebe Miller"
Fisher, Elizabeth Theatre & Dance
The grant application is to fund the residency of guest choreographer, Bebe Miller, at UHM. She will stage her work, "Blessed," for student dancers to perform at Kennedy Theatre. Miller will also conduct outreach activities on Oahu and Maui.

2. Dolphin Quest $15,000
"Foraging Ecology of Pantropical Spotted Dolphins (Stenella Attenuata) in Hawaiian Waters"
Au, Whitlow Haw Inst Marine Bio-SOEST
Perform research on the prey-field spotted dolphin interaction.
FROM: U.S. Universities and Colleges

1. Northern Illinois Univ $44,815
   "The Southeast Asia Digital Library"
   Barnard, Rohayati Library Services
   Library Services, shall, provide services in accordance with the Projects’ Technological Innovation for Foreign Information Access Competition 2005-2009 Partnership Statement. Library Services will coordinate arrangements with television program producers in Indonesia allowing the Southeast Asia Digital Library to purchase copies for prominent current events television programs.

2. Univ of California- Davis $53,670
   "Western IPM Center Regional Comments Coordinator for the American-Affiliated Pacific Islands"
   Kawate, Michael K Plant & Environmental
   To inform stakeholders in the American Pacific about impending pesticide regulatory actions; to solicit stakeholders’ responses and comments to US EPA and USDA requests for information about pesticide use and impacts of proposed regulatory changes.

3. Univ of Washington $6,994
   "Northwest Alliance Access"
   Stodden, Robert A Center on Disability Studies
   Review promising practices and disability stats related to people with disabilities pursuing sciences and technology studies and careers.

4. Wake Technical Comm College $26,249
   "National Center of Excellence for High Performance Computing Technology (NCEHPCT)"
   Kruse, Daniel Maui CC
   Prepare community college students for technical positions in high performance computing, establish skills standards, conduct community college outreach, develop HPCT certification examination and maintain national website

5. Western Washington University $8,550
   "Student in Service (SIS)"
   Pascua, Atina T Office of Student Affairs
   Provide opportunities for students to be involved in community service and service learning.

FROM: All Non-U.S.

1. Korea Foundation $12,750
   "Consuming Korean Culture in Early and Late Modernity"
   Shultz, Edward J South Asian Stud- SHAPS
   This workshop brings together historians of the colonial period with scholars of contemporary phenomena toward a historically nuanced understanding of the modern production and consumption of traditional culture in Korea.

2. Pohnpeian Department of Education $19,872
   "Pohnpeian State Program Development"
   Stodden, Robert A College of Education
   The scope of the FASEGP Evaluation will include (1) Planning & Development of the Evaluation Plan for the Pohnpei FASEGP; (2) Setting up data collection instruments process with Pohnpei FASEGP Proj. Director and Coordinator, whom will be responsible for data collection; (3) Review, synthesis and reporting on the evaluation data to aid ongoing decision-making.
FROM: Miscellaneous

1. Center for Tropical and Subtropical Aquaculture
   "National Aquaculture Extension Conference"
   Szyper, James P  Sea Grant - SOEST
   Testing growth performance of local commercial tilapia stocks against imported stocks; genetic analysis of all stocks; development and communication of good management practices for breeding and production culture.
   $11,249

2. 'Ohu 'Ohu Ko'olau, Inc.
   "Ko'olau Mountains Watershed Partnership (KMWP) Priority Area Invasive Weed Surveys"
   Duffy, David  Botany
   Support the Ko'olau Mountains Watershed Partnership's invasive weed surveys.
   $47,529
Funds Received from UH Foundation

NON-RESEARCH AWARDS

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

1. Univ of Hawaii Foundation
   "Laila Art Fellows"
   Chan, Gaye M       College of Arts & Humanities
   Transfer funds to pay Laila Art Fellows their monthly stipends
   $12,000

2. Univ of Hawaii Foundation
   "Coastal Mapping Project"
   Fletcher, Charles H  Geology & Geophys - SOEST
   This project will create an accurate detailed and accessible data
   base of historical shoreline change for the sandy shoreline of Oahu.
   The data will enable stakeholders to make informed decisions to
   minimize hazards and encourage sustainable development of the
   coastal zone, while maximizing preservation and restoration of beach
   resources.
   $25,000

3. Univ of Hawaii Foundation
   "Contemporary Challenges in Microbial Oceanography"
   Karl, David M      Oceanography - SOEST
   To train the next generation of scientists in the discipline of microbial
   oceanography.
   $529,568

