BOARD OF REGENTS’ MEETING

Date:  October 23, 2008  
Time:  9:10 a.m.
Place:  Maui Community College  
Laulima #105  
310 Ka‘ahumanu Ave.  
Kahului, Hawai‘i  96732

AGENDA

I.  Call Meeting to Order

II.  Approval of Meeting Minutes of July 23, 2008 and August 22, 2008

III.  Public Comment Period:  Individuals may orally testify on items on this agenda either during the Public Comment Period or when the agenda item is taken up by the Board. Please call the Board Office prior to the meeting or notify the Secretary of the Board at the meeting site. Written testimony is also accepted.

IV.  Report of the President

V.  Items for Board Action:

University of Hawai‘i - Mānoa
1.  Approval of Regents’ Medal of Distinction
2.  Approval of the Establishment of the Accuity, LLP Accounting Faculty Fellowship Endowment, Shidler College of Business
3.  Approval of the Establishment of the Barbara Cox Anthony Chair in Aging

UH System
4.  Approval to Extend the Consulting Contract of The Implementation Group
5.  Approval of University of Hawai‘i Operating Budget
6.  Briefing on Non-Resident Enrollment Policy (information only)

VI.  Acceptance and Approval of Gifts, Grants and Contracts [Attachments A-1, A-2]

VII.  Approval of 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 B]

VIII.  Announcements

a.  Next Meeting of the Board:
   Date:  November 21, 2008
   Place:  Kaua‘i Community College
IX. Executive Session (closed to the public):

Personnel Actions Related to the Following Positions: (To discuss the following personnel matters pursuant to HRS §92-5(a)(2))
   a. Approval of Regents’ Medal of Distinction
   b. Update on Executive Searches

Legal and Real Estate Matters: (To consult with attorneys on powers, immunities, and liabilities pursuant to HRS §92-5(a)(4); To consider negotiations concerning acquisition of public property pursuant to HRS §92-5(a)(3)
   c. Status Report on Campus Developments (information only)

Collective Bargaining: (To discuss authority of persons conducting labor negotiations and conducting negotiations pursuant to HRS §92-5(a)(3))
   d. Collective Bargaining

Private Donations: (To consider matters relating to the solicitation and acceptance of private donations pursuant to HRS §92-5(a)(7))
   e. Donation for the Establishment of the Barbara Cox Anthony Chair in Aging

X. Adjournment
Gifts, Grants, and Contracts

The following gifts, grants and contracts received by all campuses except the University of Hawai'i at Hilo during the period August 1, 2008 through August 31, 2008 total $41,515,621. The University of Hawai'i at Hilo received a total of $4,704,166 during the same period.

Gifts, Grants and Contracts Received August 1 - 31, 2008

RESEARCH AWARDS

FROM: DA-Dept of Agriculture

1. DA-Cooperative State Research Service $34,425
   "Identifying Resistance and Quality Loci in Maize Using CTAHR's Near-Isogenic Lines"
   Brewbaker, James L Tropical Plant & Soil Science
   We intend to identify and map genes in maize that control resistance to significant tropical diseases and that increase nutritional quality. The technique involves near-isogenic lines of a tropical parent inbred into which many mutant genes have been laboriously introduced during four decades of breeding in Hawaii.

2. DA-Cooperative State Research Service $32,443
   "Ecology and Management of Black Twig Borer on Coffee in Hawaii"
   Easton-Smith, Virginia Tropical Plant & Soil Science
   Investigate ecology of black twig borer in Hawaii coffee, trapping and sampling methods and cultural and biological options for management.

3. DA-Cooperative State Research Service $69,767
   "Developing Productivity Models and Silvicultural Guidelines for Growing and Managing the Native Hawaiian Hardwood Acacia Koa"
   Friday, James B Natural Resources &
   The goal for our research is to develop a rigorous understanding of the productivity of the native Hawaiian hardwood koa (Acacia koa) and to develop the silvicultural tools landowners need to effectively manage regeneration koa forests.

4. DA-Cooperative State Research Service $59,415
   "Detection, Distribution, and Etiological Roles of Badnaviruses in Hawaii"
   Hu, John Plant & Environmental Protection
   Development of assays to detect envasive badnaviruses in important food, fuel, or ornamental crops in Hawaii. Evaluate the transmissibility and etiological role of badnaviruses in pineapple and mealybug wilt.

5. DA-Cooperative State Research Service $73,274
   "Effects of Viral Suppressors of RNA Silencing in Sugarcane"
   Hu, John Plant & Environmental Protection
   Evaluation of virus-derived suppressors of silencing on the RNA silencing mechanism in sugarcane.
6. DA-Cooperative State Research Service
"Building Capacity Within the College of Tropical Agriculture and Human Resources to Provide Applied Research Services in Weed Management"
Leary, James College of Tropical Ag & Human
While many research initiatives appropriately strive for long-range goals and future technologies, this project will address a wide range of contemporary situations with applied research and extension for developing readily-adoptable and cost-effective outputs in weed management.

7. DA-Cooperative State Research Service
"An Integrated Approach for the Quality Improvement of Guava Puree and Kava Beverage by a Non-Thermal Dense Phase Carbon Dioxide Pasteurization"
Li, Yong Human Nutrition, Food & Animal
The project proposes to use PCR-DGGE to analyze microbial community dynamics in guava puree and kava beverage during storage.

8. DA-Cooperative State Research Service
"Survival, Recovery, and Quantification of Target Pathogenic Bacteria in Pineapple, Guava, and Orange Juices"
Li, Yong Human Nutrition, Food & Animal
The project proposes to investigate how pathogenic bacteria survive in pineapple, guava, and orange juices. It would study the recovery and detection of stressed bacterial cells in the acidic fruit juices.

9. DA-Cooperative State Research Service
"A Practical Phenotypic Marker for Early Determination of Sex in Papaya Seedlings"
Manshardt, Richard M Tropical Plant & Soil Science
The objective is to engineer a sex-linked genetic marker in papaya that will make it easy for growers to distinguish commercially valuable hermaphrodite plants in seedling nurseries before flowering. The net result will be papaya fruit production that starts earlier, lasts longer, and requires fewer inputs.

10. DA-Cooperative State Research Service
"Natural Enemies of Invasive Tephritid Fruit Flies: Evaluation of New Candidate Species"
Messing, Russell H Plant & Environmental Protection
We will conduct bionomics and host range studies, risk analyses, and field releases on two new parasitoids of tephritid fruit flies in Hawaii.

11. DA-Cooperative State Research Service
"Molecular Characterization of Disease Resistance Loci to Phytophthora in Carica Papaya"
Nishijima, Wayne T College of Tropical Ag & Human
We propose to use an F2 population derived from an F1 of the most tolerant Hawaiian cultivar, Kamiya, crossed with a highly susceptible cultivar, Sun Up, to evaluate genetic reaction to Phytophthora infection using a laboratory leaf inoculation, followed by a greenhouse inoculation assay, and ultimately in field trials and to identify molecular markers.
<table>
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<tr>
<th></th>
<th>DA-Cooperative State Research Service</th>
<th>$158,841</th>
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<tbody>
<tr>
<td>12.</td>
<td><strong>&quot;TPSS Critical Research Needs: Sustainable Farming Systems in Hawaii&quot;</strong></td>
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<td></td>
<td>Paull, Robert E Tropical Plant &amp; Soil Science</td>
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<td></td>
<td>Develop management strategies that optimize the human health value and flavor of short cycle crops by exploiting the links between secondary plant metabolism and biological farming practices.</td>
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<td>13.</td>
<td>DA-Cooperative State Research Service</td>
<td>$129,986</td>
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<td><strong>&quot;Construction of a Molecular Cytogenetic Map of Papaya Chromosomes&quot;</strong></td>
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<td>Paull, Robert E Tropical Plant &amp; Soil Science</td>
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<td>Our objectives are to assign linkage group of the papaya high density map to individual chromosomes by in situ hybridization of selected DNA markers. This cytogenetic map of papaya would reveal the relationship between papaya genetic and physical map and enhance the capacity for positional cloning of genes encoding important and novel traits.</td>
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<td>14.</td>
<td>DA-Cooperative State Research Service</td>
<td>$241,683</td>
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<td></td>
<td><strong>&quot;Hawaii Floriculture Research Grant - 2008&quot;</strong></td>
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<td></td>
<td>Vincent, Douglas L Coll, Trop Ag &amp; Human Res</td>
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<td>The floral and nursery crops industry in Hawaii, particularly in cut flowers, orchids and foliage is one of the fastest growing sectors of Hawaii's diversified agriculture. To remain competitive, problems and challenges facing Hawaii's floriculture industry are addressed through the research and development funded by this grant.</td>
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<td>15.</td>
<td>DA-Dept of Agriculture</td>
<td>$397,000</td>
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<td><strong>&quot;Anammox Activity and Nitrogen Dynamics in Flooded Taro Soils of Hawaii&quot;</strong></td>
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<td>Deenik, Jonathan Tropical Plant &amp; Soil Science</td>
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<td>The project will examine the impact of anammox activity on nitrogen dynamics in flooded taro agriculture and evaluate alternative nitrogen fertilization strategies to maximize N use efficiency.</td>
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<td>16.</td>
<td>DA-Dept of Agriculture</td>
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<td><strong>&quot;Genomic Barcoding of Phytopathogenic Bacteria Important to Hawaii Agriculture&quot;</strong></td>
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<td></td>
<td>Presting, Gernot Molecular Biosciences &amp;</td>
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<td>Generate DNA barcode database for native and invasive Hawaiian plants.</td>
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<td>17.</td>
<td>DA-Dept of Agriculture</td>
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<td><strong>&quot;A DNA Barcode Database for Invasive and Native Plant Species Identification in Hawaii&quot;</strong></td>
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<td>Presting, Gernot Molecular Biosciences &amp;</td>
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<td>Generate DNA barcode database for native and invasive Hawaiian plants.</td>
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<td>18.</td>
<td>DA-Dept of Agriculture</td>
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<td><strong>&quot;Luteal and Endometrial LH Receptor Function Modulated by PGE1, PGE2, PGF2α, LH, and Estrogen&quot;</strong></td>
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<td>Weems, Charles W Human Nutrition, Food &amp; Animal</td>
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<td>This proposal will provide data on how receptors for luteinizing hormone are regulated and their function modified in ovarian tissues (corpus luteum) and the uterine endometrium using female sheep as the animal model.</td>
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19. DA-Natural Resources Conservation Service (NRCS)  
   "$75,000
   "Rehabilitating Ex-urea and Ex-nematicide Addicts: Demonstrating How a Green Manure/solarization System Can Be Used to Improve Soil Health"
   Wang, Koon-Hui Plant & Environmental Protection
   Using cover crop and solar heat to suppress nematodes, weeds and insects in vegetable crops.

FROM: DOI-Dept of the Interior

1. DOI-Fish & Wildlife  
   "$286,754
   "Project Support for Invasive Species Committees and CGAPS Outreach Efforts"
   Duffy, David Botany
   Conduct early detection research and strategies for high risk invasive species. Support public awareness of invasive species through public outreach.

2. DOI-Fish & Wildlife  
   "$90,000
   "Conservation Biology of Federally Endangered Hawaiian Tree Snails: Captive Propagation Laboratory"
   Hadfield, Michael G Pacific Biosciences Research
   To continue the conservation effort in three areas (1) 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.

3. DOI-Geological Survey  
   "$55,565
   "Sensitivity of Pacific Island Tropical Montane Cloud Forests to Climate Change: Observing Climatic and Hydrological Process"
   Giambelluca, Thomas W Geography
   Conduct field measurements of hydrologically-sensitive canopy characteristics in forests below, within, and above the current fog zone in Hawaii. Develop a model of cloud water interception based on surface wind velocity, liquid water content of surface air, and canopy characteristics.

4. DOI-Nat'l Park Service  
   "$59,925
   "Fire Restoration Ecology Study in Lowland Grasslands"
   Daehler, Curtis C Botany
   Document fire effects on the lowland pili (Heteropogon contortus) grassland community in Hawaii Volcanoes National Park.

5. DOI-Nat'l Park Service  
   "$236,556
   "Research on Strategies to Restore Rare Plant Biodiversity: Phase I"
   Duffy, David Botany
   Continue stabilization or reintroduction of rare plant species targeted for management in the Hawaii Volcanoes NP.

6. DOI-Nat'l Park Service  
   "$30,000
   "Research and Education Strategies to Revegetate Disturbed Areas"
   Duffy, David Botany
   Monitor and evaluate results of the plant propagation and restoration methods conducted in Phase 1 of this project.
7. DOI-Natl Park Service

"Development of Efficient Vegetation Management Techniques within Kaloko-Honokohau National Historical Park for Cultural Resource Utilization"

Leary, James  
College of Tropical Ag & Human

This 2 year project will develop refined techniques in exotic weed removal and restoration of native plant communities of cultural significance and utility within Kaloko-Honokohau National Historical Park. Research and demonstration experiments will become established within the archeological sites D13-10 (50-10-27-2165 size: 1 ha and 50-10-27-2218 size: 4 ha).

FROM: DHHS-Dept of Health & Human Services

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<th>FROM</th>
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<th>Project Title</th>
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| 1. National Institutes of Health | $354,300 | "Brain Activation in Patients with Early HIV Dementia" | Chang, Linda  
School of Medicine |
To determine the effects of aging and HIV infection, and their interaction, on brain chemistry and function, using advanced MRI techniques.

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| 2. National Institutes of Health | $287,577 | "Parallel MI for High Field Neuroimaging" | Stenger, V. Andrew  
Medicine- MED |
This project is to develop and optimize the use of parallel transmitters for magnetic resonance imaging of the brain. We will produce new image acquisition methods that have reduced artifacts and improved accuracy. The methods will be validated in human studies of the brain.

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| 3. National Institutes of Health | $369,825 | "Intraspecies Transmission and Infectivity of Insectivore-Borne Hantaviruses" | Yanagihara, Richard T  
Pediatrics- MED |
The primary objective of the proposed research is to determine the transmission of a new hantavirus in shrews and the infectivity of this virus to humans.

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| 4. NIH-Natl Cancer Institute (NCI) | $678,279 | "Hawaii Minority-Based CCOP" | Cho, Jonathan  
Cancer Research Center |
Working through Hawaii community physicians and hospitals in the absence of a University hospital or Outpatient Clinic for treatment patients, this award makes National Cancer Institute-funded treatment and prevention studies available to Hawaii cancer patients and individuals at high-risk for developing cancer.

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| 5. NIH-Natl Cancer Institute (NCI) | $61,650 | "Interactions of Coenzyme Q10 with Plasma Tocopherols and their Role in Breast Cancer" | Cooney, Robert V  
Cancer Research Center |
This award seeks to determine the associations between plasma tocopherols and coenzyme Q10 with breast cancer and all-cause mortality in women. Utilizing 2,193 plasma samples ubiquinone and ubiquinol will be measured along with tocopherols and analyzed for their association with breast cancer incidence and mortality in two cohort, one from the Shanghai Study and a second group of samples from the Multiethnic Cohort.
6. NIH-Natl Cancer Institute (NCI)  
"Hawaii Colorectal Cancer Family Registry"  
Le Marchand, Loic  
Cancer Research Center  
To establish a family registry and biorepository for families at high colorectal cancer risk in Hawaii as part of the Cooperative Family Registry for Colorectal Cancer Studies.  
$72,036

7. NIH-Natl Cancer Institute (NCI)  
"Inflammatory Markers in a 2-year Soy Intervention Among Premenopausal Women"  
Maskarinec, Gertraud  
Cancer Research Center  
Form 8.  
$69,200

8. NIH-Natl Center for Research Resources (NCRR)  
"Cellular Basis of Immunological and Neurological Disease"  
White, Lon  
School of Medicine  
To enhance the State of Hawaii's biomedical research capacity, permitting development of improved access to biomedical research infrastructure for all institutions in Hawaii.  
$2,320,833

9. NIH-Natl Inst of Neurological Disorders & Stroke  
"HIV and Global Drug Therapies: Peripheral Neuropathy Complications and Mechanisms"  
Shikuma, Cecilia M  
Medicine-MED  
This proposal will study whether low baseline peripheral nerve fiber density will predict development of neuropathy in a clinical cohort in Thailand; and also study the role of mitochondria.  
$689,796

10. NIH-Natl Inst of Nursing Research  
"Center for ‘Ohana and Self-Management of Chronic Illnesses in Hawaii (COSMCI): Building Research Teams for the Future"  
Inouye, Jillian  
Nursing  
To establish a Center for ‘Ohana and Self-Management of Chronic Illnesses in Hawaii (COSMCI) whose vision is to understand, develop, and test family, community, and culturally appropriate interventions to enhance ‘ohana and self-management techniques that will reduce health disparities in diverse groups with chronic illnesses.  
$290,898

11. PHS-Centers for Disease Control (CDC)  
"Asian/Pacific Islander Youth Violence Prevention Center"  
Hishinuma, Earl  
Psychiatry-MED  
Center designed to support and fund administrative/infrastructure, research, outreach and education for the prevention of interpersonal youth violence of Asian/Pacific Islander youth. Defined community is Kailua.Waimanalo, which will interact with the Center in community-based participatory research.  
$804,019

FROM: DOC-Dept of Commerce

1. DOC-National Oceanic & Atmospheric Administration  
"Local and Indigenous Climate Knowledge Network: Addressing Drought Vulnerability and Adaption"  
Anderson, Cheryl  
JIMAR - SOEST  
To build cross-RISA (Regional Integrated Sciences and Assessments) expertise in local & indigenous strategies for coping with drought by Partnering with Local & indigenous resource managers to improve climate services through dialogue, information exchange, and blending of knowledge.  
$39,432
2. DOC-National Oceanic & Atmospheric Administration $35,000
"Composition of Sediment and Water in the Ordnance Reef Area of the Waianae Coast, Hawaii"
DeCarlo, Eric H Oceanography - SOEST
An assessment of known munitions disposal area located in Pokai Bay in Waianae and Maili.

3. DOC-National Oceanic & Atmospheric Administration $126,237
"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.

4. DOC-National Oceanic & Atmospheric Administration $33,570
"Genetic and Morphological Characterization of a Coral Species of Concern, Montipora dilatata, in Kaneohe Bay, Hawaii"
Toonen, Robert Haw Inst Marine Bio-SOEST
Combined genetic and morphological species identification of Hawaiian rice corals.

5. DOC-National Oceanic & Atmospheric Administration $3,273,459
"HURL Annual Funding (FY2008)"
Wiltshire, John C HURL - SOEST
This proposal provides FY2008 funding for the Hawaii Undersea Research Laboratory.

6. DOC-Nat'I Marine Fisheries Service $222,000
"Data Administration of Pelagic Fisheries Data"
Schroeder, Thomas A JIMAR - SOEST
To enable timely and effective monitoring of the Hawaii-based longline fishery using data from the Pacific Islands Regional Office observer program and ancillary data sources, and to continue data administration support for Pacific Islands Fisheries Science Center and Pacific Islands Regional Office scientists and data managers.

7. DOC-Nat'I Marine Fisheries Service $245,154
"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.

8. DOC-Nat'I Marine Fisheries Service $336,920
"Protected Resource Environmental Compliance Initiative (PRECI)"
Schroeder, Thomas A JIMAR - SOEST
To establish & maintain enhanced management based on scientific research for protected resources. Research conducted will be used to assist resource managers in decision making & directing further investigation in habitat & protected species, enhance interagency cooperation, conduct research, perform outreach & education, & protected species conservation & recovery.
9. DOC-Natl Marine Fisheries Service  
"Application of Satellite Ocean Remote Sensing to Living Marine Resources (Ocean Remote Sensing)"  
Schroeder, Thomas A  
JIMAR - SOEST  
To develop and integrate information derived from analyses of satellite oceanographic data into population dynamics research.

10. DOC-Natl Marine Fisheries Service  
"Meso-photic Reef Ecosystems of Hawaii’s Au‘au Channel"  
Schroeder, Thomas A  
JIMAR - SOEST  
To characterize the physical and biological nature of meso-photic coral reefs in Hawaii as a starting point to address meso-photic corals throughout the Archipelago and wider Pacific.

11. DOC-Natl Marine Fisheries Service  
"Fisheries Oceanography: Ecosystem Observations and Research Program"  
Schroeder, Thomas A  
JIMAR - SOEST  
Scientific projects that bridge research investigations to produce ecosystem level analyses and products.