4. Univ of Hawaii Foundation
   "Lyon Arboretum"
   Morden, Clifford W     Lyon Arboretum
   Funds provided for the groundskeeping operations of the Lyon
   Arboretum, including the salary and benefits of greenhouse
   associate and groundskeeper and associate director of the
   education program.
   $1,000

5. Univ of Hawaii Foundation
   "Manoa: A Pacific Journal of International Writing"
   Stewart, R Frank       English
   Support for staff position.
   $2,000

6. Univ of Hawaii Foundation
   "Respiratory Health"
   Tam, Elizabeth K       School of Medicine
   Teach General Internal Medicine Ambulatory and inpatient care to
   medical students and medical residents; assist in clinical research;
   provide consultative care in inflammatory/immunologic diseases;
   develop/evaluate training programs.
   $37,753
### SUMMARY

**EXTRAMURAL RESEARCH AWARDS, SEPTEMBER, 2006**

**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>34</td>
<td>$6,397,304</td>
<td>12.27</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>14</td>
<td>$10,181,031</td>
<td>19.52</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>25</td>
<td>$11,954,097</td>
<td>22.92</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>12</td>
<td>$9,059,125</td>
<td>17.37</td>
</tr>
<tr>
<td>DOE-Dept of Energy</td>
<td>1</td>
<td>$25,000</td>
<td>0.05</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>24</td>
<td>$2,136,437</td>
<td>4.10</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>18</td>
<td>$4,938,514</td>
<td>9.47</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>6</td>
<td>$584,922</td>
<td>1.12</td>
</tr>
<tr>
<td>Independent Federal Agencies- Minor</td>
<td>2</td>
<td>$2,797,000</td>
<td>5.36</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>7</td>
<td>$841,564</td>
<td>1.61</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>2</td>
<td>$236,691</td>
<td>0.45</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>5</td>
<td>$121,247</td>
<td>0.23</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>19</td>
<td>$917,802</td>
<td>1.76</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>13</td>
<td>$1,728,640</td>
<td>3.31</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>4</td>
<td>$160,000</td>
<td>0.31</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>2</td>
<td>$79,262</td>
<td>0.15</td>
</tr>
<tr>
<td></td>
<td><strong>188</strong></td>
<td><strong>$52,158,636</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
## EXTRAMURAL NON-RESEARCH AWARDS, SEPTEMBER, 2006

### 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>1</td>
<td>$450,347</td>
<td>5.64</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>7</td>
<td>$1,827,041</td>
<td>22.88</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>4</td>
<td>$343,987</td>
<td>4.31</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>5</td>
<td>$369,060</td>
<td>4.62</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>5</td>
<td>$991,416</td>
<td>12.41</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>2</td>
<td>$988,366</td>
<td>12.38</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>19</td>
<td>$1,369,081</td>
<td>17.14</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>8</td>
<td>$666,694</td>
<td>8.35</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>4</td>
<td>$570,167</td>
<td>7.14</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>1</td>
<td>$32,077</td>
<td>0.40</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>1</td>
<td>$121,128</td>
<td>1.52</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>2</td>
<td>$25,000</td>
<td>0.31</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>5</td>
<td>$140,278</td>
<td>1.76</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>2</td>
<td>$32,622</td>
<td>0.41</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>2</td>
<td>$58,778</td>
<td>0.74</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>68</strong></td>
<td><strong>$7,986,042</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
### YEAR-TO-DATE SUMMARY