12. DOC-Natl Marine Fisheries Service  
"Marine Resource Dynamics Assessment Program (MARDAP): Research Support"  
Schroeder, Thomas A  
JIMAR - SOEST  
Continuation of administrative and facilities support for research operations as part of the ongoing research under the Marine Resource Dynamics Assessment Program.

13. DOC-Natl Marine Fisheries Service  
"Sustainable Fisheries Initiative"  
Schroeder, Thomas A  
JIMAR - SOEST  
To foster the sustained optimal use of fishery resources and maximum protection of marine endangered and threatened species of the State of Hawaii and other U.S. territories, commonwealths, and island possessions in the Western Pacific region.

14. DOC-Natl Marine Fisheries Service  
"Marine Resource Dynamics Assessment Program (MARDAP): Sociocultural Profile of Pacific Islands Fishing Ports"  
Schroeder, Thomas A  
JIMAR - SOEST  
To develop a social and cultural database 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 communities and ports that is consistent with profiles currently being developed in other parts of the country.

15. DOC-Natl Weather Service  
"Evaluation of Flash Flood Prediction Models for Small Watersheds in Tropical Islands"  
Fares, Ali  
Natural Resources &  
The main goal of this proposed research is to evaluate the performance of a distributed model and a semi-distributed version of the Sacramento Soil Moisture Accounting Model (SAC-SMA) for operational flash flood forecasting in the Hanalei Watershed, Kauai.
FROM: DOD-Dept of Defense

1. DOD-Dept of Navy

"AEP Hearing Experiments with Marine Mammals"
Nachtigall, Paul E  Haw Inst Marine Bio-SOEST
Examine the hearing of marine mammals using the auditory evoked potential procedure in which hearing is measured by looking at the brain wave patterns in response to sound.

2. DOD-Dept of Navy

"Effects of Offshore Forcing in the Nearshore Environment"
Pawlak, Eugene R.  Ocean & Resources Engineering -
The proposed research will examine the effects of offshore internal tides on currents and sediment transport in the coastal zone. We will carry out field observations and computer modeling of a region of the south shore extending from Diamond Head to Sand Island. The observations will focus on the Kilo Nalu Observatory.

3. DOD-Naval Research Laboratory

"Importance of Thin Plankton Layers in Hawaiian Food Web Interactions: Research Spanning from Physical Circulation to Spinner Dolphins"
McManus, Margaret Anne  Oceanography - SOEST
We propose an interdisciplinary approach to look at the relationships between the distribution of phytoplankton, zooplankton, mesopelagic micronekton, and spinner dolphins along with acoustical and optical scattering from these organisms and the topography and physical circulation patterns of the study region.

4. DOD-Naval Research Laboratory

Nosal, Eva-Marie  Ocean & Resources Engineering -
This project will improve methods to track marine mammal underwater using vocalizations recorded on bottom-mounted hydrophones. Data from two Navy hydrophones ranges will be processed to track beaked whales, sperm whale, and humpback whales. Behavior and bioacoustics will be studies where possible.

FROM: DOE-Dept of Energy

1. DOE-Dept of Energy

"Future Projections of Mean and Variability of the Asian Summer Monsoon and Indian Ocean Climate Systems"
Annamalai, H  Meteorology - SOEST
The primary goal of the proposal is to quantify the future projections of the Asian Summer Monsoon and tropical Indian Ocean Climate systems. Specifically, the proposed research aims to examine the degree to which changes in greenhouse gas and aerosol concentrations influence the time-mean state of the monsoon climate.

2. DOE-Dept of Energy

"Understanding Annual Cycle-ENSO Interactions in Climate Change Simulations"
Schneider, Niklas  Oceanography - SOEST
An investigation of interactions of annual cycle and interannual variations (El Nino) of the tropical Indo-Pacific in simulations of future climate with changes of greenhouse gases.
3. DOE-Dept of Energy
"Mild Catalytic Methods for Alkyl-Alkyl Bond Formation"
Vicic, David Chemistry
We hope to transform the emerging synthetic chemistry involving alkyl-alkyl cross-couplings into more of a mechanism-based field so that new, rationally-designed catalysts can perform under energy efficient conditions.

FROM: National Science Foundation

1. National Science Foundation $299,844
"Collaborative Research: The Role of Marine Crenarchaeota in Nitrification and Links Among Biogeochemical Processes in the Eastern Tropical North"
Beman, John M. Geology & Geophys - SOEST
Study the microbial ecology and nitrogen chemistry in the waters of the eastern North Pacific Ocean and in the Gulf of California.

2. National Science Foundation $272,132
"Producing Mimosine-free Leucaena leucocephala Through Metabolic Pathway Engineering"
Borthakur, Dulal Molecular Biosciences &
This research will develop a toxin-free leucaena cultivar for using as fodder. The project will also train graduate and undergraduate students and science teachers in biotechnology.

3. National Science Foundation $574,770
"Collaborative Research: Experiment on Internal Tide Scattering"
Carter, Glenn Oceanography - SOEST
A combined observational and numerical study to describe and understand low-mode internal tide energy is scattered from Hutchinson Seamount. Preliminary model results and altimetry data shows scattering. This proposal is a collaborative effort with Scripps Institution of Oceanography.

4. National Science Foundation $125,392
"Collaborative Research: Southern Ocean Current Observations from the U.S. Antarctic Research Vessels"
Firing, Eric Oceanography - SOEST
Ocean current measurements will be made in the upper several hundred meters on all cruises of the NB Palmer and the LM Gould. Data will be processed, archived, and analyzed.

5. National Science Foundation $97,785
"Cone-forming Explosive Eruptions of Basalt Magma: Etna, Kilauea, Stromboli"
Houghton, Bruce Geology & Geophys - SOEST
This proposal examines the complex range of volcanic explosions recorded at the classical basaltic volcanoes of Etna, Kilauea and Stromboli. It looks to tie observations of recent eruptions to the properties of the deposits and models for the processes of eruption.

6. National Science Foundation $291,454
"Collaborative Research: TransArctic Paleoclimate of the Eocene"
Jahren, Hope Geology & Geophys - SOEST
Excavate Eocene-age tree fossils from three arctic sites: Ellesmere Island, Banks Island and Northern Alaska. Stable isotope analyses will be used (D/H, 18O and 13C) to refer the status of precipitation, soil productivity, soil moisture availability, and temperature during the time that the trees grow. Analysis to include biological compounds as phenyl-G, n-alkanes etc.
7. National Science Foundation $4,000,000
"Center for Microbial Oceanography: Research and Education (C-MORE)"
Karl, David M Oceanography - SOEST
To establish a Center for Microbial Oceanography Research & Education (C-MORE) as a vehicle for rapid progress in the fields of microbial ecology and any genomics, including research and education.

8. National Science Foundation $31,998
"SHINE Postdoc: Using Neutral Helium to Understand Coronal and Heliospheric Plasmas"
Kuhn, Jeffrey R Institute for Astronomy
The program will continue to support Dr. Elena Moise to observe stellar wind.

9. National Science Foundation $50,000
"Research Starter Grant-Understanding the Relationship Between Housing Density and Forest Structure on Avian Communities Across Forested Landscapes"
Lepczyk, Christopher Natural Resources &
The goal of the proposed study is to expand our understanding about the effects of houses on bird communities in forested ecosystems by coupling information on housing density and forest structure. Based upon this goal the main objective is to estimate the effects of houses and forest structure on avian communities during the current decade across multiple landscapes.

10. National Science Foundation $134,980
"An Experimental Test of the Impacts of Rising Temperature on Carbon Input, Allocation, and Loss in Model Forests"
Litton, Creighton Natural Resources &
We propose to examine how temperature and stand developmental phase interact to impact: (i) forest ecosystem carbon allocation (fluxes of carbon into and out of forest ecosystems, and how carbon is partitioned within the ecosystem); and (ii) the partitioning of belowground carbon flux.

11. National Science Foundation $193,508
"Numerical Investigation of CME Cannibalism in the Inner Heliosphere and its Implications for Space Weather"
Lugaz, Noe Institute for Astronomy
By studying historical events as well as events observed by the newly launched STEREO and Hinode spacecraft, this proposal seeks to study "CME cannibalism" (the interaction and merging of successive solar eruptions) in order to improve our understanding of the heliosphere and our predictions of space weather.

12. National Science Foundation $772,175
"Hawaii Ocean Time-series: Study of Subtropical Gyre Physics and Climate Interactions"
Lukas, Roger B Oceanography - SOEST
Continuation of Hawaii Ocean Time-series.

13. National Science Foundation $48,930
"Compressibility and Structure of Silicate Melts at High Pressure"
Manghnani, Murli H Haw Inst Geophys & Planet
Purchase of carbon dioxide laser system.
14. National Science Foundation
"Coll. Research: Investigating the Distribution of Hydrothermal Activity and its Geologic and Geophysical Controls at the Lau Integrated Studies Sites"
Martinez, Fernando  
Haw Inst Geophys & Planet
Compiled data and analyses for Lau Basin tectonic movement.

15. National Science Foundation
"Collaborative Research: SEPPCoN, a Survey of the Ensemble Physical Properties of Cometary Nuclei"
Meech, Karen J  
Institute for Astronomy
Survey of ensemble physical properties of cometary nuclei to understand the distribution of sizes, albedos, colors, shapes, and rotation of current comet population in the Solar System.

16. National Science Foundation
"Collaborative Research: Integrated Data Management for Hydrothermal Spring Geochemistry"
Mottl, Michael J  
Oceanography - SOEST
To create an integrated database for the chemistry of hydrothermal springs on the ocean floor.

17. National Science Foundation
"The VYSOS Automatic Telescope Project"
Reipurth, Bo  
Institute for Astronomy
This proposal solicits funds to partially fund the development of a 'Variable Young Stellar Objects Survey' (VYSOS), which consists of two identical 16 inch telescopes, one to be located in the northern hemisphere at the Haleakala Observatory in Hawaii, and the other one in the southern hemisphere at the Cerro Tololo Interamerican Observatory in Chile.

18. National Science Foundation
"Multiple Origins of Mesoderm in a Model Polychaete"
Seaver, Elaine  
Pacific Biosciences Research
Molecular and embryological analysis of the development and evolutionary origins of mesoderm in the polychaete annelid Capitella sp. 1.

19. National Science Foundation
"Quasar Extended Emission-Line Regions: Evidence for Massive Quasar-Driven Superwinds?"
Stockton, Alan N  
Institute for Astronomy
Our recent work has shown that some quasars in the local universe have ejected a total mass of gas equal to the entire interstellar medium of moderately large galaxy such as the Milky Way. We will investigate this phenomenon.

20. National Science Foundation
"Doctoral Dissertation Research: The Political Ecology of Food Sovereignty Movements in Neoliberal India"
Suryanata, Krisnawati  
Geography
This research seeks to understand the role of social movements for food "sovereignty" in rural India in addressing the multiple problems faced by small and marginal farmers in the face of economic reforms.
21. National Science Foundation
   "MRI: Development of a High-Resolution Spectrograph for the NASA Infrared Telescope Facility"
   Tokunaga, Alan, Institute for Astronomy
   The objective of this proposal is to replace the NASA Infrared Telescope Facility high spectral resolution spectrograph, CSHELL, with a cross-dispersed spectrograph using a silicon immersion grating and a 2048 x 2048 near-infrared array.

22. National Science Foundation
   Yun, Zhengqing, HCAC (HI Ctr for Advanced
   Study electromagnetic (EM) wave propagation for the design of advance wireless communications systems by exploiting the geospatial resources on the Internet.

FROM: Nat'l Aeronautics & Space Administration

1. Nat'l Aeronautics & Space Administration
   "Identification and Analysis of Volcanic Cones on Mars: Implications for Paleo-Environmental Conditions"
   Fagents, Sarah, Haw Inst Geophys & Planet

2. Nat'l Aeronautics & Space Administration
   "Preservation of Exogenous Volatiles in Lunar Regolith Deposits"
   Fagents, Sarah, Haw Inst Geophys & Planet
   The proposed study will model the heating of the lunar surface due to the emplacement of lava flows. The goal is to determine the preservation potential of implanted solar wind and cosmic ray particles as records of the early history of the solar system.

3. Nat'l Aeronautics & Space Administration
   "Remote Sensing Studies of Lunar Pyroclastic Deposits"
   Hawke, Bernard R, Haw Inst Geophys & Planet
   This is a proposal to use a variety of remote sensing data to investigate lunar pyroclastic deposits.

4. Nat'l Aeronautics & Space Administration
   "A NEO Search Program Using the Pan-STARRS PS1 Telescope"
   Jedicke, Robert, Institute for Astronomy
   Support of the PS1 Telescope operation and MOPS project on Haleakalana for the NASA Near Earth Object Search Program.

5. Nat'l Aeronautics & Space Administration
   "Expanding the Observed Solar Magnetosphere"
   Kuhn, Jeffrey R, Institute for Astronomy
   This project will: 1) provide synoptic photospheric and chromospheric vector magnetic field measurements in support of NASA solar research space programs, 2) Provide unique synoptic coronal magnetic field data for the solar and space research community, and 3) Perform exploratory infrared spectropolarimetry research in order to enhance our current coronal magnetograph capabilities.
6. Nat'l Aeronautics & Space Administration $160,000
   "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.

7. Nat'l Aeronautics & Space Administration $164,065
   "Quantitative Mineral Maps of the Moon"
   Lucey, Paul Haw Inst Geophys & Planet
   The project will prepare maps of the abundance of minerals across the lunar surface.

8. Nat'l Aeronautics & Space Administration $74,131
   "Studying Complex Ejecta at L1 Using Realistic Models of CME Evolution and Interplanetary Magnetic Field"
   Lugaz, Noe Institute for Astronomy
   We propose to investigate the evolution of Coronal Mass Ejection (CME) into a interplanetary magnetic field (IMF), and the interaction of multiple CMEs from the Sun. By modeling the IMF from the Sun to L1, we will provide insight to the LWS community concerning the transport of Solar Energetic Particles.

9. Nat'l Aeronautics & Space Administration $39,924
   "Dynamics of Anisotropic Mean and Time-varying Structures of Ocean Circulation"
   Maximenko, Nikolai Oceanography - SOEST
   Satellite data, in situ observations, and outputs of advanced numerical models will be used jointly to study the dynamics of anisotropic mesoscale stationary and propagating jet-like structures recently discovered in the upper ocean.

10. Nat'l Aeronautics & Space Administration $103,796
    "Comets and the Early Solar System"
    Meech, Karen J Institute for Astronomy

11. Nat'l Aeronautics & Space Administration $98,991
    "Analysis of Coordinated Ground-Based Deep Impact Imaging Data"
    Meech, Karen J Institute for Astronomy

12. Nat'l Aeronautics & Space Administration $33,668
    "Investing Midlatitude Ocean and Climate Dynamics using Satellite Altimetry and Modeling Analysis"
    Qiu, Bo Oceanography - SOEST
    Characterize and understand the nature and causes of the large-scale fluctuations in the midlatitude North and South Pacific Oceans on time scales from interannual to decadal.
13. Natl' Aeronautics & Space Administration  
"Combined Raman, Fluorescence, and Lidar Multi-Sensors (RFLMS) for Remote Mineralogical, Biological and Planetary Atmospheric Exploration"  
Sharma, Shiv K  
Haw Inst Geophys & Planet  
This project is focused on developing a combined Raman and laser-induced native fluorescence spectrometer and lidar instrument for robotic and lander based exploration of Mars.

14. Natl' Aeronautics & Space Administration  
"Searching for Products of Extreme Lunar Magmatic Fractionation: Understanding the Moon's Differentiation and Resource Potential"  
Taylor, G Jeffrey  
Haw Inst Geophys & Planet  
This research will study unusual lunar samples that are loaded with trace elements. They are interesting for understanding how the lunar crust formed and for assessing their potential as future lunar resources.

FROM: Hawaii- Government Agencies

1. DLNR-Division of Aquatic Resources  
"GIS Database Development and Web-based Visualization of Spatial Patterns of Coral Bleaching and Disease Throughout the Hawaiian Archipelago"  
Franklin, Erik C.  
Haw Inst Marine Bio-SOEST  
The objective of this project will be to develop a GIS database by integrating all available information related to coral reef condition within the Hawaiian archipelago and serving it through a web-based mapping site.

2. DLNR-Division of Forestry & Wildlife  
"Incidence and Evaluation of a New Rust Disease on Myrtaceae in Hawaii"  
Uchida, Janice Y  
Plant & Environmental Protection  
Using molecular techniques, determine if Hawaii has only one strain of the disease and describe its relationship to strains of P. psidii from Brazil, Florida, and California.

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

4. Hawaii-Dept of Agriculture  
"Development of Waste Stream Handling Systems"  
Keysor, Harold  
HITAHR - Maui - CTAHR  
This project will review and compare anaerobic digestion systems for disposing of waste stream materials from an animal slaughterhouse and from a post-consumer food wastes. Alternative systems will be compared and a system will be selected and recommended for further development, along with design for re-utilization of the waste streams applied to pastures.
5. Hawaii-Dept of Education $50,000
   "Evaluation of Supplemental Education Services Program"
   Inazu, Judith K
   Social Science Rsrch Inst
   To conduct an evaluation of the NCLB's Supplemental Education Services Program.

6. Hawaii-Dept of Education $1,212,807
   "MOA D09-021, CO-90041 Provision of the Hawaii Content & Performance Standards III Streamline Project"
   Young, Donald B
   CRDG
   Revise Hawaii State Content and Performance Standards in English, Mathematics, Science, and Social Studies; create criteria for textbook adoption; create design for teacher professional development.

7. Hawaii-Dept of Health $244,000
   "Striving for Independence Through Peer Mentoring: Ho'oikaika"
   Izutsu, Satoru
   Dean's Office- MED
   Project goals and objectives to: 1) increase quality, availability, effectiveness of community-based and educational programs designed to improve health and quality of life and 2) to improve access to comprehensive, high quality health care services by developing an effective, culturally competent system of peer mentoring services for adults with TBI and their families.

8. Hawaii-Dept of Health $401,074
   "Hawaii Physical Activity and Nutrition Coalition"
   Maddock, Jason E
   Public Health Sciences
   This project will develop and maintain a coalition to increase physical activity and improve nutrition in the state of Hawaii.

9. Hawaii-Dept of Land & Natural Resources $150,530
   "Restoration Research on Oahu's Lowland Rare Plants"
   Duffy, David
   Botany
   Work to restore Oahu lowland plants, and to create new populations of endangered plant species, especially the endangered Abutilon menziesii which was rediscovered in the path of a planned roadway.

10. Hawaii-Dept of Land & Natural Resources $75,000
    "Landowner Assistance Program for Endangered Species"
    Duffy, David
    Botany
    Provide conservation expertise to landowners on all aspects of assistance programs for endangered species protection, and assist in development of plans and agreements.

11. Hawaii-Dept of Transportation $148,285
    "Updating of the State Pavement Management System and Calibration of the 2002 Design Guide for Hawaiian Conditions"
    Archilla, Adrian Ricardo
    Civil Engineering
    Update the State of Hawaii Department of transportation pavement management system and study the requirements for implementation of a new pavement design guide. Develop new pavement design and pavement management guidelines.
FROM: Hawaii- Associations, Foundations, Societies, etc.

1. Consuelo Zobel Alger Foundation $50,000
   "Consuelo Foundation Program Evaluation"
   Morelli, Paula T School of Social Work
   The study will evaluate six program models with a focus on examining engagement and retention of families in treatment.

FROM: Hawaii- Business and Other

1. Hawaii Alliance for Arts Education $112,500
   "Evaluation of Year 3 of the Arts and Literacy for All Project"
   Brandon, Paul R CRDG
   Evaluate and conduct research on a project to integrate drama and dance teaching strategies into elementary school reading instruction.

2. Nani Kahuku Aina $91,920
   "Hawaii Island Hawksbill Turtle Nesting Habitat Management"
   Duffy, David Botany
   Restore hawksbill turtle habitat on southern coast of Big Island.

3. Pacific Resources for Education & Learning $41,004
   "Online PPST Preparation for Pacific Region"
   McKimmy, Paul B. College of Education
   UHM College of Education will provide student accounts to a designated contact at each PREL-sponsored Pacific institution outside of Hawaii. PREL and TDP will assess the impact of the PPST-prep system on Praxis-1 success rates for Pacific islanders.

4. Research Corp, University of Hawaii $37,594
   "Crustose Coralline Algae of the NWHI II: In Search of Ancient Diversity"
   Abbott, Isabella A Botany
   Collect and process for identification Crustose Coralline Algae of the Northwestern Hawaiian Islands. Duties to include travel, collections, and laboratory work.

FROM: Hawaii- Health Organizations

1. Kuakini Medical Cntr $39,720
   "Epidemiology of Brain Aging the Very Old"
   Blanchette, Patricia Geriatrics-MED
   Sub-award between UH-JABSOM & Kuakini Medical Center for faculty to conduct neurological examinations, including proxy interviews. Also dictate cases, attend consensus diagnosis conferences, and take part in some analysis of data.

2. Kuakini Medical Cntr $48,051
   "Kuakini Medical Center Subaward for Research Grant: Epidemiology of Brain Aging in the Very Old, NIH Grant No: 2UCAC019349-06A1"
   Tam, Elizabeth K Medicine- MED
   Dr. McMurtray will be performing neurological examinations of cohort members on the "Epidemiology of Brain Aging in the Very Old" Project.
FROM: Mainland- Associations, Foundation, Soc, etc.

1. Geoscience Consultants  $101,585
   "Characterization of Three-Dimensional Mantle Flow Beneath Nevada: Implications for Volcanic Hazard"
   Conrad, Clinton P  Geology & Geophys - SOEST
   Conrad will lead the development of numerical models of mantle flow beneath the Basin and Range region of North America. In collaboration with Eugene Smith (Univ. Nevada), particular emphasis will be placed on examining flow fields that lead to mantle upwelling, which may contribute to hazard in the Nevada region.

2. International Cut Flower Growers Association  $1,775
   "New Tropical Ginger Cut Flowers"
   Criley, Richard A  Tropical Plant & Soil Science
   Two ginger species (Etlingera venusta and Zingiber spectabile) will be subjected to photoperiod controls to manipulate flowering periods in order to extend the marketable flower season. Postharvest studies will be conducted to lengthen the useful vase life of these tropical ginger cut flowers. The goal is to provide new flower crops for Hawaii flower growers.

   Varner, Gary  Physics & Astronomy
   Fabrication of a high speed STURM chip from MOSIS to be used in the accelerator beam diagnostics at the accelerator at KEK, Tsukuba, Japan.

FROM: Mainland- Health Organizations

1. Joslin Diabetes Center  $30,000
   "Joslin Diabetes Center"
   Bursell, Sven-Erik  Dean's Office- MED
   Provide oversight and facilitation of Joslin Vision Network's eye care deployment, clinical program implementation, and integration of new technologies into the program; continue leadership role in the management and development of a new model for Quality Assurance for the Indian Health Services for their JVN eye care program.

FROM: Mainland- Other

1. Jet Propulsion Lab  $15,000
   "Direct Observations of Clouds on Brown Dwarfs: A Spitzer Study of Extreme Cases"
   Rayner, John T  Institute for Astronomy
   Use data from NASA's Spitzer space telescope to investigate the effects of clouds on brown dwarfs.

FROM: U.S. Universities and Colleges

1. Univ of California- Davis  $17,601
   "The Active Galaxy Population in a Supercluster at z = 0.7"
   Gal, Roy  Institute for Astronomy
   We will be reducing optical data in three filters obtained from the Palomar 200-inch telescope, as well as imaging obtained with both the FLAMINGO's imager on the Kitt Peak 4-meter and with WFCAM on the UKIRT telescope.
2. Univ of Texas Southwestern Medical Center
"Exercise Adaptations in Mitochondrial Myopathy: Therapeutic Implications"
Shohet, Ralph
Medicine- MED
Subcontract for consultation on NR1 project awarded to UTSW (PI Haller) to determine the safety and efficacy of endurance exercise training as therapy and the potentially adverse effects of habitual physical inactivity in patients with skeletal muscle mitochondrial electron transport chain defects due to heteroplasmic mitochondrial DNA mutations.

FROM: All Non-U.S.
1. Nat'l Astronomical Observatory of Japan
"NAOJ-Subaru Telescope Use of the UH 2.2-m Telescope FY09"
Aspin, Colin
Institute for Astronomy
To foster collaborative astronomical programs, primarily, the collaborative use of the UH 2.2 meter telescope by National Astronomical Observatory of Japan observers.

2. St. Thomas University (STU)
"Influence of Demographic and Economic Changes on the Development of Private Universities in the Osaka and Hyogo Prefectures"
Englert, Peter
Haw Inst Geophys & Planet
The influence of the falling number of eligible students and the changing economic basis in the Hyogo and Osaka prefectures of Japan on the development of private higher education institutions will be investigated.

NON-RESEARCH AWARDS

FROM: DA-Dept of Agriculture
1. DA-Cooperative State Research Service
"Agricultural Development in the American Pacific (ADAP), Year 21, FY2008"
Hashimoto, Andrew
College of Tropical Ag & Human
ADAP advances the viability and security of Pacific Island agriculture and communities through collaborative agreements that are culturally appropriate, socially acceptable, economically viable, and environmentally sustainable.

2. DA-Dept of Agriculture
"Biotechnology Outreach Program"
Wieczorek, Anna
Tropical Plant & Soil Science
Improved understanding of agricultural biotechnology issues by growers, marketers, legislators and consumers.

FROM: DHHS-Dept of Health & Human Services
1. NIH-Natl Inst of Diabetes, Digestive, Kidney (NIDDKD)
"Multimedia Intervention to Motivate Ethnic Teens to be Designated Organ Donors"
Albright, Cheryl
Cancer Research Center
Recruit teen groups from church and high school clubs, n = 38 groups; 500 teens, Deliver Interactive Multimedia Intervention to clubs in this condition and deliver comparison intervention - on prevention of Underage Drinking of Alcohol - for this condition. Assess designated organ donor status on driver's license/ID and family discussions.
FROM: DOC-Dept of Commerce

1. DOC-National Oceanic & Atmospheric Administration $70,000
"Regional Extension Network support RMI"
Grau, E Gordon Sea Grant - SOEST

2. DOC-National Oceanic & Atmospheric Administration $199,969
"Hawaii Seafood Safety and Promotion Project"
Takahashi, Ronald K Kapiolani CC
To create and disseminate education material on the general public regarding seafood safety and nutritional value by producing and recording a series of "Source to Table" lectures and cooking demonstrations. Educational DVDs, community outreach through Olelo Television programs, and appearances at trade shows will be utilized to educate the public and culinary students.

3. NOAA-National Ocean Service (NOS) $15,000
"Translation of Hawaiian Language Newspapers: Expansion on Research and Translation of Fisheries Articles"
Okimoto, Darren Sea Grant - SOEST
To expand the research on the collection of translated fishery articles from a pilot project to ensure the completeness of information and discussion on each issue presented in each article.

FROM: ED-Dept of Education

1. ED-Dept of Education $233,686
"Center for Southeast Asian Studies National Resource Center"
Andaya, Barbara W School of Hawaiian, Asian & Pacific
Support for programs in Southeast Asian Studies campus wide including foreign language fellowships.

2. ED-Dept of Education $114,818
"A Culture-Centered Long-Term Training Program in Rehabilitation Counselor Education"
Cartwright, Brenda Counselor Education
This project will train 30 individuals from culturally diverse backgrounds, particularly those from Asian and Pacific Islander groups and individuals with disabilities to increase the supply of qualified vocational rehabilitation counselors available for employment in Hawaii.

3. ED-Dept of Education $354,000
"CIBER 2006-10: Enhancing U.S. Service Competitiveness in the Asia Pacific Region"
Daniel, Shirley J College of Business Administration
Enhancing U.S. Service Undustry Competitiveness in the Asia Pacific Region.

4. ED-Dept of Education $16,000
"An Evaluation of the Waianae 21st Century Community Learning Centers Project in 2007-08"
Higa, Terry Ann CRDG
The evaluators will collect, analyze, and report the evaluation data required by the 21st Century CLC program. This will include both descriptive and evaluative data about the students and school community. Additionally, the evaluation will examine the implementation of activities and student behavioral and academic changes over the school year.
5. **ED-Dept of Education**
   "National Resource Center for East Asian Studies at the University of Hawaii - NRC"
   $235,237
   Huey, Robert  
   Japanese Studies- SHAPS  
   Funding for new course development evaluation of East Asian Languages Program (including placement tests) outreach activities, library acquisitions, and graduate student fellowships in East Asian Studies at University of Hawaii.

6. **ED-Dept of Education**
   "Promoting Rigorous Career and Technical Education Programs of Study Through Statewide Articulation Agreements"
   $128,996
   Jones, Karla A.  
   MISC- University Admin  
   To develop academic and technical standards and to assist students in meeting such standards including through preparation for high-skill, high-wage or high-demand occupations in current and emerging professions and promote development of services/activities that integrate rigorous and challenging academic and CTE instruction, and that link secondary and postsecondary ed.

7. **ED-Dept of Education**
   "Manana Kupono: Supporting At-Risk Native Hawaiian Students to Succeed at UHM"
   $472,577
   Maglaya, Michael  
   Office of Student Affairs  
   Manana Kupono will increase postsecondary access for Native Hawaiian high school students from at-risk Oahu communities, increase the transfer rate of Native Hawaiian community college students into baccalaureate programs, and increase the retention and graduation rates of Native Hawaiian undergraduate students attending the University of Hawaii at Manoa.

8. **ED-Dept of Education**
   "Kiwila: A Civics Grant"
   $488,924
   Roberts, Kelly  
   Center on Disability Studies  
   Produce culturally responsive civics curriculum which will increase the civic knowledge of Hawaiian students while also increasing the number of Native Hawaiian youth, young adults, and adults who are active participants in civic related activities. Achievement of these goals should assist in improving educational and employment outcomes for all Native Hawaiians.

9. **ED-Dept of Education**
   "Proposal to Continue Funding of the University of Hawaii National Foreign Language Resource Center (NFLRC), 2008-2010, under the Language Resource Cen"
   $335,000
   Schmidt, Richard  
   Second Language Studies  
   The National Foreign Language Resource Center will continue to serve as a resource to improve the nation's capacity to teach and learn foreign languages effectively through projects, publications, and professional development activities that focus on the languages of Asia and the Pacific.

10. **ED-Dept of Education**
    "Improving Teacher Quality Grants (2009- SAHES"
    $183,128
    Sorensen, Christine  
    College of Education  
    Administer grant competition within Hawaii for higher education projects to improve teacher quality.
11. ED-Dept of Education
   "CREDE Professional Development for Teachers of At-Risk Native Hawaiian Students"
   Yamauchi, Lois A   Educational Psychology
   The project will develop and evaluate professional development designed to promote the Five Standards for Effective Pedagogy, instructional strategies that increase the academic success of culturally diverse learners. The goal is to promote teachers’ use of the Five Standards to increase the achievement of at-risk Hawaiian students.

FROM: Environmental Protection Agency

1. Environmental Protection Agency
   "EPA Star Fellowship: Management Across Borders: Assessing Connectivity of Panulirus Interruptus Populations throughout California and Mexico"
   Toonen, Robert   Haw Inst Marine Bio-SOEST
   This study uses natural variation in genetic markers to assess connectivity between species.

FROM: National Science Foundation

1. National Science Foundation
   "MRI: Acquisition of a Scanning Electron Microscope for Research and Training in the Biological and Materials Sciences"
   Dunlap, Marilyn F   Pacific Biosciences Research
   The major goal of this project is to acquire a high resolution field emission scanning electron microscope to support research and training in the biological and materials sciences.

2. National Science Foundation
   "URM: Environmental Biology in the Pacific Islands"
   Hadfield, Michael G   Pacific Biosciences Research
   This project will provide training experience to Pacific Island undergraduate students in environmental biology.

3. National Science Foundation
   "IGERT: Integrative Training in Ecology, Conservation and Pathogen Biology"
   Wilcox, Bruce   Pacific Biosciences Research
   A graduate training program for students interested in developing skills at the interface of ecology and emerging disease research.

FROM: Hawaii- Government Agencies

1. City and County of Honolulu
   "Elderly Affairs Division Caregiver Support Program"
   Pietsch, James H   School of Law
   Provide legal services to family caregivers and their care recipients.
2. County of Maui

"Year-Round Youth Services and Training Program under the Workforce Investment Act of 1998 for the County of Maui"

Tagomori, Alvin R  
Maui CC

MCC - Kuina Program plans to continue the "Year-Round Youth Services and Training Program under the Workforce Investment Act of 1998". Kuina will assist economically and otherwise disadvantaged at risk youth to achieve academic and career success, contributing to independence, self-sufficiency, and life long advancement opportunities.

3. DOH-Child & Adolescent Mental Health Division

"Ohana Ho'oikaika UH School of Social Work & Dept of Health CAMHD"

Morelli, Paula T  
School of Social Work

Develop and provide case management curricula, training and services as described in attached scope of services.

4. DOH-Child & Adolescent Mental Health Division

"Clinical Therapy and Assessment"

Schiffman, Jason  
Psychology

To provide psychological treatment and assessment of children struggling with emotional and/or behavioral difficulties. This project trains graduate student clinicians and offers children families needed psychological services.

5. Hawaii-Dept of Business & Economic Development

"EPSCOR Related Human Resources Development"

Gaines, James R  
VP for Research

Provide programs and support for technology workforce development activities per the attached scope of work.

6. Hawaii-Dept of Education

"An Evaluation of the Hana 21st Century Community Learning Centers Project in 2008-09"

Higa, Terry Ann  
CRDG

The evaluators will collect, summarize, and report data to address the requirements of the 21st Century program, including academic achievement, implementation of activities, demographic data, project partnerships, academic behavior, services to parents and other adults, project operations, and NCLB status.

7. Hawaii-Dept of Education

"An Evaluation of the Campbell 21st Century Community Learning Centers Project in 2008-09"

Higa, Terry Ann  
CRDG

The Contractor shall collect, analyze, and report data to fulfill requirements for the report due to the HDOE Special Program Management Section.

8. Hawaii-Dept of Education

"A Proposal for Training and Service to the Department of Education"

Mueller, Charles W  
Psychology

To provide assessment and behavioral health services to Hawaii Department of Education in the context of graduate training in the Department of Psychology.
9. Hawaii-Dept of Health
"REACT: Enforcement of Underage Alcohol Sales"
Albright, Cheryl Cancer Research Center
Conduct and report results of statewide alcohol sales survey to determine the rate of alcohol sales to underage youth in retail stores and to support enforcement of liquor laws.

10. Hawaii-Dept of Health
"HIV Care Services Training and Education"
Goshima, Cyril Psychiatry- MED

11. Hawaii-Dept of Human Services
"Title IV-E Eligibility Quality Assurance Project"
Godinet, Meripa School of Social Work
To review Title IV-E eligibility cases and make recommendations regarding their eligibility for IV-E funding.

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

13. Hawaii-Dept of Land & Natural Resources
"Invasive Species Public Service Announcements: Hawaii Island"
Duffy, David Botany
Conduct public outreach for invasive species awareness on the island of Hawaii, including teacher workshops and radio public service announcements.

14. Hawaii-Dept of Land & Natural Resources
"Early Detection of Forest Pests in Urban Forests of Oahu"
Duffy, David Botany
Create outreach material to encourage the reporting of introduced alien pests in Hawaii urban forests in Oahu.

15. Hawaii-Dept of Land & Natural Resources
"Oahu Rare Organism Project"
Duffy, David Botany
Research propagation and outplanting techniques on Oahu rare plants.

16. Hawaii-Dept of Land & Natural Resources
"Kipuka 21 Nature Trail Development and Management"
Duffy, David Botany
Development and manage a public access trail in Kipuka 21 on the Big Island.
17. Hawaii-Dept of Land & Natural Resources  
"Hawaii Association of Watershed Partnerships"  
Morden, Clifford W  
Botany  
Provide statewide support to the Watershed Partnerships, including strategic guidance and coordination of efforts.  

18. Hawaii-Dept of Transportation  
"Hawaii Local Technical Assistance Program (CY2005-2010)"  
Papacostas, C S  
Civil and Environmental  
Provide technology transfer to local transportation agencies.  

19. Hawaii-Judiciary  
"Indigent Legal Assistance Fund - Legal Services for the Elderly"  
Pietsch, James H  
School of Law  
Provide legal services to socially and economically needy persons 60 years or older.  

FROM: Hawaii- Business and Other  

1. Kamehameha Schools  
"Keaukaha Community Resource Center"  
Ikeda, Carol S  
College of Tropical Ag & Human  
To hire a technology program coordinator for the Keaukaha Community Resource Center who will provide educational programs for youth and adults in the community.  

2. Navatek, Ltd.  
"Ocean Engineering Internship"  
Cheung, Kwok F  
Ocean & Resources Engineering -  
Internship program for graduate students in Ocean and Resources Engineering.  

FROM: Hawaii- Health Organizations  

1. Hawaii Medical Service Assoc Foundation  
"Preceptor Program"  
Mark, Debra D.  
Nursing  
This program is structured with an intensive preceptor development component for nurses providing direct patient care who work with new graduate nurses. It is designed to build long term sustainable capacity within each organization by developing nurse educators, managers and staff RN preceptors to work with new graduates.  

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

1. National Parkinson Foundation  
"Hawaii Parkinson Disease Center of Excellence"  
Blanchette, Patricia  
Geriatrics-MED  
Education and training for individuals about Parkinson through the Comprehensive, Outreach, and Research portions of Parkinson Disease COE at Kuakini Medical Center.
FROM: Mainland- Other

1. Japan-US Friendship Commission
   "Maintenance, Support and Promotion of Cross Currents Website"
   Steinhoff, Patricia G  Sociology
   To maintain, support and promote the Cross Currents bilingual multimedia educational website at the University of Hawaii, where it was developed. The project provides technical support, content improvements, and promotion to appropriate audiences and ensures that the website remains available at www.crosscurrents.hawaii.edu.

2. Space Telescope Science Institute
   "Hubble Postdoctoral Fellowship: Emily L. Schaller: Understanding the Histories of Icy Worlds: Physican and Chemical Studies of Kuiper Belt Objects"
   Jewitt, David C  Institute for Astronomy
   The goal of this program is to understand what drives the chemistry on the surfaces of objects in the Kuiper Belt.

FROM: U.S. Universities and Colleges

1. Cornell University
   "Advanced Filipino Abroad Program"
   Ramos, Teresita V  MISC- Coll of Education
   Cornell University's support of the AFA program. The budget for year 1 is $1,500 which is support for administration, faculty, and supplies of the program.

2. Cornell University
   "Advanced Study of Khmer (ASK)-Summer Abroad Intensive Program in Program"
   Sak-Humphry, Chhany  Haw'n & Indo-Pac Language
   The intensive and immersion advanced study of Khmer language program in Cambodia.

3. MIT Lincoln Laboratory
   "Advanced CCD Array Test System (ACATS) Imager with the University of Hawaii"
   Tonry, John  Institute for Astronomy
   To fabricate the test dewar and electronics for evaluating the Advanced CCD Array Test System (ACATS) imager.

4. Univ of Southern California
   "TransLight/PacificWave (TLPW) Project - Hawaii Connections"
   Lassner, David K  Info Technology Services
   UH will provide facilities and technical & operational support for the Hawaii components of the TLPW project that supports the SX TransPORT North and SX TransPORT South links from Australia through Hawaii to the US West Coast.

FROM: All Non-U.S.

1. University of Bergen
   "Pacific Alternatives Conference"
   Hereniko, Vilsoni  History
   Organize a conference in Honolulu, HI March 23-27, 2009, titled "Pacific Alternatives: Cultural Heritage and Political Innovation at Oceania."
Funds Received from UH Foundation

NON-RESEARCH AWARDS

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

1. Univ of Hawaii Foundation $75,000
   "Coral Industries UH Personnel Account"
   Antal, Michael J    Haw Nat Energy Inst - SOEST
   To provide for salary, fringe benefit costs, and other program expenses.

2. Univ of Hawaii Foundation $48,000
   "Marine & Coastal Resource Project"
   Grau, E Gordon    Sea Grant - SOEST
   Promote community-based awareness and management of marine and coastal resources in West Hawaii.