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

**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>7</td>
<td>$1,350,917</td>
<td>3.22</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>26</td>
<td>$5,628,071</td>
<td>13.40</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>5</td>
<td>$564,834</td>
<td>1.34</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>5</td>
<td>$1,474,501</td>
<td>3.51</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>5</td>
<td>$369,060</td>
<td>0.88</td>
</tr>
<tr>
<td>DOL-Dept of Labor</td>
<td>2</td>
<td>$3,769,600</td>
<td>8.97</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>40</td>
<td>$16,529,815</td>
<td>39.35</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>2</td>
<td>$41,350</td>
<td>0.10</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>4</td>
<td>$1,378,744</td>
<td>3.28</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>5</td>
<td>$120,000</td>
<td>0.29</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>37</td>
<td>$2,636,558</td>
<td>6.28</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>20</td>
<td>$995,465</td>
<td>2.37</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>21</td>
<td>$3,800,212</td>
<td>9.05</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>6</td>
<td>$1,174,994</td>
<td>2.80</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>5</td>
<td>$210,738</td>
<td>0.50</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>1</td>
<td>$196,000</td>
<td>0.47</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>8</td>
<td>$236,362</td>
<td>0.56</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>10</td>
<td>$193,957</td>
<td>0.46</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>3</td>
<td>$1,279,269</td>
<td>3.05</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>2</td>
<td>$58,778</td>
<td>0.14</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>214</strong></td>
<td><strong>$42,009,225</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
YEAR-TO-DATE SUMMARY
EXTRAMURAL NON-RESEARCH AWARDS, JULY-SEPTEMBER, 2006
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>7</td>
<td>$1,350,917</td>
<td>3.22</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>26</td>
<td>$5,628,071</td>
<td>13.40</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>5</td>
<td>$564,834</td>
<td>1.34</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>5</td>
<td>$1,474,501</td>
<td>3.51</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>5</td>
<td>$369,060</td>
<td>0.88</td>
</tr>
<tr>
<td>DOL-Dept of Labor</td>
<td>2</td>
<td>$3,769,600</td>
<td>8.97</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>40</td>
<td>$16,529,815</td>
<td>39.35</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>2</td>
<td>$41,350</td>
<td>0.10</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>4</td>
<td>$1,378,744</td>
<td>3.28</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>5</td>
<td>$120,000</td>
<td>0.29</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>37</td>
<td>$2,636,558</td>
<td>6.28</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>20</td>
<td>$995,465</td>
<td>2.37</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>21</td>
<td>$3,800,212</td>
<td>9.05</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>6</td>
<td>$1,174,994</td>
<td>2.80</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>5</td>
<td>$210,738</td>
<td>0.50</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>1</td>
<td>$196,000</td>
<td>0.47</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>8</td>
<td>$236,362</td>
<td>0.56</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>10</td>
<td>$193,957</td>
<td>0.46</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>3</td>
<td>$1,279,269</td>
<td>3.05</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>2</td>
<td>$58,778</td>
<td>0.14</td>
</tr>
</tbody>
</table>

214 $42,009,225 100.00
Awards Received by University of Hawaii at Hilo

RESEARCH AWARDS

FROM: DOA-Dept of Agriculture

1. DOA-Dept of Agriculture $15,800
   “Support of Agriculture Research FY 07”
   Norman Stahl UHH-Agriculture

FROM: DHHS-Dept of Health and Human Services

1. DHHS-Dept of Health and Human Services 710,946
   “Biomed Research UHH - Yr 35”
   Daniel Brown UHH-Natural Sciences

FROM: DOI-Dept of Interior

1. DOI-Dept of Interior $30,000
   “UHH Tropical Montane Cloud Forest”
   Sharon Ziegler-Chong UHH-Aquaculture

2. DOI-Dept of Interior $69,128
   “Unit Support/General Activities 04”
   Sharon Ziegler-Chong UHH-Aquaculture

3. DOI-Dept of Interior $41,600
   “UHH Hawaiian Vegetation Mapping Project”
   Sharon Ziegler-Chong UHH-Aquaculture

4. DOI-Dept of Interior $13,500
   “UHH Suppression Alien Yellow Jackets”
   Sharon Ziegler-Chong UHH-Aquaculture

5. DOI-Dept of Interior $20,000
   “Baseline Inventory of Coral Health and Reef Composition of Kohanaku Reef”
   Jim Beets UHH-Natural Sciences

6. DOI-Dept of Interior $3,175
   “UHH Endangered Plant Species - Hawaii Volcano National Park (HVNP)”
   Sharon Ziegler-Chong UHH-Aquaculture

7. DOI-Dept of Interior $19,388
   “Protocol Development for Monitoring Marine Fish”
   Jim Beets UHH-Natural Sciences
FROM: NSF-Nat'l Science Foundation

1. NSF-Nat'l Science Foundation $9,016
   "Fire Risk and Ecological Integrity in the Wildland Urban Interface of Colorado Front Range"
   Rosemary Sherriff  UHH-Social Sciences

NON-RESEARCH AWARDS

FROM: DOA-Dept of Agriculture

1. DOA-Dept of Agriculture $1,538,345
   "UH Agribusiness Education, Training and Incubator Project FY 2007"
   William Sakai  UHH-Agriculture

FROM: ED-Dept of Education

1. ED-Dept of Education $397,788
   "English Language Acquisition: Professional Development 07"
   Keiki Kawaiaea  UHH-Hawaiian Studies