3. Univ of Hawaii Foundation $4,000
   "Sen Soshitsu Students'/Staff Support"
   Huey, Robert    Japanese Studies- SHAPS
   To cover salary and fringe benefits - costs for students and staff support at the Center for Japanese Studies.

4. Univ of Hawaii Foundation $71,620
   "BW Parrent Fellowship"
   McLaren, Robert A    Institute for Astronomy
   Salary support for Dr. Adam Bolton from the Beatrice Watson Parrent Fellowship Endowment at the Institute for Astronomy.

5. Univ of Hawaii Foundation $606
   "WKKF Learning Labs Conference Administration"
   Oyadomari-Chun, Tammi    Planning & Policy
   To pay for payroll (salary and fringe) and non-payroll expenditures related to the execution of the Learning Labs conference.

6. Univ of Hawaii Foundation $159,228
   "Law School Annual Fund"
   Soifer, Aviam    School of Law
   Process payment for Law School UHF account with payroll and tax implications.

7. Univ of Hawaii Foundation $5,000
   "Manoa Journal"
   Stewart, R Frank    English
   Funds for staff wages.
**EXTRAMURAL RESEARCH AWARDS**  
**FOR THE MONTH OF AUGUST 2008**  
**DISTRIBUTION BY SPONSORS**

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FOR THE MONTH OF AUGUST 2008
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### Extramural Research Awards

**Year to Date:** 07/01/2008 – 08/31/2008

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| Total                                             | 239           | $50,573,742  | 100.00   |
## EXTRAMURAL NON-RESEARCH AWARDS

**YEAR TO DATE:** 07/01/2008 – 08/31/2008

**DISTRIBUTION BY SPONSORS**

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|                                               | 146           | $37,115,071 | 100.00  |
Awards Received by University of Hawaii at Hilo

RESEARCH AWARDS

FROM: Department of Interior

1. Department of Interior, National Park Service $ 49,941
   "Spatial Distribution/Nursing Behavior: Monk Seals"
   Jason Turner UHH Marine Science

   Provide technical assistance to Kalaupapa Natl Historical Park in spatial distribution patterns and nursing behavior during the critical pupping season

NON-RESEARCH AWARDS

FROM: US Department of Education

1. US Department of Education $ 682,982
   "Center for Pacific Islander Education/Retention"
   Luoluo Hong UHH Student Affairs

   Renovate existing UHH facilities into a student center (Pacific Islander Education and Retention)

2. US Department of Education $ 354,607
   "Olelo Ola FY 09"
   Keiki Kawaihea UHH Hawaiian Language

   Create a comprehensive system of services for the foundational grades of K-3 to foster highly literate and orally proficient Hawn language students in Hawn medium schools

3. US Department of Education $ 490,852
   "Native Hawaiian Serving Institutions, FY 09"
   Gail Makuakane Lundin UHH Student Affairs

   Increase the number of new and existing courses offered that incorporate a multicultural foundation and perspective, increase academic success of Native Hawn students
4. US Department of Education  
"Rural Science/Clinical Pharmacy"  
Rose Tseng  
UHH Administration  
Development of Pre-Pharmacy curriculum that will be launched throughout the Pacific Region; development of an accredited continuing education project as well as completion of a feasibility study for beginning a Physical Therapy Program at UHH; establishment of UHH Education/Outreach Ctr for Rural Public Health.

5. US Department of Education  
"Upward Bound Program, Year 1"  
Leonard Woods  
UHH Student Affairs  
Provide college prep services to 75 urban island of Hawaii low-income first-generation college bound high school students

6. US Department of Education  
"Upward Bound Math & Science, Year 2"  
Leonard Woods  
UHH Student Affairs  
Provide college prep services to 75 urban island of Hawaii low-income first-generation college bound high school students

FROM: Natl Aeronautic Space Administration

1. NASA  
"Educational Programming, Phase II"  
Rose Tseng  
UHH Administration  
Enhance and strengthen the educational programming integrating modern sciences and Hawaiian language/culture at Imiloa
FROM: US Colleges & Universities

1. Oregon State University  $ 247,236
   "Human Health/Aquaculture: BMP"

   Maria Haws  UHH Aquaculture

   Research, training and outreach activities will add components of aquaculture research, development and training to existing integrated coastal zone management programs for five estuaries in Mexico and Nicaragua

FROM: Mainland Associations, Foundations & Societies

1. Bernard Osher Foundation  $ 100,000
   "Lifelong Learning Institute at UH Hilo"

   April Komenaka-Scazolla  UHH CCECS

   Engage mature adults in learning for the joy of learning

   $ 4,704,166
### UNIVERSITY OF HAWAII AT HILO SUMMARY

EXTRAMURAL RESEARCH AWARDS: AUGUST 2008

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## UNIVERSITY OF HAWAII AT HILO SUMMARY

### EXTRAMURAL NON-RESEARCH AWARDS: AUGUST 2008

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UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

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UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY


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<td>Mainland Associations, Foundations &amp; Societies</td>
<td>1</td>
<td>$100,000</td>
<td>1.9%</td>
</tr>
<tr>
<td>Hawaii Government Agencies</td>
<td>3</td>
<td>$96,000</td>
<td>1.8%</td>
</tr>
<tr>
<td>Hawaii Associations, Foundations &amp; Societies</td>
<td>1</td>
<td>$13,260</td>
<td>0.3%</td>
</tr>
<tr>
<td>Hawaii Business and Other</td>
<td>2</td>
<td>$193,949</td>
<td>3.7%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18</strong></td>
<td><strong>$5,264,712</strong></td>
<td><strong>100.0%</strong></td>
</tr>
</tbody>
</table>
Gifts, Grants, and Contracts for September 2008

The following gifts, grants and contracts received by all campuses during the period September 1, 2008 through September 30, 2008 total $52,607,662.

This report is also available for viewing at: http://www.hawaii.edu/ors/Board_Reports.htm

Research

DA-Dept of Agriculture

Cooperative State Research, Education, & Extension Service/Department of Agriculture

Agriculture Diversification: Hawaii Tropical Specialty Fruit Research and Development - 2008

Douglas L Vincent

College of Tropical Agriculture and Human Resources

The overall grant 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 fruits from Hawaii.

Cooperative State Research, Education, & Extension Service/Department of Agriculture

Design and Evaluation of Precision Vegetative Buffer Strips as Sustainable Conservation Management Practice to Control Non-Point Source Pollution in

Ali Fares

Department of Natural Resources and Environmental Management

The project aims to evaluate the effectiveness of vegetative buffer strips, as soil conservation and pollution prevention technique, in Hawaii environment and optimize their configuration for use in local conditions. Educational and extension part of the project will increase awareness of stakeholders about environmental problems.

Cooperative State Research, Education, & Extension Service/Department of Agriculture

Quantifying Transgene Flow in Papaya

Richard M Manshardt

Department of Tropical Plant and Soil Sciences

Project will determine the relative importance of seeds and pollen in dispersing genes from commercial fields of genetically engineered papayas into surrounding areas. We will also examine how plant sex influences gene movement, and how movement of a genetically engineered gene for resistance to virus disease affects survival of plants outside commercial fields.

DA-Natural Resources Conservation Service (NRCS)

Weed Control in Hydro Planted Native Hawaiian Plants with Stakeholder Outreach

Joseph DeFrank

Department of Tropical Plant and Soil Sciences

The object of this proposal is to identify safe and effective herbicides and describe their use in hydro planting of seeded Mau Aki Aki and embedded in the hydromulch cap used for Aki aki plantings.

DA-Sustainable Agriculture Research & Education

Sunn hemp and its Allelopathic Compounds for Vegetable Production in Hawaii and Beyond

Koon-Hui Wang

Department of Plant and Environmental Protection Sciences

Improve and promote the use of the sunn hemp as a cover crop through the understanding of its toxic compounds for sustainable pest management.

Department of Agriculture

Development of Virus Resistant Plants

Michael H Shintaku

College of Agriculture, Forestry-UHH

Department of Agriculture

Protecting Papaya from Pests and Diseases

Douglas L Vincent

College of Tropical Agriculture and Human Resources

Develop and evaluate non-toxic, preferably biologically-based, environmentally suitable technologies and processes for pest and disease control on papaya.
Gifts, Grants, and Contracts for September 2008

Research

DA-Dept of Agriculture

Department of Agriculture $350
Support of Ag Research of Mutual Interest 2008-2
Norman Stahl Vice Chancellor for Student Affairs-UHH

Department of Agriculture $64,000
Support of Ag Research of Mutual Interest 2009
Norman Stahl Vice Chancellor for Student Affairs-UHH

Department of Agriculture $2,050
Support of Ag Research of Mutual Interest 2008
Norman Stahl Vice Chancellor for Student Affairs-UHH

Department of Agriculture $61,383
Prevention and Control of Invasive Termite Species in Hawaii and the American Pacific
Jack Kenneth Grace Department of Plant and Environmental Protection Sciences
Monitor the distribution of invasive termites, assess and improve termite prevention and control techniques, and investigate termite behavioral ecology with respect to control methodology.

Department of Agriculture $63,323
Hawaii Pineapple Improvement
Douglas L Vincent College of Tropical Agriculture and Human Resources
Utilize traditional breeding techniques and genetic engineering to develop horticulturally acceptable cultivars resistant to major disease, insects and nematodes of Hawaii's pineapple.

Department of Agriculture $53,239
Environmental Effects of Tephritid Fruit Fly Eradication and Control
Douglas L Vincent College of Tropical Agriculture and Human Resources
Develop and evaluate non-toxic, environmentally suitable and publicly acceptable technologies and processes for fruit fly, insect pest mgt., and control to enhance Hawaii's competition in Hawaii agricultural products.

Department of Agriculture $60,142
Minor Crops Pest and Disease Control
Douglas L Vincent College of Tropical Agriculture and Human Resources
Crop pests and diseases are critical limiting factors in the production of minor crops in Hawaii. Continued production of minor crops is dependent on the development of alternative technologies to control pests and diseases.

Department of Agriculture $221,593
Minor Crops Pest and Disease Control
Douglas L Vincent College of Tropical Agriculture and Human Resources
Crop pests and diseases are critical limiting factors in the production of minor crops in Hawaii. Continued production of minor crops is dependent on the development of alternative technologies to control pests and diseases.
## Gifts, Grants, and Contracts for September 2008

### Research

**DA-Dept of Agriculture**

Forest Service/Department of Agriculture

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Potential for Restoration to Break the Grass/Fire Cycle in Dryland Ecosystems in Hawaii: Using Remotely Sensed Data to Guide and Understand Restoration of Dry Forest Ecosystem Process</td>
<td>$60,254</td>
</tr>
</tbody>
</table>

**DHHS-Dept of Health and Human Services**

Centers for Disease Control and Prevention/DHHS

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program to Assess Health Effects Associated with Exposures to Volcanic Emissions and Environmental Air Pollutants</td>
<td>$95,000</td>
</tr>
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</table>

National Cancer Institute/NIH/DHHS

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role of Polyamines in MYCN-Amplified Neuroblastoma</td>
<td>$77,504</td>
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</tbody>
</table>

National Cancer Institute/NIH/DHHS

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cancer Research Center of Hawaii support grant.</td>
<td>$1,440,371</td>
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</table>

National Cancer Institute/NIH/DHHS

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hawaii Minority-Based Clinical Community Oncology Program (#63844) (Administrative Supplement)</td>
<td>$100,000</td>
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</tbody>
</table>

National Cancer Institute/NIH/DHHS

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Whole Genome Scan for Modifier Genes in Colorectal Cancer</td>
<td>$1,643,478</td>
</tr>
</tbody>
</table>

**C H Fletcher**

Department of Geology and Geophysics

Collaborate with the U.S. Forestry Service on Pacific Island assessment and Ecosystems Services Short Course to accomplish mutual objectives of highlighting problems and solutions of coastal area management and adaptation in the face of global climate change.

**Elizabeth K Tam**

Department of Medicine

Extend a community-based participatory research network to study the respiratory effects of volcanic air pollution in Hawaii Island schoolchildren.

**Andre S. Bachmann**

Cancer Research Center

If this supplemental funding is awarded, an additional clinical research associate will be hired to serve the neighbor islands of Hawaii, Maui and Kauai for oncology clinical trial screening and enrollment, trial treatment coordination with clinics and physicians, data management, and community outreach programs.

**Loic Le Marchand**

Cancer Research Center

To conduct a whole-genome association study of colorectal cancer in the Multiethnic study in order to identify susceptibility genes for this cancer.
Gifts, Grants, and Contracts for September 2008

Research

DHHS-Dept of Health and Human Services

National Center for Research Resources/NIH/DHHS $2,878,466
Research Outcomes Accelerating Discoveries for Medical Applications and Practice
Gary Kent Ostrander John A. Burns School of Medicine
The RCMI Program aims to further develop research excellence in biomedicine and health by fostering translational research linking basic science and clinical medicine. Research activities include biomedical imaging and bioengineering, bioactive nutrients, tropical infectious diseases detection and prevention and expanded biostatistics and computer core support services.

National Center on Minority Health and Health Disparities/NIH/DHHS $11,520
Partnerships for Cardiometabolic Disparities in Native and Pacific Peoples
Marjorie K H Mau Department of Native Hawaiian Health
Additional requested funds.

National Institutes of Health/DHHS $533,512
Early Brain Development After Prenatal "Ice" Exposure: A Longitudinal MR Study
Linda Chang John A. Burns 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.

National Institutes of Health/DHHS $1,811,155
Ethnic/Racial Minorities in the Colon CFR
Loic Le Marchand Cancer Research Center
To collect data, blood & tissue to determine genetic risk factors for colorectal cancer.

National Institutes of Health/DHHS $1,563,985
Pathogenesis of Mesothelioma
Michele Carbone Cancer Research Center
To identify those factors that may cause certain individuals to be more susceptible to asbestos and erinoto carcinogenesis and to develop malignant mesothelioma.

National Institutes of Health/DHHS $679,088
Peripheral Reservoir of HIV DNA in Monocytes Pivotal to Cognition in HIV
Victor George Valcour John A. Burns School of Medicine
This proposal will study whether high levels of HIV-infected monocytes that persist in HIV-infected individuals who receive good antiretroviral therapy against HIV explain why dementia does not completely resolve following such therapy. Understanding why this happens will allow us to find better ways to prevent or treat this devastating complication of HIV.

National Institutes of Health/DHHS $169,713
Development of Molecular Adjuvants for Therapeutic HIV-1 Vaccines
Qigui Yu Department of Medicine
To determine whether a heterologous DNA prime-ALVAC boost vaccine approach with the addition of CD40 ligand as a molecular adjuvant in both the prime and boost phases of vaccination can improve HIV-1-specific cellular and humoral immune responses to HIV vaccine immunization in the absence of CD4 T cell-depleted mouse model.
Gifts, Grants, and Contracts for September 2008

Research

**DHHS-Dept of Health and Human Services**

National Institutes of Health/DHHS

**Oral Infection in the Pathogenesis of Gestational Diabetes**

Lynnae K Millar Department of Obstetrics, Gynecology, and Women’s Health

There are two primary goals of our research: The first goal is to develop the infrastructure and support necessary to run a longitudinal study of oral health during pregnancy. The second goal is to elucidate the association between periodontal disease, IGF1 (insulin-like growth factor 1), IGF2 and glycemic control in pregnant women of Asian of Pacific Islander ethnicity.

National Institutes of Health/DHHS

**Supplements to caBIG™ Technology Assessment and Implementation Planning**

Carl-Wilhelm Vogel Cancer Research Center

Assess current informatics systems at CRCH and develop an implementation plan for adopting in the three caBIG™ software bundles.

National Institutes of Health/DHHS

**Heart Failure Disparities in Native Hawaiians**

Marjorie K H Mau Department of Native Hawaiian Health

This study is a 5-year project to develop and establish a Partnership Program addressing heart failure disparities among Native Hawaiians and Pacific Peoples by conducting hypothesis driven research and training investigators and researchers in the field of cardiovascular disease.

**DOC-Dept of Commerce**

DOC-Natl Marine Fisheries Service

**FISHERIES OCEANOGRAPHY: Protected Species Research Program**

Thomas A Schroeder Joint Institute for Marine and Atmospheric Research

To conduct research on Pacific Islands area protected species populations, their ecology, and relationships to environmental and oceanographic parameters.

DOC-Natl Marine Fisheries Service

**Sustaining Healthy Coastal Ecosystems - JIMAR Coastal Research Program**

Thomas A Schroeder Joint Institute for Marine and Atmospheric Research

This project will support multi-disciplinary efforts to assess, monitor, map restore, and protect coral reef ecosystems of the U.S.-affiliated Pacific Islands.

DOC-Natl Marine Fisheries Service

**Coral Reef Management Initiative**

Thomas A Schroeder Joint Institute for Marine and Atmospheric Research

To establish an enhanced coral reef management presence in the Pacific and foster opportunities for cooperative research with the University of Hawaii.

DOC-Natl Marine Fisheries Service

**Marine Resource Dynamics Assessment Program (MARDAP): Economics of Fisheries Initiative**

Thomas A Schroeder Joint Institute for Marine and Atmospheric Research

To support ongoing economic data collection programs and assess changes in key economic indicators in fisheries and other living marine resource utilizations in Hawaii and other Pacific Islands Area including American Samoa, Guam, and the Commonwealth of the Northern Mariana Islands (CNMI).
Gifts, Grants, and Contracts for September 2008

Research

DOC-Dept of Commerce

DOC-Nat'l Marine Fisheries Service $260,000
FISHERIES OCEANOGRAPHY: Marine Turtle Research Program
Thomas A Schroeder Joint Institute for Marine and Atmospheric Research
To conduct critical research on sea turtle biology and ecology, and foundation activities including training of Pacific islanders and information exchange, fishery observer training, fishery interaction data collection, collection of field data (e.g. growth rates, survival, movements), and long-term monitoring for population trends.

DOC-Nat'l Marine Fisheries Service $140,000
Satellite Remote Sensing Research Related to the West Coast Integrated Observing System (IOOS)
Thomas A Schroeder Joint Institute for Marine and Atmospheric Research
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.

National Oceanic & Atmospheric Administration/Department of Commerce $141,900
Joint Institute for Marine and Atmospheric Research (JIMAR) - Task 1
Thomas A Schroeder Joint Institute for Marine and Atmospheric Research
To support administration and visiting scientists program activities.

National Oceanic & Atmospheric Administration/Department of Commerce $196,696
Quantifying Air-Sea Gas Exchange at High Wind Speeds Using a Dual Gas Tracer (3He/SF6) Technique during the Southern Ocean Gas Exchange Experiment
David Ho Department of Oceanography
Air-sea gas transfer velocities will be quantified during the Southern Ocean Gas Exchange Experiment.

National Oceanic & Atmospheric Administration/Department of Commerce $250,000
Hawaii Coral Reef Initiative Research Program Phase I1
Michael P Hamnett Social Science Research Institute
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.

National Oceanic & Atmospheric Administration/Department of Commerce $246,727
Pacific ENSO Application Center (PEAC)
Thomas A Schroeder Joint Institute for Marine and Atmospheric Research
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.

National Oceanic & Atmospheric Administration/Department of Commerce $919,511
Pelagic Fisheries Research Program
John R Sibert Joint Institute for Marine and Atmospheric Research
These funds will cover various types of pelagic fisheries research projects to be conducted at various locations. Therefore specific indirect cost rates, locations, certifications and attachments are not addressed here but will be addressed at the time each proposal is submitted.
Gifts, Grants, and Contracts for September 2008

Research

DOC-Dept of Commerce

National Oceanic & Atmospheric Administration/Department of Commerce $285,000
Marine Resource Dynamics Assessment Program (MARDAP): Stock Assessment Research Program
Thomas A Schroeder Joint Institute for Marine and Atmospheric Research
To assess (1) the status of billfish, tuna, coastal pelagic species, bottomfish, coral reef fish and lobster stocks in the Western & Central Pacific Ocean, (2) impacts of fishing on these stocks.

National Oceanic & Atmospheric Administration/Department of Commerce $115,473
Development of an Extended and Long-range Precipitation Prediction System over the Pacific Islands
H Annamalai Joint Institute for Marine and Atmospheric Research
To develop and transition a dynamical precipitation prediction system for the U.S. Affiliated Pacific Islands.

National Oceanic & Atmospheric Administration/Department of Commerce $109,492
Toward Reducing Climate Model Biases in the Equatorial Atlantic and Adjacent Continents
Shang-Ping Xie Joint Institute for Marine and Atmospheric Research
To perform diagnostic and modeling studies to identify the source of climate model errors over the tropical Atlantic.

National Oceanic & Atmospheric Administration/Department of Commerce $58,055
The Effects of the Stratospheric Quasi-Biennial Oscillation on Seasonal Predictability of Tropospheric Circulation in the Northern Hemisphere...
Kevin P Hamilton Joint Institute for Marine and Atmospheric Research
A project to perform computer calculations and to analyze the results in order to improve weather forecasts for periods of up to several months.

National Oceanic & Atmospheric Administration/Department of Commerce $163,348
Profiling CTD Float Array Implementation and Ocean Climate Research
Thomas A Schroeder Joint Institute for Marine and Atmospheric Research
1) to support the profiling CTD floats through testing, deployment, and management of a subset of these floats; 2) To perform scientific analysis including estimates of ocean het variability using the float and other data.

National Oceanic & Atmospheric Administration/Department of Commerce $127,085
National Weather Service, Pacific Region - In Lieu of Rent Payments
Thomas A Schroeder Joint Institute for Marine and Atmospheric Research
Funds will be used to support students and infrastructure within the departments of Meteorology, Oceanography (marine applications ) and Geology& Geophysics (hydrology).

National Oceanic & Atmospheric Administration/Department of Commerce $1,070,999
The University of Hawaii Sea Level Center
Mark A Merrifield Joint Institute for Marine and Atmospheric Research
The University of Hawaii Sea Level (UHSLC) collects, processes, analyzes, and distributes tide gauge data from around the world in support of climate and oceanographic research.

National Oceanic & Atmospheric Administration/Department of Commerce $311,500
Thomas A Schroeder Joint Institute for Marine and Atmospheric Research
A data set will be assembled that will include the atmospheric measurements currently being conducted at Mauna Loa Observatory and the mercury measurements.
Gifts, Grants, and Contracts for September 2008

Research

**DOC-Dept of Commerce**

National Oceanic & Atmospheric Administration/Department of Commerce  
**$246,400**

*WHOTS-5 Cruise Plan: WHOI Hawaii Ocean Timeseries Station, Fifth Setting*  
Thomas A Schroeder  
Joint Institute for Marine and Atmospheric Research  
Moorings to provide long-term, high quality air-sea fluxes and upper ocean temperature, salinity and velocity as a coordinated part of the Hawaii Ocean Timeseries (HOT) program, and contribute to the goals of observing heat, fresh water and chemical fluxes at a site representative of the oligotrophic North Pacific Ocean.

National Oceanic & Atmospheric Administration/Department of Commerce  
**$282,000**

*Western Pacific Fishery Information Network Project*  
Thomas A Schroeder  
Joint Institute for Marine and Atmospheric Research  
Provide technical and operational support to members of the participating agencies to provide best-available fisheries data to scientists, researchers, and managers within the Joint Institute for Marine and Atmospheric Research (JIMAR), University of Hawaii (UH), National Marine Fisheries Service (NMFS), and the Western Pacific Regional Fisheries Management Council.

National Oceanic & Atmospheric Administration/Department of Commerce  
**$1,218,000**

*Enhancement of Data and Research Activities for Climate Studies at the International Pacific Research Center (IPRC)*  
Kevin P Hamilton  
Joint Institute for Marine and Atmospheric Research  
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 board range of ocean, atmosphere, and air sea flux and products for climate studies.

National Oceanic & Atmospheric Administration/Department of Commerce  
**$91,721**

*Changes in the Tropical Pacific Climate Variability During the Last Millennium: External Forcing Versus Internal Variability*  
Axel Timmermann  
Joint Institute for Marine and Atmospheric Research  
The sensitivity of the El Nino-Southern Oscillation to external climate forcing during the last 1,000 years will be studied using climate models as well paleo-climate reconstructions.

**DOD-Department of Defense**

Department of the Army  
**$826,000**

*Cultural Resources Actions in Support of Stryker Brigade at Oahu Military Reservations except Makua, Island of Oahu*  
David C Duffy  
Department of Botany  
Support the Army's ecosystem management program's efforts to conserve, protect, and enhance the cultural resources on military reservations on Oahu (except Makua) by surveying, recording, and reporting on significant archeological sites.

Department of the Army  
**$250,000**

*Court Ordered Cultural Resources Actions at Makua Military Reservation, Island of Oahu*  
David C Duffy  
Department of Botany  
Support the Army's ecosystem management program's efforts to conserve, protect, and enhance the cultural resources on Makua Military Reservation on Oahu by surveying, recording, and reporting on significant archeological sites.
**Gifts, Grants, and Contracts for September 2008**

**Research**

**DOD-Department of Defense**

Department of the Army

* Cultural Resources Actions in Support of Stryker Brigade at Pohakuloa Training Area, Island of Hawaii

David C Duffy

Department of Botany

Support the Army's ecosystem management program's efforts to conserve, protect, and enhance the cultural resources at the Pohakuloa Training Area by surveying, recording, and reporting on significant archeological sites.

Department of the Navy

* Marine Mammals: Hearing and Echolocation at Coconut Island

Paul E Nachtigall

Hawaii Institute of Marine Biology

Examine the hearing of marine mammals using the auditory evoked potential procedure in which hearing is measured by looking at the brain wave patterns in response to sound.

**DOE-Dept of Energy**

Department of Energy

* High Precision Timing, Integrated Photodetector Readout*

Gary S Varner

Department of Physics and Astronomy

Low, cost, high performance integrated circuit readout for photodetectors.

Department of Energy

* I. Structural and Mechanistic Studies of Doped Alanates; II. Kinetic Enhancement of Thermodynamically Tuned, High Capacity, Reversible Metal Hydrides*

Craig M Jensen

Department of Chemistry

Development of High Performance Hydrogen Storage Materials.

Department of Energy

* Development of High Yield, Tropical Feedstocks for Bioenergy*

Andrew G Hashimoto

College of Tropical Agriculture and Human Resources

Investigate the use of tropical grasses for conversion into liquid transportation fuels.

Department of Energy

* Synthesis of New Diamond-Like B-C Phases Under High Pressures and Temperatures*

Li-Chung Ming

Hawaii Institute of Geophysics and Planetology

Create a new diamond-like material using only Boron and Carbon.

**DOI-Dept of Interior**

National Park Service/Department of the Interior

* Developing and Evaluating Techniques for Controlling Invasive Plants*

David C Duffy

Department of Botany

Develop and evaluate weed control methods for efficacy in use on rare native habitat in Haleakala National Park.
Gifts, Grants, and Contracts for September 2008

Research

DOI-Dept of Interior

National Park Service/Department of the Interior $90,000
  Climate Monitoring Data
  David C Duffy Department of Botany
  Collaborate with NPS to implement a climate monitoring protocol to process, review and store climate data for status and trend analysis.

National Park Service/Department of the Interior $310,500
  Developing and Evaluating Techniques for Native Hawaiian Plant Restoration
  David C Duffy Department of Botany
  Evaluate weed removal techniques and document efficacy, differential results in target areas, and the need for post weed control restoration of native plants at Haleakala National Park.

National Park Service/Department of the Interior $110,212
  Identification of Ancient and Historic Trails in the Ala Kahakai Corridor in Kohala, Kona and Kau, Island of Hawaii
  Luciano Minerbi Department of Urban and Regional Planning
  Identification of ancient and historic trails in the Ala Kahakai Corridor in Kohala, Kona and Kau, Island of Hawaii.

National Park Service/Department of the Interior $261,026
  Experimental Removal of Selected Invasive Plants from Big Island Parks
  David C Duffy Department of 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.

U.S. Fish & Wildlife Service/Department of the Interior $20,743
  Molokai Black Buck Control Project
  David C Duffy Department of Botany
  Assess the size and distribution of the black buck population on Molokai and develop a control/eradication program with the local community.

U.S. Fish & Wildlife Service/Department of the Interior $1,175
  Project Support for HACCP Plan Implementation for the Kauai Invasive Species Committee
  David C Duffy Department of Botany
  Supplement the Kauai Invasive Species Committee's Hazard Analysis Critical Control Point plan for reducing Miconia.

U.S. Fish & Wildlife Service/Department of the Interior $6,000
  Avian Influenza Surveillance, KISC and OISC
  David C Duffy Department of Botany
  Provide rapid response to monitor dead birds for avian influenza on Oahu and Kauai.

U.S. Fish & Wildlife Service/Department of the Interior $78,778
  Plant Extinction Prevention Program
  David C Duffy Department of Botany
  Prevent the extinction of 54 plant species on Kauai at high risk for imminent extinction through propagule collection, tissue culture and propagation.
Gifts, Grants, and Contracts for September 2008

Research

DOI-Dept of Interior

U.S. Fish & Wildlife Service/Department of the Interior $5,094
MoMISC Albezia Eradication Project
David C Duffy Department of Botany
Supplement the Molokai Invasive Species Committee's early detection and rapid response efforts to control the invasive tree Albizia.

U.S. Geological Survey/Department of the Interior $50,000
Application of Radar Imagery as Input to a Rainfall-Runoff Model for the Kawela Watershed, Molokai
Aly I El-Kadi Water Resources Research Center
This study will use radar-inferred rainfall maps as input to a rainfall-runoff model for the Kawela watershed on Molokai in order to assess the effects on various climate and land cover scenarios on stream flow and groundwater recharge.

U.S. Geological Survey/Department of the Interior $37,500
National Assessment: Historical Shoreline Changes and Associated Coastal Land Loss Along Sandy Shorelines of the Islands Oahu, Maui, and Kauai
C H Fletcher Department of Geology and Geophysics
Analyze statistical techniques for determining long-term shoreline change rates and work with the national assessment co-op in statistical tool development for application to DSAS.

Foreign

Australian National University $4,364
Cosmology from Type 1a Supernovae
John L Tonry Institute for Astronomy
Funds used to fund investigations of cosmology using Type Ia supernovae.

Hawaii- Business and Other

Alakai Consulting and Engineering, Inc. $74,819
Dual-Use Standoff Raman Spectrometer (DUSRS)
Shiv K Sharma Hawaii Institute of Geophysics and Planetology
Building a conceptual design for an ideal UV stand-off Raman system.

Hawaii Farm Bureau Federation $27,500
Investigations into Macadamia Tree Dieback and Decline and Field Management Strategies to Alleviate the Problem
Mike A Nagao Department of Tropical Plant and Soil Sciences
Research on tree decline will be conducted to provide the macadamia industry and producers with strategies to overcome decline due to nutrient stress and disease.

North Shore Shark Adventures $6,500
Site Fidelity and Movement Patterns of Sharks Associated with Commercial Shark Watching Tours
Carl G Meyer Hawaii Institute of Marine Biology
We will equip sharks with small transmitters to determine their movement patterns.
Gifts, Grants, and Contracts for September 2008

Research

Hawaii- Government Agencies

County of Hawaii

Innovative Research Methods with Crop Production
Susan C Miyasaka  
Chancellor, Hawaii Community College
These two unique projects on innovative Research Methods with Crop Production can benefit the county with food self sufficiency in our communities with new research techniques, provide potential increase in vegetable and fruit production for consumers and local industry, and provide educational opportunities for community members, our youth, and visitors.

County of Hawaii

Crop Production for Sustainable Agriculture
Susan C Miyasaka  
Chancellor, Hawaii Community College
This grant proposal focuses on various crop production methods with research and educational outreach fostering a diverse and sustainable agricultural economy on Hawaii Island. These projects can benefit the county with food self sufficiency in our communities, provide niche marketing, and educational opportunities for community members, local youth, and visitors.

DLNR-Division of Aquatic Resources

A Recreation Management-by-Objectives Framework for Hawaii’s Coastal Resources: Application at Kealakekua Bay and Molokini Shoal
Brian W Szuster  
Department of Geography
The proposed project will develop a recreation management-by-objectives framework to assist the Hawaii Division of Aquatic Resources manage recreational activities in Hawaii’s coastal areas. The framework will be tested at Kealakekua Bay and Molokini Shoal Marine Life Conservation Districts.

DOH-Alcohol & Drug Abuse Division

Data Collection and Analysis of Substance Abuse Prevention Services
Shi-Jen He  
Center on the Family
Help to implement the ADAD Substance Abuse Prevention infrastructure work plan by providing a web-based data management system for data collection and management to satisfy program evaluation and report requirements.

Hawaii-Dept of Health

State Prevention Framework State Incentive Grant (SPF SIG) Epidemiology
Claudio R Nigg  
Office of Public Health Studies
The contract will be with the State of Hawaii, Department of Health, Alcohol and Drug Abuse Division, to provide epidemiological support for the Hawaii Strategic Prevention Framework State Incentive Grant (HI SPF-SIG) project, which is designed to reduce substance abuse in Hawaii.

Hawaii-Dept of Health

ADAD Needs Assessment Contract
Deborah A Goebert  
Department of Psychiatry
Conduct Hawaii Student Alcohol, Tobacco, and Drug Use Survey for the Department of Health, Alcohol and Drug Abuse Division (ADAD) and collaborate with ADAD in substance abuse treatment services for the youth and adult criminal justice population.

Hawaii-Dept of Land & Natural Resources

GIS Research on State Forest Lands
David C Duffy  
Department of Botany
Work cooperatively with DLNR on GIS mapping of forest fire response and development of a state forestry plan.
Gifts, Grants, and Contracts for September 2008

Research

Hawaii- Government Agencies

Hawaii-Dept of Land & Natural Resources $120,516
Green & Healthy Hawaii: Identifying & Introducing Alternative Ornamental Landscape Plants in Response to Invasive Species Issues
Andrew J Kaufman Department of Tropical Plant and Soil Sciences
This research project is to identify new ornamental plants for Hawaii's landscape industry that are not an invasive threat to the natural environment and to produce a reference publication of alternative ornamental plants for Hawaii's landscape industry use.

Hawaii-Dept of Transportation $233,089
Survey and Modeling Analysis of MS4 Highway Storm Runoff on Oahu, Hawaii
Clark C. K. Liu Water Resources Research Center
The proposed survey and analysis will bring about a better understanding of the impacts of storm runoff from Hawaii watersheds on the water quality of receiving waters. Specifically, it will investigate the impacts of storm water generated from H-1 and H-3 freeways on water quality conditions in Ala Wai Canal and Pearl Harbor.

Hawaii-U.S. Army Garrison $199,242
Flood and Stormwater Reuse Study
Roger W Babcock Water Resources Research Center
Conduct an inventory the current natural water resources and impoundment structures, determine drainage areas, determine structural integrity, and determine potential reuse of stormwater.

Hawaii- Health Organizations

Kaiser Permanente - HI $40,319
Hawaii Family DASH
Claudio R Nigg Office of Public Health Studies
This is a subcontract for the physical activity intervention and assessment portion and the data analysis for a project addressing childhood obesity through the physician and at home.

Kaiser Permanente - HI $9,757
Pacific Kids DASH for Health
Suzanne P. Murphy Cancer Research Center
This project will provide important information on the role of the DASH diet for obesity prevention in minority children. The study will integrate areas of nutrition, physical activity, social sciences, and epidemiology, to investigate interrelationships among food and the environment in promoting health.

Hawaii- Non-Profit Organizations

Partners in Development $25,000
Parenting Classes
Judith Miller Department of Nursing
A Series of 12 parenting classes will be designed and presented to the adult participants of the transitional housing shelter. Curriculum evaluation will be completed.
Gifts, Grants, and Contracts for September 2008

Research

Hawaii- Non-Profit Organizations

Tri-Isle Resource Conservation & Development Council $91,000
East Maui Watershed Protection
Clifford W Morden Department of Botany
Control and reduce invasive species in protected areas in the East Maui Watershed and record data to track the effectiveness of control techniques.

Univ of Hawaii Foundation $38,533
Human Papillomavirus (HPV) Infection and Barriers to Cervical Cancer control in American Samoa
Brenda Y Hernandez Cancer Research Center
The Specific Aims of this pilot project are to determine the feasibility of conducting a survey on the prevalence of cervical HPV infection among females 18+ in American Samoa, and to develop and pilot a KAP (knowledge, attitudes, practices) survey in English and Samoan languages to evaluate effectiveness of HPV vaccination and Pap smear screening in American Samoa.

Mainland- Business and Other

Concurrent Technologies Corporation $1,700
Sources of Radiation in the Hawaiian Islands with Emphasis for Environmental Excellence (NDCEE) from the University of Hawaii
Kenneth H Rubin Department of Geology and Geophysics
Define and describe natural radiation sources in specified regions on the islands of Oahu and Hawaii.

Jet Propulsion Lab $21,110
Testing the Disk Regulation Paradigm with Spitzer: Low Mass Stars
Lucas Cieza Institute for Astronomy
We propose to measure spectral types of those members of the young stellar cluster NGC (New General Catalogue) 2264 with known rotation periods and undetermined spectral types in order to construct a very clean sample of M3 and later type stars.

Jet Propulsion Lab $8,000
Binary Debris Disks: Follow-on Observations of Spitzer Discoveries
Nader Haghighipour Institute for Astronomy
Complete initial and analyze survey results of Spitzer telescope observations.

Jet Propulsion Lab $20,431
Investigating the Triggers of Starburst Activity in Galaxy Clusters
Harald Ebeling Institute for Astronomy
Use data from NASA's Spitzer space telescope to investigate starburst activity in galaxy clusters.

Jet Propulsion Lab $52,140
UV Processing of Ices Across the Rosette Molecular Cloud
Jacqueline Keane Institute for Astronomy
Analyze the absorption spectra of the Rosette Molecular Cloud.
Gifts, Grants, and Contracts for September 2008

Research

Mainland- Business and Other

Jet Propulsion Lab
Orographically Induced Ocean-Atmosphere Interaction: Satellite Observations and Numerical Modeling
Shang-Ping Xie Department of Meteorology
Conduct analysis of observations by the QuikSCAT and other NASA satellite observations for a better description and understanding of ocean-atmosphere interaction and climate.

MERCK & Co., Inc
Merk HPV Investigator - Initiated Studies Program Proposal
Brenda Y Hernandez Cancer Research Center
The one-year study will conduct Human Papillomavirus (HPV) DNA testing and genotyping and serologic testing, and data analysis from samples previously collected in the Male-Female HPV Study (CHS 13214) in which recruitment has closed. The overall objective of the study is to understand the transmission dynamic of HPV between male-female partners.

Smithsonian Astrophysical Observatory
Chandra Observations of (U) LIRGS with Double Nuclei: Search for Binary AGN and X-ray Luminous Starbusts
David Bruce Sanders Institute for Astronomy
We propose to observe with Chandra and carefully select from a complete sample of ultra luminous IRAS galaxies.

Southwest Research Institute
JUNO Science Support Phase B/C/D Activities
Tobias Owen Institute for Astronomy
Dr. Owen will provide guidance and review of all Education and Public Outreach activities. He will also assist in analysis, modeling and interpretation of models of Jupiter formation.

Space Telescope Science Institute
Boron in F Stars in the Hyades - Insights into the Li-Be Dip
Ann M Boesgaard Institute for Astronomy
Astronomical research on the Boron in F stars in the Hyades using the Hubble Space Telescope.

Space Telescope Science Institute
The Physical Parameters of the Hottest, Most Luminous Stars as a Function of Metallicity
Rolf-Peter Kudritzki Institute for Astronomy
Astronomical research using the Hubble Space Telescope on the ultraviolet and optical spectra of 25 Magellanic Cloud stars.

Mainland- Health Organizations

Mayo Clinic Foundation
NCCTG SUBAWARD AGREEMENT (Mayo Clinic Rochester dba Mayo Clinic College of Medicine)
Jonathan Cho Cancer Research Center
A Clinical Research Associate (CRA) assigned to the project will be responsible for clinical trial accrual of sponsor's cancer-related treatment and prevention studies. CRA will review eligibility criteria, assist in consenting patients, study registration, treatment and follow-up data to include specimen submission data and complete data forms to sponsor.
Gifts, Grants, and Contracts for September 2008

Research

Mainland- Health Organizations

Mayo Clinic Foundation

NCCTG Subaward Agreement (Mayo Clinic Rochester dba Mayo Clinic College of Medicine)
Jonathan Cho Cancer Research Center
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Mainland- Non-Profit Organizations

Alzheimer’s Association

Medicines from Marine Resources
Philip Williams Department of Chemistry
The development of an assay protocol for Alzheimer’s drug discovery and subsequent screening.