2. ED-Dept of Education 1,051,815
   "YR 1 Education Native Hawaiians: Pathways 07"
   David Sing  UHH- Director's Office

3. ED-Dept of Education $288,383
   "Upward Bound Math and Science 07"
   "Upward Bound Math and Science Rm/Brd/Meals 07"
   Cornelia Anguay  UHH-Upward Bound

FROM: DHHS-Dept of Health and Human Services

1. DHHS-Dept of Health and Human Services $133,983
   "Mentoring/Career Development in PTSD Services Research"
   B. Christopher Frueh  UHH-Social Sciences

2. DHHS-Dept of Health and Human Services $250,000
   "Minority Health Youth Empowerment Grant Program"
   Errol Yudko  UHH-Social Sciences

FROM: NSF-Nat'l Science Foundation

1. NSF-Nat'l Science Foundation $341,277
   "LSAMP: Island of Opportunity Alliance/Participant Support"
   Rose Tseng  UHH-Chancellor's Office
## UNIVERSITY OF HAWAII AT HILO SUMMARY

### EXTRAMURAL RESEARCH AWARDS, SEPTEMBER 2006 - SEPTEMBER 2006

#### 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>1</td>
<td>$15,800</td>
<td>2.00</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>1</td>
<td>$710,946</td>
<td>76.00</td>
</tr>
<tr>
<td>DOI- Dept of Interior</td>
<td>7</td>
<td>$196,791</td>
<td>21.00</td>
</tr>
<tr>
<td>NSF-Nat'l Science Foundation</td>
<td>1</td>
<td>$9,016</td>
<td>1.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>10</strong></td>
<td><strong>$932,553</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>


# UNIVERSITY OF HAWAII AT HILO SUMMARY

## EXTRAMURAL NON-RESEARCH AWARDS, SEPTEMBER 2006 - SEPTEMBER 2006

### 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>1</td>
<td>$1,538,345</td>
<td>38.00</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>3</td>
<td>$1,737,986</td>
<td>43.00</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>2</td>
<td>$383,983</td>
<td>10.00</td>
</tr>
<tr>
<td>NSF-Nat'l Science Foundation</td>
<td>1</td>
<td>$341,277</td>
<td>9.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>7</strong></td>
<td><strong>$4,001,591</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

EXTRAMURAL RESEARCH AWARDS, JULY 2006 - SEPTEMBER 2006

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>2</td>
<td>$30,800</td>
<td>1.00</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>2</td>
<td>$1,477,242</td>
<td>51.00</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>15</td>
<td>$802,207</td>
<td>28.00</td>
</tr>
<tr>
<td>NSF-Nat'l Science Foundation</td>
<td>3</td>
<td>$549,516</td>
<td>19.00</td>
</tr>
<tr>
<td>Hawaii Business and Other</td>
<td>1</td>
<td>$30,000</td>
<td>1.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>23</strong></td>
<td><strong>$2,889,765</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
UNIVERSITY OF HAWAII AT Hilo YEAR-TO-DATE SUMMARY

EXTRAMURAL NON-RESEARCH AWARDS, JULY 2006 -SEPTEMBER 2006

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>1</td>
<td>$1,538,345</td>
<td>25.00</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>8</td>
<td>$3,534,003</td>
<td>58.00</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>3</td>
<td>$665,959</td>
<td>11.00</td>
</tr>
<tr>
<td>NSF-Nat'l Science Foundation</td>
<td>1</td>
<td>$341,277</td>
<td>6.00</td>
</tr>
<tr>
<td>Hawaii Government Agencies</td>
<td>1</td>
<td>$20,000</td>
<td>0.00</td>
</tr>
<tr>
<td>Hawaii Business and Other</td>
<td>1</td>
<td>$6,300</td>
<td>0.00</td>
</tr>
<tr>
<td>Hawaii Association, Foundation &amp; Societies</td>
<td>1</td>
<td>$9,133</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
<td><strong>$6,115,017</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>

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 AT MĀNOA

Executive

CUTSHAW, KATHLEEN
Interim Vice Chancellor (Admin, Finance and Operations), UHM
Reappointment

UNIVERSITY OF HAWAI'I AT HILO

Emeritus

HAPAI, MARLENE
Professor, I5 Biology
Upon Approval by the Board
RESIGNATIONS AND RETIREMENTS OF BOARD OF REGENTS’ APPOINTEES