Arcadia Wildlife Preserve Inc

Genetic Architecture of Coral Reefs
Stephen Anthony Karl Hawaii Institute of Marine Biology
Genetic assessment of coral colonies on a reef in Kaneohe Bay, Oahu, Hawaii. This funding is for laboratory support.

NSABP Foundation Inc

Amendment #2 -- TFED38-- 118, Federal Master Purchased Services Agreement Treatment Protocols
Robert H Oishi Cancer Research Center
Project staff assist the Principal Investigator in enrolling patients on National Surgical Adjuvant Breast & Bowel Project (NSABP) protocols and oversees their protocol treatment and health care. Patient screening to determine patient eligibility, patient education, sponsor-required data submission and other protocol-related procedures are performed by CRCH staff.

National Aeronautics and Space Administration

National Aeronautics & Space Administration

NA10Nordic Summer School - Water, Ice and the Evolution of Life in the Universe / 2008 HI STAR Program
Karen J Meech Institute for Astronomy
Create summer program including posters, web-based application, materials and curriculum. Continue outreach for HI STAR program.

National Aeronautics & Space Administration

Thermal Infrared Spectroscopic Studies of Geologic Materials for Application to Earth and Mars
Victoria E. Hamilton Hawaii Institute of Geophysics and Planetology
Laboratory infrared spectroscopy studies of rocks and minerals having various surface roughness; information learned will increase our understanding of processes affecting infrared spectra of geologic materials, and will (eventually) help us to interpret data returned from NASA missions to Mars. Research will support PI’s new infrared laboratory in HIGP.
**Gifts, Grants, and Contracts for September 2008**

**Research**

**National Aeronautics and Space Administration**

- **Thermal Infrared Spectroscopic Studies of Geologic Materials for Application to Earth and Mars**
  - Victoria E. Hamilton
  - Hawaii Institute of Geophysics and Planetology
  - Laboratory infrared spectroscopy studies of rocks and minerals having various surface roughness; information learned will increase our understanding of processes affecting infrared spectra of geologic materials, and will (eventually) help us to interpret data returned from NASA missions to Mars. Research will support PI's new infrared laboratory in HIGP.

- **Mars Surface Composition in a Geological Context**
  - G Jeffrey Taylor
  - Hawaii Institute of Geophysics and Planetology
  - This project will use data from Mars mission to understand the formation and geological and geochemical evolution of the martian crust.

- **Detailed Investigations of Mars' Surface Mineralogy and Geology Using Visible to Infrared Data**
  - Victoria E. Hamilton
  - Hawaii Institute of Geophysics and Planetology
  - The proposal is to support a graduate student and the PI to perform analysis of infrared data of the Martian surface collected by ongoing NASA orbital missions.

- **Origin of Earth Water Mission Instrumentation Development Workshop**
  - Karen J Meech
  - Institute for Astronomy
  - Develop innovative research strategies for detection of small amounts of volatile outgassing from objects in the outer asteroid belt.

- **Search for WHIM in the Shapley Supercluster**
  - J Patrick Henry
  - Institute for Astronomy
  - We aim at the first significant detection of redshifted oxygen emission from the arm-hot intergalactic medium in the Shapley Supercluster.

**National Science Foundation**

- **Binding in Adult and Child Thai**
  - Kamil Ud Deen
  - Department of Linguistics
  - This proposal is to conduct six experiments in Bangkok, Thailand on 80 children aged 3-7 yrs, testing for knowledge of two supposedly universal principles of language called the Binding Conditions.

- **Genetics of Heterocyst Differentiation and Patterning**
  - Sean M Callahan
  - Department of Microbiology
  - Investigation of the role of a protein called HetF in the differentiation of heterocysts in the cyanobacterium Anabaena.
Gifts, Grants, and Contracts for September 2008

Research

National Science Foundation

National Science Foundation
Biodiversity Dynamics and Land-Use Changes in the Amazon: Multi-Scale Interactions Between Ecological Systems and Resource-Use Practices by Indigenous
Jose M Fragoso  Department of Botany
This project will test the hypothesis that traditional aspects of indigenous culture buffer the impacts of integration on resource use and therefore on biodiversity by quantifying social, economic, biological and land-use variables in and around 30 Macuxi indigenous communities in the northern Brazilian Amazon and modeling the dynamics of this coupled human-natural system.

National Science Foundation
International Collaboration in Chemistry: Redox Control of Chemical Bond Forming Reactions
David Vicic  Department of Chemistry
To develop electrocatalytic methods for enantioselective chemical bond forming reactions based on one-electron redox chemistry, with parallel efforts to identify new catalysts.

National Science Foundation
Oceanographic Technical Services 2006-2008, R/V Kilo Moana
Brian Taylor  School of Ocean and Earth Science and Technology
Support for technical services during NSF-Funded Programs on R/V Kilo Moana.

National Science Foundation
Collaborative Research: Hawaii Ocean Time-series Program: Biogeochemistry and Ecology Component
David M Karl  Department of Oceanography
To continue our 20-year field sampling, ocean time-series program at Station ALOHA, 100 km north of Oahu - Supplemental proposal requested by NSF.

National Science Foundation
Diversity and Ecology of Marine RNA Viruses
Grieg F Steward  Department of Oceanography
Sampling will be conducted in Kaneohe Bay to determine the diversity of planktonic RNA viruses, and to determine how the abundance of different virus types vary over time.

National Science Foundation
Pacific Research Center for Marine Biomedicine
Edward A Laws  Department of Oceanography
This supplement provides funds to cover costs associated with the compilation and printing of proceedings of the 2008 Joint NSF/NIEHS/NOAA Oceans and Human Health Centers.

National Science Foundation
I/URC Center for Bioenergy Research and Development
Scott Q Turn  Hawaii Natural Energy Institute
The proposal seeks to establish a Center for Bioprocessing Research and Development at the University of Hawaii to work on integrated biofuels production for renewable energy.

<table>
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<tr>
<th>Project Description</th>
<th>Amount</th>
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<td>International Collaboration in Chemistry: Redox Control of Chemical Bond Forming Reactions</td>
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<td>Diversity and Ecology of Marine RNA Viruses</td>
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<td>I/URC Center for Bioenergy Research and Development</td>
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Gifts, Grants, and Contracts for September 2008

Research

National Science Foundation

National Science Foundation
$19,844
U.S.-Japan Planning Visit: Hormonal Control of Body Fluid Homeostasis in Fish; Interactions Between Fast-acting and Slow-acting Hormones
E Gordon Grau Hawaii Institute of Marine Biology
To support and foster collaborative research between US and Japanese young scientists, post-doctoral fellows, and graduate students, focusing on the comparative hormonal control of fluid homeostasis in fishes. Establishing new methodologies and participation in mini-symposia and workshops will benefit developing scientists, promoting professional and personal relationships.

National Science Foundation
$187,646
The Global Fracture Zone and Magnetic Lineation Data Base Project
Paul Wessel Department of Geology and Geophysics
This project will develop infrastructure that lets the community of plate reconstruction scientist automatically obtain the best estimates of fracture zones and magnetic isochrons.

National Science Foundation
$123,194
Collaborative Research: Crustal Accretion and Mantle Processes Along the Subduction Influenced Eastern Lau Spreading Center
Robert A. Dunn Department of Geology and Geophysics
Active and passive source seismic experiment along the Eastern Lau Spreading Center to image crustal and mantle structure.

National Science Foundation
$404,581
Collaborative Research: Turbulent Fluxes and Boundary Layer Structure Due to Near-shore Internal Tides
Eugene R. Pawlak Department of Ocean and Resources Engineering
The proposed work will carry out field observations of near-bed turbulence and turbulent fluxes associated with shoaling internal tidal bores. The work will make use of real-time observations at the cabled Kilo Nalu Observatory.

US Colleges and Universities

Stanford University
$102,000
Institute for Astronomy Support for the SDO/HMI Investigation
Jeffrey R. Kuhn Institute for Astronomy
As part of a team headed by Stanford University, the Institute for Astronomy will work on the Helioseismic and Magnetic Imager data analysis methodology and coding to produce high level data needed for photometry and astrometry research.

Univ of Washington
$159,823
Diabetes Prevention Outcomes Study in Hawaii
Richard F Arakaki Department of Medicine
Maintain outcome measures and retention of the Diabetes Prevention Program cohort in Hawaii. Intervention of lifestyle modification and metformin treatment are continued during the course of this proposal in people at risk and who have developed diabetes. In addition, more extensive outcome measures will be obtained in participants who have developed diabetes.

University of California, Davis
$42,750
Funding for 2008 Hawaii IR-4 Food Use Field Projects
Michael K Kawate Department of Plant and Environmental Protection Sciences
To conduct field trials in agricultural crops to collect pesticide efficacy data and/or residue samples for analysis.
Gifts, Grants, and Contracts for September 2008

Research

US Colleges and Universities

University of California, Irvine $146,269
The Role of Evolution in Dengue Virus Emergence
Shannon N Bennett Dept of Trop Med, Medical Microbiology and Pharmacology
Dengue virus, causing fever with occasional hemorrhaging, is expanding worldwide, producing more frequent, severe epidemics. Evidence suggests genetic changes in circulating viruses underlie these dynamics. We compare virus sequence data from multiple populations all undergoing endemic/epidemic transitions for universal genetic factor.

University of California, San Francisco $246,539
Macrophage Targeted Therapy for HAD and HIV Disease (Project 3)
Cecilia M Shikuma Department of Medicine
The grant application continues Year 2 goals with establishing the clinical study and protocol in Hawaii to test new therapies for HIV-1-associated dementia.

University of Pittsburgh $15,000
Emerging Learning and Integrated Technologies Education (ELITE) Faculty Development Program
Benjamin W Berg John A. Burns School of Medicine
Support curriculum development and delivery; develop onsite and online distance learning presentations as ELITE workshop instructional partner; coordinate activities with learning partners.

Subcount: 136 Subtotal: $33,305,041

Non-Research

DA-Dept of Agriculture

Cooperative State Research, Education, & Extension Service/Department of Agriculture $1,528,082
University of Hawaii Agribusiness Education, Training and Incubator Project (AETI)
Ronald K Takahashi Chancellor, Kapiolani Community College
Agribusiness education, training, and incubator project to promote sustainable agriculture and promote the educational opportunities for underserved minorities in food and agriculture related fields of study.

DA-Natural Resources Conservation Service (NRCS) $15,930
2008 Stockman's Fall Field Day
Mark S Thorne Department of Human Nutrition, Food and Animal Sciences
The goals for this program are: (1) Inform producers on the practices and principles of behavior-based grazing management for improved animal performance, pasture condition, and ranch profitability; (2) Provide producers with information on emerging technology and advances in management; and (3) Provide participants with information on sustainable management practices.

Department of Agriculture $178,330
Professional Internship - PIPTIEM
Sharon Ziegler-Chong Pacific Aquaculture-UHH
Gifts, Grants, and Contracts for September 2008

Non-Research

**DA-Dept of Agriculture**

Department of Agriculture

Hawaii Volcanic Eruption - Impacts on Hawaii Agriculture

Wayne T Nishijima, College of Tropical Agriculture and Human Resources

Ranchers also have concerns about potential damage to grazing lands and potential toxic effects of flourine on cattle as it accumulates in forage plants. The project's goal is to help mitigate the impacts of this new eruption on farmers and ranchers on the island of Hawaii.

**DHHS-Dept of Health and Human Services**

National Cancer Institute/NIH/DHHS

Nutritional & Behavioral Cancer Prevention in a Multiethnic Population

Gertraud Maskarinec, Cancer Research Center

Grant will support postdoctoral training in cancer prevention and control research led by faculty at the Cancer Research Center of Hawaii and collaborators elsewhere at the University and health care organizations in Honolulu.

National Center for Research Resources/NIH/DHHS

Pacific Education and Research for Leadership in Science (PEARLS)

Kelley Marie Withy, Department of Complementary and Alternative Medicine

To increase science knowledge and interest in science careers through an inquiry-based science curriculum for 7th and 8th grade students in the Pacific region.

National Institute of Diabetes and Digestive and Kidney Diseases/NIH/DHHS

High School Students Step Up to Biomedical Research

George S N Hui, John A. Burns School of Medicine

Provide biomedical research training for high school students of ethnic minority and economically disadvantaged background.

National Institutes of Health/DHHS

PhD in Clinical Research

Rosanne C Harrigan, John A. Burns School of Medicine

Offer a PhD Program in Clinical Research.

National Institutes of Health/DHHS

Parallel MRI for Substance Abuse Research

Victor Andrew Stenge, Department of Medicine

Career development award - to continue as an independent investigator on won NIH projects as well as mentor junior investigators and participate in other clinical research projects.

**DOC-Dept of Commerce**

National Oceanic & Atmospheric Administration/Department of Commerce

Vessel Refurbishment

Bob Perkins, Chancellor, Honolulu Community College

Vessel refurbishment and update to allow training of students and facilitate having a operational vessel for on-board student classes in Small Vessel Handling and Seamanship.
Gifts, Grants, and Contracts for September 2008

Non-Research

DOD-Department of Defense

DOD-Naval Research Laboratory

DOD-Tripler Army Medical Center

Office of Naval Research

DOI-Dept of Interior

Department of Interior

National Park Service/Department of the Interior

National Park Service/Department of the Interior

National Park Service/Department of the Interior

U.S. Fish & Wildlife Service/Department of the Interior
Gifts, Grants, and Contracts for September 2008

Non-Research

DOI-Dept of Interior

U.S. Fish & Wildlife Service/Department of the Interior $13,622
Laboratory Equipment for the Conservation of Hawaiian Tree Snails Project
Michael G Hadfield Pacific Biosciences Research Center
The funds allocated will provide for equipment purchase for the Kewalo Snail Laboratory.

U.S. Geological Survey/Department of the Interior $28,000
Tropical Montane Cloud Forests
Sharon Ziegler-Chong Pacific Aquaculture-UHH

U.S. Geological Survey/Department of the Interior $52,947
Manage Mouflon
Sharon Ziegler-Chong Pacific Aquaculture-UHH

U.S. Geological Survey/Department of the Interior $38,551
Endangered Plant - HVNP
Sharon Ziegler-Chong Pacific Aquaculture-UHH

U.S. Geological Survey/Department of the Interior $17,000
Koa Community Ecology
Sharon Ziegler-Chong Pacific Aquaculture-UHH

U.S. Geological Survey/Department of the Interior $31,298
Molecular Tools
Sharon Ziegler-Chong Pacific Aquaculture-UHH

U.S. Geological Survey/Department of the Interior $45,700
Invasive Ants
Sharon Ziegler-Chong Pacific Aquaculture-UHH

U.S. Geological Survey/Department of the Interior $21,316
Habitat Selection - Hoary Bat
Sharon Ziegler-Chong Pacific Aquaculture-UHH
## Gifts, Grants, and Contracts for September 2008

### Non-Research

**DOI-Dept of Interior**

<table>
<thead>
<tr>
<th>Description</th>
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<tr>
<td>U.S. Geological Survey/Department of the Interior Unit Support &amp; Gen Activities</td>
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Gifts, Grants, and Contracts for September 2008

Non-Research

ED-Dept of Education

ED-Dept of Education $383,269
Student Support Services Program
Melven M Yoshimoto Vice Chancellor for Academic Affairs
Provide services and activities to increase retention and graduation rates of program-eligible students; foster campus climate to support students' success.

ED-Dept of Education $683,808
Education of Native Hawaiians: Pathways 2009
David K Sing Vice Chancellor for Student Affairs-UHH

ED-Dept of Education $191,593
Henry Ku‘ualoha Giugni Archives
Stephen Y Itoga Department of Information and Computer Sciences
The Henry Ku‘ualoha Giugni Archives will be a digital and material archive intended to perpetuate and share the special history and culture of Native Hawaiians and the people of Hawaii.

ED-Dept of Education $292,539
Student Support Services Program, fy 09
Melissa Johnson Vice Chancellor for Student Affairs-UHH

ED-Dept of Education $372,805
Educational Talent Search
Beth H Sanders Chancellor, Hawaii Community College
Provide services addressing academic preparedness/personal development to 900 low-income, first generation secondary school students and high school/college dropouts at 10 West Hawaii schools. Increase postsecondary enrollment by impacting completion rates, percentage of students completing admissions/financial aid applications, and individuals re-entering postsecondary options.

ED-Dept of Education $231,550
Honolulu Community College Student Support Services Project
Jolene Suda Chancellor, Honolulu Community College
Provide student support services to low-income, first generation college students and students with disabilities to increase the retention, graduation, and transfer rates of these students.

ED-Dept of Education $322,975
Kapiolani Community College - TRIO Student Support Services
Mona Lee Chancellor, Kapiolani Community College
Support services (academic and non-academic) for eligible low income, first generation in college, and students with disabilities enrolled at Kapiolani Community College. At selected participants must demonstrate need for academic support.

ED-Dept of Education $349,342
Students with Disabilities as Diverse Learners: Innovative Teaching Methods in Postsecondary Education
Robert A Stodden Center on Disability Studies
The ultimate goal of the proposed project is to improve faculty attitudes, knowledge, and practice, resulting in increased retention and completion of postsecondary education by students with disabilities.
Gifts, Grants, and Contracts for September 2008

Non-Research

ED-Dept of Education

ED-Dept of Education

Student Support Services
Roy Owen Inouye  Chancellor, Windward Community College
Support services for low income, first generation and disabled students.

ED-Dept of Education  $369,741

Redefining Student Services
Lui K Hokoana  Chancellor, Windward Community College
Improving student progress and increasing retention through additional intervention and opportunities. Developing capacity for continuous course and program improvement.

ED-Dept of Education  $132,675

Maui Community College Student Support Services Program
Alvin R Tagomori  Chancellor, Maui Community College
A program designed to promote postsecondary education for low-income, first generation MCC students.

ED-Dept of Education  $246,963

Title III for Native Hawaiian Serving Institutions - 84.031
Sandra Y Matsui  Chancellor, Honolulu Community College
Develop curriculum in Ocean Hawaii, Music Enterprise learning Experience and 1st Year Experience/Learning Communities.

ED-Dept of Education  $132,438

Strengthening Hawaiian Studies Access and Academic Quality
Douglas Dykstra  Chancellor, Hawaii Community College
Rural district distance education and support; Curriculum resource development; interdiscliplinary collaboration on new course development.

ED-Dept of Education  $132,438

UHM GEAR UP Waipahu
Amy Agbayani  Vice Chancellor for Student Affairs
GEAR UP Waipahu provides 675 low-income middle school students access to rigorous academic preparation and financial information to enter and succeed in postsecondary education. The program features an innovative language and culture education program, an online learning initiative, a strong parent involvement component, tutoring, mentoring, and professional development.

Office of Postsecondary Education/Department of Education  $132,438

Improving Engagement and Retention Among Underprepared Students
Michael H Pecskok  Chancellor, Leeward Community College
A grant to strengthen LCC's capacity to serve underprepared students (with emphasis on Native Hawaiian populations) and expand assessment and institutional research.
Gifts, Grants, and Contracts for September 2008

Non-Research

Federal Agencies

Department of Housing & Urban Development

Kamoleao Community Resource Center Project

Douglas Dykstra  
Chancellor, Hawaii Community College

Self-help construction of community resource center and relevant programs for Low-to-Moderate-Income youths, adults, and families in Hilo, Hawaii.

Department of Housing & Urban Development

Kanewai Cultural Resource Center

Wendell Perry  
Hawai‘inuiakea School of Hawaiian Knowledge

To construct a cultural resource center for Ka Papa Loi o Kanewai.

Department of Housing & Urban Development

Kekaha Community Enterprise Center

Charles Ramsey  
Chancellor, Kauai Community College

Kauai Community College in partnership with the Council for Native Hawaiian Advancement proposes the construction of the Kekaha Community Enterprise Center, to be located on Kekaha Hawaiian Homelands. Critical financial literacy counseling and basic skills courses will be offered. Capacity building for Kekaha Hawaiian Homes Association is also proposed.

Department of Justice

UHM Program Against Violence to Women

Christine A Quemuel  
Student Equity, Excellence, and Diversity

To provide training and education on campus on sexual assault, stalking and partner violence to reduce violence, increase victim safety and ensure perpetrator accountability.

National Endowment for the Humanities/Natl. Fndn. on the Arts & Humanities

Digital Access to Hawaii Newspapers 1880-1922

Joan Hori  
Library

The project will digitize (image, convert to text, and mark-up) and submit to the Library of Congress National Digital Newspaper Project important English language newspapers that have historically provided statewide (and prior to annexation to the United States, country wide) coverage and which have had significant influence on the archipelago.

National Sea Grant College Program

Insular Pacific Regional Research, Information Planning and Coordination

E Gordon Grau  
Sea Grant College Program

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.

Small Business Administration

Small Business Development Center

William Carter  
Chancellor, University of Hawaii at Hilo-UHH

$605,400

$799,907

$794,728

$249,994

$200,000

$50,000

$539,556
Gifts, Grants, and Contracts for September 2008

Non-Research

Federal Agencies

USAID $299,954
Catherine Chan-Halbrendt Department of Natural Resources and Environmental Management
To increase faculty and extension staff capacity to teach Masters degree program in agricultural economics and be effective in transferring agricultural economics skills to assist farmers and the food sector in Albania. The faculty will be from the Agricultural University in Albania and the extension staff will be from the Ministry of Agriculture.

Foreign

Government of American Samoa $545,512
Provide Technical Assistance for the Division of Special Education
Robert A Stodden Center on Disability Studies
Provide a variety of services and activities related to the development and delivery of University of Hawaii special education course work specifically designed for special education teachers to obtain their B.Ed in elementary education with a certification in special education.

Hawaii- Business and Other

Damien Memorial School $40,644
University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program-Damien Memorial School
Iris F Kimura Kinesiology and Leisure Science Department
Advanced education and research internship experience: A Board of Certification Athletic Trainer will participate in clinical and research experience in order to enhance the educational and research application of athletic training/sports medicine practice.

Damien Memorial School $42,274
University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program-Damien Memorial School
Iris F Kimura Kinesiology and Leisure Science Department
Advanced education and research internship experience: A Board of Certification Athletic Trainer will participate in clinical and research experience in order to enhance the educational and research application of athletic training/sports medicine practice.

Hawaii Council for the Humanities $8,378
Kennedy Theatre Page to Stage 2008-2009
Lurana D O'Malley Department of Theatre and Dance
Page to Stage 2008-2009 programming linking Kennedy Theatre production of Shakespeare's Macbeth and Brian Friel's Translations to the UHM departments and the community.

Kamehameha Schools $43,210
2008 Summer Career Exploration Program
Sharon Narimatsu Chancellor, Leeward Community College
Provide high school students the opportunity to explore a field that they may be interested in pursuing by enrolling in a 60-hour elective credit course during the summer.
Gifts, Grants, and Contracts for September 2008

Non-Research

**Hawaii- Business and Other**

Malama Kahalawai Inc  
Implementation of the West Maui Mountains Watershed Management Plan & Rare Species Protection for Wailuku Water Company Lands  
David C Duffy  
Department of Botany  
Reduce and reverse damage done by feral ungulates and mountain bikers from cutting trails into protected forest reserves in Wailuku.  

$100,992

Ololo Community Television  
University of Hawaii - Supplemental Projects 2007  
Hae K Okimoto  
Department of Information Technology Management  
Produce courses and programs for the public access channel, Oceanic 55.  

$454,751

Ololo Community Television  
Hawaii Educational Networking Consortium (HENC)  
David K Lassner  
Department of Information Technology Management  
To provide oversight of the two educational access cable television channels (channel 55 and 56) provided for accredited education on Oahu.  

$40,000

**Hawaii- Government Agencies**

City and County of Honolulu  
Elderly Affairs Division Legal Services Program  
James H Pietsch  
William Richardson School of Law  
Provide legal services to socially and economically elders 60 years old and older.  

$119,074

City and County of Honolulu  
Hanauma Bay Education Program 2008-12  
Darren K Okimoto  
Sea Grant College Program  
To provide technical and professional services to develop and manage and educate and interpretative program for the Hanauma Bay Nature Preserve.  

$482,407

County of Hawaii  
Production of a Video: Guava Production, Cycling for Constant Fruit Production  
Melvin S Nishina  
College of Tropical Agriculture and Human Resources  
The grant is to allow the production an educational video to show how to cycle guava trees to insure year round fruit production. The video will cover the entire process from pruning to harvest; including pruning, fertilizing and a discussion on common insects and diseases.  

$5,000

County of Hawaii  
Hilo Bay Wayfinding & Navigation Festival  
Rose Tseng  
Chancellor, University of Hawaii at Hilo-UHH  

$10,000
Gifts, Grants, and Contracts for September 2008

Non-Research

Hawaii- Government Agencies

DLNR-Division of Aquatic Resources
Development and Training of a Local Team for Rapid Response of Events of Coral Bleaching or Disease on the Reefs of Hawaii
Greta S Aeby Hawaii Institute of Marine Biology
The goal of the project is to assemble, train, and equip a local team for rapid response for events of coral bleaching or disease in Hawaii. A response team is needed to provide assessments regarding the extent and impact of events and recommendations for mitigation.

Hawaii-Dept of Education
Provide Kauai Teachers a Masters of Education & Dual Certification Program
Neil A Pateman College of Education
To offer a Secondary Master of Education in Curriculum Studies to teachers wishing to specialize in science or mathematics education.

Hawaii-Dept of Education
Statewide Improvement Grant Part II
Robert A Stodden 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.

Hawaii-Dept of Health
Graduate Assistant Research and Evaluation Project
Charles Mueller Department of Psychology
Psychology Department and Department of Health Child and Adolescent Mental Health Division (DOH-CAMHD) collaborate to provide research and evaluation training for graduate psychology students.

Hawaii-Off of Hawaiian Affairs
Aha Opio Alakai FY 09
David K Sing Vice Chancellor for Student Affairs-UHH

Hawaii-Off of Hawaiian Affairs
Na Pua Noeau FY 2009
David K Sing Vice Chancellor for Student Affairs-UHH

Kaululani Urban and Community Forestry Grant Program
Acquisition of Embossing Machine for Labeling Plant Collection
Christopher Dunn Lyon Aboretum
The Arboretum has over 12,500 plants in the plant collection, most of which are not labeled. Acquiring an embossing machine would give us the opportunity to attach essential information to trees, thereby providing greater value for staff, researchers, and the community, and helping us meet our mission and vision.
Gifts, Grants, and Contracts for September 2008

Non-Research

Hawaii- Health Organizations

Elam Sports Oahu
UHM Advanced Athletic Training Graduate Assistantship Program - Elam Sports
Iris F Kimura Kinesiology and Leisure Science Department
Advanced education and research internship experience: A Board of Certification Athletic Trainers will participate in clinical and research experiences in order to enhance the educational and research application of athletic training/sports medicine practice.

Kapiolani Medical Specialists
UHM - Advanced Athletic Training Graduate Assistantship Program - Kapiolani Medical
Iris F Kimura Kinesiology and Leisure Science Department
Advanced education and research internship experience: A Board of Certification Athletic Trainers will participate in clinical and research experiences in order to enhance the educational and research application of athletic training/sports medicine practice.

Hawaii- Non-Profit Organizations

Hawaii Assoc of Independent Schools
Hawaii Educational Networking Consortium (HENC)
David K Lassner Department of Information Technology Management
HENC serves to coordinate and advance education and research networks in the State of Hawaii.

Oahu Resource Conservation and Development
Agribusiness Training Guidebook
Charles M Kinoshita College of Tropical Agriculture and Human Resources
Consolidate available training information for farmers into a guidebook that covers basic agribusiness, financing, marketing, regulations, and agency services.

PAC 5
UHM Advanced Athletic Training Graduate Assistantship Program - Pac 5
Iris F Kimura Kinesiology and Leisure Science Department
Advanced education and research internship experience: A Board of Certification Athletic Trainer will participate in clinical and research experiences in order to enhance the educational and research application of athletic training/sports medicine practice.

PAC 5
UHM Advanced Athletic Training Graduate Assistantship Program - Pac 5
Iris F Kimura Kinesiology and Leisure Science Department
Advanced education and research internship experience: A Board of Certification Athletic Trainer will participate in clinical and research experiences in order to enhance the educational and research application of athletic training/sports medicine practice.
Gifts, Grants, and Contracts for September 2008

Non-Research

Hawaii- Non-Profit Organizations

Tri-Isle Resource Conservation & Development Council $230,000
Support for the Maui County Invasive Species Committee Project: Miconia Containment
David C Duffy Department of Botany
Prevent, control and eradicate the most serious invasive species threats in the county of Maui, focusing heavily on Miconia calvescens.

Univ of Hawaii Foundation $46,811
Hawaii War Records Depository
Janet K Zastrow Library
Hire a project archivist who will be responsible for the appraisal, arrangement, and intellectual description of approximately 224 linear feet of manuscripts, phonographs, discs, and microfilm in the HWRD Collection.

Univ of Hawaii Foundation $89,550
Capturing the Momentum: P3 Initiative
April Housman Ka Haka'Ula O Ke'Elikolani-UHH

Univ of Hawaii Foundation $5,000
Lyon Arboretum General Operating Account
Christopher Dunn Lyon Arboretum
To support the general operations of the Lyon Arboretum. Services provided include the maintenance of the facilities and grounds by student assistants, printing of newsletters and other publications, purchasing of field and office supplies, and other services that may be required.

Univ of Hawaii Foundation $10,758
Luce Foundation East Asian Archeology and Early History Initiative
Miriam T Stark Department of Anthropology
This agreement between University of Hawaii Foundation [via Luce Foundation] and University of Hawaii shall be initiated from UHF Account # 125-0030-4 to accommodate salary and fringe benefit expenses for University of Hawaii employee, Tianlong Jiao, whose job description is Assistant Professor (0.25% Asian Archeologist).

Univ of Hawaii Foundation $10,000
P-20 Expenditures
Linda K Johnsrud College of Education
To pay for salary and fringe cost for P-20 staff to provide event coordination support work and communicate with the partner organizations involved in the P-20 Initiative.

Univ of Hawaii Foundation $12,000
Lyon Arboretum Internship Program
Christopher Dunn Lyon Arboretum
To support the Lyon Arboretum Internship Program.
Gifts, Grants, and Contracts for September 2008

Non-Research

Mainland- Business and Other

Space Telescope Science Institute
Directly Detecting and Analyzing the First Self-Luminous Exoplanets Around Sunlike Stars
Michael C Liu Institute for Astronomy
Directly measuring colors, spectra, and luminosities will provide direct constraints on the temperatures and compositions of these objects, as well as clearly testing model predictions.

Mainland- Health Organizations

American Heart Association
Student Scholarship in Cardiovascular Disease & Stroke
Ralph Victor Shohet Department of Medicine
Student Scholarship in Cardiovascular Disease & Stroke.

Mainland- Non-Profit Organizations

American Society for Engineering Education
SMART Defense Scholarship for Thomas Ryan Swindle
Joshua E Barnes Institute for Astronomy
The SMART Program pays full tuition and mandatory fees for Thomas Ryan Swindle, made on behalf of the Department of Defense (DoD) by the American Society for Engineering Education (ASEE).

Haereticus Environmental Laboratory
Belize Rainy Season Samples
Gary Kent Ostrander Chancellor, University of Hawaii at Manoa
Analysis of Belize rainy season samples. Extraction of fish and conch samples, and analysis for target analytes using gas chromatography, mass spectrometry analysis.

Miscellaneous

Center for Tropical and Subtropical Aquaculture (CTSA)
Pacific Regional Aquaculture Information Service for Education (PRAISE) and Publications, Year 1--Publications Components
Andrew G Hashimoto College of Tropical Agriculture and Human Resources
Supply educators, industry members, and other key individuals in Hawaii and the American Insular Pacific with timely and relevant information, using the Internet, traditional print formats, and other media. Update this aquaculture community on the progress of projects supported by CTSA and other Regional Aquaculture Centers. Deliverables include a quarterly newsletter.

International Union of Nutritional Sciences
Financial Duties for the International Union of Nutritional Sciences (IUNS)
Laurence N Kolonel Cancer Research Center
Send annual dues notices to approximately 80 countries that are Adhering Bodies (ABs) of IUNS; Receive & deposit dies from ABs and sent receipts; Communicate as needed with ABs regarding overdue dues; Disperse funds as directed by Treasurer (Dr. S. Murphy); Maintain accurate financial records for UINS & provide a final report of expenditures.
**Gifts, Grants, and Contracts for September 2008**

**Non-Research**

**National Aeronautics and Space Administration**

- **Connecting and Constraining Data-Driven Solar Atmosphere Models Through Observations: Studying EUV Emission in Realistic Flare-CME Environments**
  - Ilia I Roussev, Institute for Astronomy
  - This project aims to include the important physics of Extreme Ultraviolet emission into a global 3D model of the solar atmosphere. This improved model will be used to best constrain observable properties of the corona as well as initiation mechanisms and subsequent evolution of solar flares and Coronal Mass Ejections.

  - **Total Budget:** $30,000

- **The Hawaii Space Grant Consortium: Educating the New NASA Workforce**
  - The proposed effort outlines the goals carried out by the Hawaii Space Grant Consortium to support NASA science education and workforce development activities.

  - **Total Budget:** $330,000

- **The Hawaii NASA EPSCoR Program: Educating the New NASA Workforce**
  - This proposal details workforce development activities that will result in training for students, faculty, and staff working with the Hawaii Space Flight Lab.

  - **Total Budget:** $250,000

- **Thermal Histories of Small Bodies in the Solar System**
  - Eric J. Gaidos, Department of Geology and Geophysics
  - This is an observational and theoretical project to investigate the thermal processes that affected planet-building material in the early Solar System.

  - **Total Budget:** $30,000

**National Science Foundation**

- **FIRE UP (Faculty Integration, Research, and Engagement in Urban Polynesia)**
  - Leon Richards, Chancellor, Kapiolani Community College
  - Project funds will support the training and professional development of 20 Science, Technology, Engineering, and Math faculty and the integration of pedagogical innovations into the STEM program as it is institutionalized at KCC.

  - **Total Budget:** $650,000

- **University of Hawaii Ship Operation 2005-2009**
  - Brian Taylor, Department of Geology and Geophysics
  - Continuation of NSF-Funded Operations of R/V Kilo Moana.

  - **Total Budget:** $1,553,213

- **Pacific Ocean Literacy for Youth, Publics, Professionals and Scientists (POLYPPS)**
  - Patricia A Cooper, School of Ocean and Earth Science and Technology
  - Training educators and scientists to effectively communicate ocean sciences to a multi-ethnic population expressing a range of cultural contexts. POLYPPS is a collaboration whose partners include universities, community colleges, research institutes, professional societies, aquariums, museums, community organizations, government agencies and private companies.

  - **Total Budget:** $49,999
## Gifts, Grants, and Contracts for September 2008

### Non-Research

#### US Colleges and Universities

<table>
<thead>
<tr>
<th>Organization</th>
<th>Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Southern California</td>
<td>$40,000</td>
<td>Probability Elicitation BMI Bioterrorism</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stephen C Hora College of Business and Econ-UHH</td>
</tr>
<tr>
<td>Utah State University</td>
<td>$2,000</td>
<td>Hawaii Natural Farming Swine Tour</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Michael W Dupont Department of Human Nutrition, Food and Animal Sciences</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Swine farm and feed processing plant tour.</td>
</tr>
</tbody>
</table>

Subcount: 105

Count: 241

Subtotal: $19,302,621

Total: $52,607,662
Funds Received from UH Foundation for 09/01/2008 - 09/30/2008

Non-Research

Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation                      $5,000
"Lyon Arboretum General Operating Account"
Dunn, Christopher                             Lyon Aboretum
To support the general operations of the Lyon Arboretum. Services provided include the
maintenance of the facilities and grounds by student assistants, printing of newsletters and other
publications, purchasing of field and office supplies, and other services that may be required.

Univ of Hawaii Foundation                      $12,000
"Lyon Arboretum Internship Program"
Dunn, Christopher                             Lyon Aboretum
To support the Lyon Arboretum Internship Program.

Univ of Hawaii Foundation                      $89,550
"Capturing the Momentum: P3 Initiative"
Housman, April                                 Ka Haka'Ula O Ke'Elikolani-UHH

Univ of Hawaii Foundation                      $10,000
"P-20 Expenditures"
Johnsrud, Linda K                             College of Education
To pay for salary and fringe cost for P-20 staff to provide event coordination support work and
communicate with the partner organizations involved in the P-20 Initiative.

Univ of Hawaii Foundation                      $10,758
"Luce Foundation East Asian Archeology and Early History Initiative"
Stark, Miriam T                                Department of Anthropology
This agreement between University of Hawaii Foundation [via Luce Foundation] and University of
Hawaii shall be initiated from UHF Account # 125-0030-4 to accommodate salary and fringe benefit
expenses for University of Hawaii employee, Tianlong Jiao, whose job description is Assistant
Professor (0.25% Asian Archeologist).

Univ of Hawaii Foundation                      $46,811
"Hawaii War Records Depository"
Zastrow, Janet K                               Library
Hire a project archivist who will be responsible for the appraisal, arrangement, and intellectual
description of approximately 224 linear feet of manuscripts, phonographs, discs, and microfilm in the
HWRD Collection.

Research

Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation                      $38,533
"Human Papillomavirus (HPV) Infection and Barriers to Cervical Cancer control in
American Samoa"
Hernandez, Brenda Y                           Cancer Research Center
The Specific Aims of this pilot project are to determine the feasibility of conducting a survey on the
prevalence of cervical HPV infection among females 18+ in American Samoa, and to develop and
pilot a KAP (knowledge, attitudes, practices) survey in English and Samoan languages to evaluate
Funds Received from UH Foundation for 09/01/2008 - 09/30/2008

Research

Hawaii- Non-Profit Organizations

  effectiveness of HPV vaccination and Pap smear screening in American Samoa.