Resignations

ANDAYA, JANUARY MAY
Research Support
(Research Support Staff)
Dean’s Office
University of Hawai‘i at Mānoa
July 15, 2006

BOMBERGER, E. DOUGLAS
Professor
Music
University of Hawai‘i at Mānoa
July 31, 2006

CHANG, KELLIE J.Y.
Enterprises Operations
(Assistant Bookstore Manager)
Bookstore System
University of Hawai‘i at Mānoa
June 26, 2006

CHEN, TAI-HO
Assistant Professor
Family Medicine and Community Health
University of Hawai‘i at Mānoa
June 30, 2006

DAY, LARRY J. JR.
Assistant Professor
Medicine
University of Hawai‘i at Mānoa
June 30, 2006

FRATTARELLI, LEIGHANN C.
Assistant Professor
Obstetric, Gynecology and Women’s Health
University of Hawai‘i at Mānoa
June 30, 2006
GORA, LAWRENCE K.
Academic Support
(Educational Specialist)
Curriculum Studies
University of Hawai‘i at Mānoa
June 30, 2006

GUO, QITAO
Associate Professor
History
University of Hawai‘i at Mānoa
July 31, 2006

MAZUR, MICHELLE ANN
Assistant Professor
Speech
University of Hawai‘i at Mānoa
July 31, 2006

NAKAOKA, SUSAN
Junior Specialist
School of Social Work
University of Hawai‘i at Mānoa
August 9, 2006

OGNJANOVIC, SIMONA
Junior Researcher
Cancer Research Center of Hawai‘i
University of Hawai‘i at Mānoa
July 31, 2006

PAEK, YOUNGHEE N.
Academic Support
(Educational Specialist)
Curriculum Studies
University of Hawai‘i at Mānoa
June 30, 2006

PARK, DARREN
Junior Researcher
Cancer Research Center of Hawai‘i
University of Hawai‘i at Mānoa
July 26, 2006
PIERSON, CHARON A.
Assistant Professor
Geriatric Medicine
University of Hawai‘i at Mānoa
June 30, 2006

SEYMOUR, PATRICIA JEAN
Instructor
Allied Medical Sciences/
Speech Pathology and Audiology
University of Hawai‘i at Mānoa
July 31, 2006

TAKASHIGE, CHERYL
Instructional & Student Support
(Early Childhood Specialist)
UHM Children’s Center
University of Hawai‘i at Mānoa
July 7, 2006

TREMBLAY, MICHELLE N.
Research Support
(Research Associate)
Plant & Environmental Protection Sciences
University of Hawai‘i at Mānoa
July 21, 2006

WATSON, JOSHUA C.
Instructional & Student Support
(Educational Associate)
Curriculum Research & Development Group
University of Hawai‘i at Mānoa
July 31, 2006

YANG, GUOBIN.
Assistant Professor
Sociology
University of Hawai‘i at Mānoa
July 31, 2006

YOKOTA, JAN S.
Director of Capital Improvements
Office of Capital Improvement
University of Hawai‘i, System
July 4, 2006
Retirements

KING, PAULINE N.
Professor
History
University of Hawai‘i at Mānoa
July 31, 2006

KIRIMITSU, WALTER S.
VP Legal Affairs & University General Counsel
Office of the Vice President of Legal Affairs
and University General Counsel
University of Hawai‘i, System
June 30, 2006

KLOBE, THOMAS
Professor
Art & Art History
University of Hawai‘i at Mānoa
June 30, 2006

SHINSATO, ALLEN K.
Institutional Support
(Fiscal Officer)
Administrative Services
University of Hawai‘i at Mānoa
July 31, 2006

TANABE, GEORGE J. JR.
Professor
Religion
University of Hawai‘i at Mānoa
June 30, 2006

TANABE, WILLA JANE
Professor & Chair
Art & Art History
University of Hawai‘i at Mānoa
July 31, 2006
Retirements of Civil Service Employees

CHOCK, SARAH Y.  
Secretary II  
Ethnic Studies  
University of Hawai‘i at Mānoa  
August 31, 2006

KIKUTA, KATHLEEN H.  
Secretary IV  
School of Ocean, Earth Science & Tech  
University of Hawai‘i at Mānoa  
June 30, 2006

SASAHARA, JANE I.  
Private Secretary II  
Chancellor’s Office  
Kaua‘i Community College  
August 31, 2006

SONODA, CAROLE H.  
Clerk Typist III  
Financial Aid Services  
University of Hawai‘i at Mānoa  
July 31, 2006

**************************

David McClain  
President