Count: 7  Total: $212,652
Extramural Research Awards
for the Month of
September 2008
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>17</td>
<td>$1,919,184</td>
<td>5.76%</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>15</td>
<td>$11,852,144</td>
<td>35.59%</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>23</td>
<td>$11,202,835</td>
<td>33.64%</td>
</tr>
<tr>
<td>DOD-Department of Defense</td>
<td>4</td>
<td>$2,481,350</td>
<td>7.45%</td>
</tr>
<tr>
<td>DOE-Dept of Energy</td>
<td>4</td>
<td>$869,754</td>
<td>2.61%</td>
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<tr>
<td>DOI-Dept of Interior</td>
<td>12</td>
<td>$1,221,028</td>
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<tr>
<td>Foreign</td>
<td>1</td>
<td>$4,364</td>
<td>0.01%</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>3</td>
<td>$108,819</td>
<td>0.33%</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>10</td>
<td>$1,467,313</td>
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<tr>
<td>Hawaii- Health Organizations</td>
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<td>$50,076</td>
<td>0.15%</td>
</tr>
<tr>
<td>Hawaii- Non-Profit Organizations</td>
<td>3</td>
<td>$154,533</td>
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<tr>
<td>Mainland- Business and Other</td>
<td>11</td>
<td>$376,800</td>
<td>1.13%</td>
</tr>
<tr>
<td>Mainland- Health Organizations</td>
<td>2</td>
<td>$29,450</td>
<td>0.09%</td>
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<tr>
<td>Mainland- Non-Profit Organizations</td>
<td>3</td>
<td>$172,877</td>
<td>0.52%</td>
</tr>
<tr>
<td>National Aeronautics and Space Administration</td>
<td>7</td>
<td>$124,503</td>
<td>0.37%</td>
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<tr>
<td>National Science Foundation</td>
<td>13</td>
<td>$557,630</td>
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</tr>
<tr>
<td>US Colleges and Universities</td>
<td>6</td>
<td>$712,381</td>
<td>2.14%</td>
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<tr>
<td><strong>Total:</strong></td>
<td><strong>136</strong></td>
<td><strong>$33,305,041</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
# Extramural Non-Research Awards for the Month of September 2008

## 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>4</td>
<td>$1,766,812</td>
<td>9.15%</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>5</td>
<td>$1,117,399</td>
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</tr>
<tr>
<td>DOC-Dept of Commerce</td>
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<td>$36,264</td>
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<tr>
<td>DOD-Department of Defense</td>
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<tr>
<td>DOI-Dept of Interior</td>
<td>21</td>
<td>$722,750</td>
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<tr>
<td>ED-Dept of Education</td>
<td>15</td>
<td>$4,514,574</td>
<td>23.39%</td>
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<tr>
<td>Federal Agencies</td>
<td>8</td>
<td>$3,539,539</td>
<td>18.34%</td>
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<tr>
<td>Foreign</td>
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<td>Hawaii- Business and Other</td>
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<td>Hawaii- Government Agencies</td>
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<td>$2,439,169</td>
<td>12.64%</td>
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<td>Hawaii- Health Organizations</td>
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<td>Hawaii- Non-Profit Organizations</td>
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<tr>
<td>Mainland- Non-Profit Organizations</td>
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<td>$25,750</td>
<td>0.13%</td>
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<tr>
<td>Miscellaneous</td>
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<td>$9,500</td>
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<tr>
<td>National Aeronautics and Space Administration</td>
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<tr>
<td>National Science Foundation</td>
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<td>$2,253,212</td>
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<tr>
<td>US Colleges and Universities</td>
<td>2</td>
<td>$42,000</td>
<td>0.22%</td>
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## Total:

<table>
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<th>NO. OF AWARDS</th>
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<th>PERCENT</th>
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<tbody>
<tr>
<td>105</td>
<td>$19,302,621</td>
<td>100%</td>
</tr>
</tbody>
</table>
## Extramural Research Awards
### Year to Date: 07/01/08 - 09/30/08
### Distribution by Sponsors

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
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<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>50</td>
<td>$5,549,852</td>
<td>6.65%</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>41</td>
<td>$22,445,786</td>
<td>26.91%</td>
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<tr>
<td>DOC-Dept of Commerce</td>
<td>45</td>
<td>$18,926,059</td>
<td>22.69%</td>
</tr>
<tr>
<td>DOD-Department of Defense</td>
<td>12</td>
<td>$3,403,500</td>
<td>4.08%</td>
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<tr>
<td>DOE-Dept of Energy</td>
<td>8</td>
<td>$1,465,021</td>
<td>1.76%</td>
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<td>DOI-Dept of Interior</td>
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<td>Hawaii- Business and Other</td>
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<td>$5,318,948</td>
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<tr>
<td>Hawaii- Health Organizations</td>
<td>7</td>
<td>$125,064</td>
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<tr>
<td>Hawaii- Non-Profit Organizations</td>
<td>17</td>
<td>$669,231</td>
<td>0.80%</td>
</tr>
<tr>
<td>Mainland- Associations, Foundations, Societies, etc.</td>
<td>1</td>
<td>$23,193</td>
<td>0.03%</td>
</tr>
<tr>
<td>Mainland- Business and Other</td>
<td>34</td>
<td>$2,576,363</td>
<td>3.09%</td>
</tr>
<tr>
<td>Mainland- Health Organizations</td>
<td>4</td>
<td>$69,450</td>
<td>0.08%</td>
</tr>
<tr>
<td>Mainland- Non-Profit Organizations</td>
<td>5</td>
<td>$274,652</td>
<td>0.33%</td>
</tr>
<tr>
<td>National Aeronautics and Space Administration</td>
<td>34</td>
<td>$2,551,027</td>
<td>3.06%</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>54</td>
<td>$13,678,298</td>
<td>16.40%</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
<td>15</td>
<td>$1,083,935</td>
<td>1.30%</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>393</strong></td>
<td><strong>$83,399,073</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

The data shows the distribution of extramural research awards by sponsors for the period from July 1, 2008, to September 30, 2008. The total number of awards is 393, with a total amount of $83,399,073. The largest contributor is the DHHS-Dept of Health and Human Services with 41 awards totaling $22,445,786, followed by the DOC-Dept of Commerce with 45 awards totaling $18,926,059. The smallest contributor is the Mainland- Health Organizations with 4 awards totaling $69,450. The distribution of awards is shown in the table above.
Extramural Non-Research Awards
Year to Date: 07/01/08 - 09/30/08
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>9</td>
<td>$2,728,051</td>
<td>4.42%</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>14</td>
<td>$3,412,101</td>
<td>5.52%</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>4</td>
<td>$406,211</td>
<td>0.66%</td>
</tr>
<tr>
<td>DOD-Department of Defense</td>
<td>5</td>
<td>$1,058,889</td>
<td>1.71%</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>25</td>
<td>$1,008,193</td>
<td>1.63%</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>56</td>
<td>$25,630,108</td>
<td>41.50%</td>
</tr>
<tr>
<td>Federal Agencies</td>
<td>10</td>
<td>$3,591,539</td>
<td>5.81%</td>
</tr>
<tr>
<td>Foreign</td>
<td>3</td>
<td>$655,006</td>
<td>1.06%</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>18</td>
<td>$1,449,851</td>
<td>2.35%</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>56</td>
<td>$10,524,146</td>
<td>17.04%</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>8</td>
<td>$398,469</td>
<td>0.65%</td>
</tr>
<tr>
<td>Hawaii- Non-Profit Organizations</td>
<td>34</td>
<td>$2,246,712</td>
<td>3.64%</td>
</tr>
<tr>
<td>Mainland- Business and Other</td>
<td>3</td>
<td>$223,172</td>
<td>0.36%</td>
</tr>
<tr>
<td>Mainland- Health Organizations</td>
<td>1</td>
<td>$2,000</td>
<td>0.00%</td>
</tr>
<tr>
<td>Mainland- Non-Profit Organizations</td>
<td>4</td>
<td>$138,729</td>
<td>0.22%</td>
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<tr>
<td>Miscellaneous</td>
<td>2</td>
<td>$9,500</td>
<td>0.02%</td>
</tr>
<tr>
<td>National Aeronautics and Space Admin</td>
<td>5</td>
<td>$1,928,027</td>
<td>3.12%</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>9</td>
<td>$4,890,122</td>
<td>7.92%</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
<td>10</td>
<td>$1,462,913</td>
<td>2.37%</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>276</strong></td>
<td><strong>$61,763,739</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
B. Pursuant to Act 6, Special Session 2008 (SB 2263), the following proposed compensation actions for excluded executives are disclosed for purposes of public comment.

UNIVERSITY OF HAWAI‘I AT MĀNOA

Executive

BEH, HAZEL G.
Interim Associate Dean for Academic Affairs
William S. Richardson School of Law
Special Salary Adjustment
$15,918 per month
September 22, 2008

COOPER, PATRICIA A.
Associate Dean
School of Ocean and Earth Science and Technology
Special Salary Adjustment
$13,750 per month
October 1, 2008

LIU, JUANITA C.
Interim Dean
School of Travel Industry Management
Appointment
$13,250 per month
November 1, 2008 – October 31, 2009

UNIVERSITY OF HAWAI‘I AT HILO

Executive

NAGATA, STEPHANIE E.
Interim Director
Office of Mauna Kea Management
Special Salary Adjustment
$8,668 per month
July 1, 2008

SCAZZOLA, APRIL K.
Interim Dean
Office of Continuing Education and Community Service
Special Salary Adjustment
$8,834 per month
September 1, 2008
COMMUNITY COLLEGES

Executive

HIATT, RALPH J. W. K.
Director of the Pacific Aerospace Training Center
Honolulu Community College
Special Salary Adjustment
$6,584 per month
July 1, 2008

KAM, RALPH T.
Dean
Honolulu Community College
Special Salary Adjustment
$7,084 per month
July 1, 2008
MEMORANDUM

TO: Allan Landon
   Chairman, Board of Regents

FROM: David McClain
       President

SUBJECT: General Funds Operating Budget for Fiscal Years 2010 and 2011

ACTION REQUESTED:

The Board of Regents is requested to approve the attached General Funds Operating Budget for the University of Hawai‘i for fiscal years 2010 and 2011, involving a reduction in the University’s general funds budget base of $13.5 million to $727.3 million and $734.3 million respectively, to be financed by a combination of general funds expenditure reductions and a transfer of program expenditures to funding by special, revolving or Federal funds, as described below.

The Board of Regents is also requested to approve, on a contingency basis, additional general funds budget base reductions of $22.0 million, to $718.7 million and $725.8 million respectively, and $30.6 million, to $710.2 million and $717.2 million respectively, for fiscal years 2010 and 2011, again financed by a combination of general funds expenditure reductions and a transfer of program expenditures to funding by special, revolving or Federal funds, as described in this memorandum.

EFFECTIVE DATE:

Upon Board of Regents approval.

BACKGROUND:

As described at the Board of Regents meeting in August, 2008 at Windward Community College, the University has developed a general funds operating budget request for an additional $35 to $40 million dollars in each of the next two fiscal years. This request was developed in accordance with BOR policy, via the customary process of (a) Stocktaking followed by (b) a review by a Biennium Budget Advisory Committee including representatives from the Student Caucus, the All Campus Council of Faculty Senate Chairs and the Pūko’a Council as well as the leadership of the baccalaureate campuses and the community colleges, and (c) final decisions by the President.

In mid-September 2008, the University received general funds budget instructions from the Department of Budget and Finance for fiscal years 2010 and 2011. Reflecting the current economic slowdown, these instructions called for the University to develop a general funds operating budget for the next two fiscal years lower than the current fiscal year 2009 general funds operating budget, and encouraged the University to use other sources of funds (special, revolving and Federal funds) to sustain its services to its constituents. A copy of these instructions is provided in Attachment 1.
The amount of general funds reduction directed was a minimum of $13.5 million, rising
$8.5 million to $22.0 million in a more severe scenario, and rising another $8.6 million to
$30.6 million in the most severe scenario.

These requested reductions come at a time when the University’s enrollment for the fall
2008 semester is at an all-time high, at nearly 53,500, an increase of almost 3,000 students from
last year’s levels. In the 2000 academic year, UH enrollment across all ten campuses was
about 44,500.

The University’s response to these new instructions has been discussed with the Student
Caucus, the All Campus Council of Faculty Senate Chairs and the Pūko’a Council, with the
Council of Chancellors, and with the University Community Partnership, an informal body
established in 1997 which advises the President.

Based on these consultations and discussions, and the needs of an expanded student
body, I have concluded that, in order to meet one-third ($4.5 million) of the minimum
$13.5 million requested reduction, the University will use anticipated increases in other sources
of funds (special, revolving and Federal funds) expected to accrue during the next biennium, as
well as carryover balances in these accounts.

To meet the other two-thirds ($9.0 million) of the requested reduction, the University will
reduce general funds spending as described in Attachment 2.

The University anticipates being able to meet the additional funding requirements of the
more severe scenario and most severe scenarios, if necessary, via the utilization of anticipated
increases in other sources of funds (special, revolving and Federal funds) expected to accrue
during the next biennium, as well as carryover balances in these accounts.

ACTION REQUESTED:

The Board of Regents is requested to approve the attached General Funds Operating
Budget for the University of Hawai‘i for fiscal years 2010 and 2011, involving a reduction in the
University’s general funds budget base of $13.5 million to $727.3 million and $734.3 million
respectively, to be financed by a combination of general funds expenditure reductions and a
transfer of program expenditures to funding by special, revolving or Federal funds.

The Board of Regents is also requested to approve, on a contingency basis, additional
general funds budget base reductions of $22.0 million, to $718.7 million and $725.8 million
respectively, and $30.6 million, to $710.2 million and $717.2 million respectively, for fiscal years
2010 and 2011, again financed by a combination of general funds expenditure reductions and a
transfer of program expenditures to funding by special, revolving or Federal funds, as described
in this memorandum.

Attachments
September 11, 2008

FINANCE MEMORANDUM

TO: All Department Heads

FROM: Georgina K. Kawamura
Director of Finance


The following policies and guidelines shall be used in preparing the Executive Budget Request for FB 2009-11 and the Program and Financial Plan (PFP) for the period 2009-2015.

General Background

After several years of extraordinary expansion, Hawaii’s growth rates have now settled into a much more modest range. The housing bubble and credit market difficulties continue to have negative reverberations throughout the U.S. economy, and the sharp increases in commodity and fuel costs have had a global impact, particularly on travel and transportation. In Hawaii, we have witnessed a downturn in tourism and construction, two principal drivers of our local economy.

Reflecting the softening economy, general fund tax collections increased by only 1.2% in FY 08. In contrast, the increases for previous years were 8.3% in FY 04, 16% in FY 05, 10.9% in FY 06, and 3.4% in FY 07.

While we had anticipated a certain degree of moderation in the growth of our local economy, the extent of the slowdown was greatly affected by unforeseen developments in the national and global markets. These economic concerns have been a limiting factor on expenditure policies for FYs 08 and 09. As revenue projections were revised downward by the Council on Revenues, appropriate measures were taken to control spending and limit the State’s exposure to economic and financial uncertainties.

At the most recent meeting on September 3, 2008, the Council on Revenues retained its previous forecast of July 31, 2008, when the growth rate of general fund tax revenues was...
reduced to 1.0% for FY 09, 4.0% for FY 10, and 3.9% for FY 11. Projections for the out-years were between 4.3% and 6.0%.

Budget preparation policies for FB 2009-11 must take into account these revenue projections and the prospect of continued moderation in the economy. In managing the changes brought about by a new fiscal environment, our goal is to achieve fiscal prudence and balance in the upcoming fiscal biennium.

The State’s Fiscal Condition

The State’s general fund revenues have continued to fall short of projections. Updated revenue estimates by the Council on Revenues for the period covering the current FB 2007-09 through the next FB 2009-11 show that total resources will be insufficient to meet the level of expenditures authorized in the 2008 Legislative Session (including the FY 09 Supplemental Budget and other specific appropriations). The general funds gap is projected to be over $900 million. Under these extraordinary financial circumstances, immediate and substantial actions are needed to balance the General Fund.

The expenditure side of the State budget continues to show significant growth due to expanded services, collective bargaining costs and fringe benefit obligations. In view of these underlying costs, departments must exercise utmost prudence in planning for their budgets in the upcoming fiscal biennium. As in the past, we shall intensify efforts toward improving efficiency and reducing costs in all areas of State government activities and services.

I. General Policies

The following general policies are hereby provided for the development of the Executive Budget Request for FB 2009-11.

1. As indicated in Finance Memorandum No. 08-09 dated August 26, 2008, preparation of the FB 2009-11 Executive Budget Request began with all departments and agencies conducting a critical review and assessment of their current budget bases. The objective is to determine the essential services that are needed to implement the core functions of each department. Good budgeting requires us to undertake this task regularly and our current fiscal condition demands no less.

2. Given the limited growth in revenues projected for the budget and planning period, substantial adjustments must be made to total expenditures so that the State can live within its means. While budget adjustments and reductions are central to the goal of developing a balanced budget, they will not be the only course. We will be pursuing other appropriate fiscal measures to supplement budgetary actions.

3. For operations, the Biennium Budget will be based on FY 09 appropriations from Act 158, SLH 2008, minus necessary adjustments. Individual departmental budget ceilings are established for all departments by the Department of Budget and Finance (B&F). Under their respective budget ceilings, departments are authorized and encouraged to recommend trade-offs and transfers within and among programs under their purview to reflect the departments’ current priorities and changing conditions.
4. Departments with general fund support are required to develop and submit their budget requests at three levels of operation and funding limit. These contingency plans are needed to realign State government programs and expenditures with resource availability as necessary. More detailed instructions are provided in Attachment 2, General Budget Guidelines for Operating and Capital Improvement Projects, FB 2009-11 and the Planning Period.

5. In light of the limited availability of general funds, departments should maximize efforts to use non-general funds, as appropriate, to support their programs. Federal funds, special funds, and other available funding sources should be considered as a replacement for general funds. Except as otherwise provided by law, special or other funds authorized to receive general revenue receipts, or general fund appropriations, should consider the feasibility of discontinuing (deleting) such general fund support. As necessary, separate legislation should be proposed to discontinue such support and to transfer remaining general fund balances.

6. For the upcoming biennium, the Capital Improvement plan shall focus on an expanded Major Repair and Maintenance program to get projects out quickly to address the current backlog and, at the same time, provide a stimulus to Hawaii’s economy. Planning, design or construction of new buildings to be funded with general obligation bonds is greatly discouraged.

7. Pursuant to Section 37-68(1), HRS, any proposal for new programs, regardless of funding sources, must demonstrate that such programs are appropriate functions of State government and can be implemented by government as cost-effectively as by the private sector.

8. Departments should be prepared to initiate necessary enabling legislation, or appropriate rule changes, to coincide with budget requests, as applicable.

9. As a reminder, legislative proposals containing specific/emergency appropriations or affecting revenues must obtain clearance from the Governor’s Policy Office. The B&F analysts should be informed as part of the budget review. (Form A, Request for Operating Budget Adjustment, should be used to provide the necessary information to justify the request.)

II. Submission Requirements and Format

1. Biennium Budget requests shall be submitted according to the requirements and formats as specified in the attachments.

2. All budget submissions will be subject to review and evaluation by B&F and the Governor. Worksheets and other supporting details may be requested and should be made available upon request.
III. Due Dates

The following must be provided to this office:

- By **August 1, 2008**: Completed Form CB-1 for Collective Bargaining non-salary cost data.

- By **August 29, 2008**: Proposed changes to Program Performance Measures, as applicable.

- By **October 10, 2008**: Three budget packages to reflect the three funding levels. Each package includes two copies of each budget submission, including Forms OB, A, B and C (relating to the operating budget) and Tables P, Q, R, Form S and Form PAB (relating to the CIP budget). In addition, electronic files of Forms B, C and S should be transmitted to your B&F analyst.

- By **December 10, 2008**: 1) Two copies of updated BJ Summary Tables in hardcopy/eBUDDI/Excel files/other electronic files; 2) two copies of the Budget Narrative; 3) updated Performance Measures in eANALYT; and 4) two copies of Tables P and Q, updated in eCIP, and Form PAB. All items should reflect the final Executive Biennium Budget Request.

- By **January 5, 2009**: Updated budget details in eBUDDI/Excel files/other electronic format matching the Table BJ summary amounts, and two copies of Table R, updated in eCIP. All items should reflect the final Executive Biennium Budget Request.

Departments will be notified later of the timetable for B&F recommendations, departmental rebuttals, and Governor's decisions on the Biennium Budget.

Attachments

Attachment 1: Departmental Budget Ceilings

Attachment 2: General Budget Guidelines for Operating and CIP

Attachment 3: Additional Operating Budget Detail Guidelines

Attachment 4: Collective Bargaining Cost Data (sent out earlier under separate Finance Memorandum 08-07, dated May 14, 2008)

Attachment 5: Operating Budget Submission (Forms OB, A, B, C)

Attachment 6: CIP Submission (Tables P, Q, R, Form S, Form PAB)

Attachment 7: Instructions for Preparing Program and Financial Plans and Program Budget Requests (September 2008)
<table>
<thead>
<tr>
<th>CAMPUS</th>
<th>PROGRAM ID</th>
<th>DESCRIPTION OF REDUCTION</th>
<th>FTE</th>
<th>AMOUNT</th>
</tr>
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<tbody>
<tr>
<td>UH Manoa</td>
<td>UOH 100</td>
<td>Reduction In Electricity Expenditures By Implementing Conservation Measures</td>
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<td>(3,000,000)</td>
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<td>Deferral Of Filling Vacant Positions</td>
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<td>(7,872,955)</td>
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<td>UH Hilo</td>
<td>UOH 210</td>
<td>Non Instructional Program Salaries</td>
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<td>Non Instructional Program Non-Salaries</td>
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<td>(141,020)</td>
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<td>Instructional Programs Salaries</td>
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<td>Instructional Programs Non-Salaries</td>
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<td>Transfer of funding for General Fund program expenditures to special, revolving, Federal or other available sources of funds</td>
<td>0.00</td>
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<td>(1,217,726)</td>
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<td>UH West Oahu</td>
<td>UOH 700</td>
<td>Deferred Hiring of Instructional Positions</td>
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<td>(127,504)</td>
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<td>Transfer of funding for General Fund program expenditures to special, revolving, Federal or other available sources of funds</td>
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<td>(191,078)</td>
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<td>UH Community Colleges</td>
<td>UOH 300</td>
<td>Honolulu CC - Casual/Temporary Personnel</td>
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<td>(127,428)</td>
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<td></td>
<td>UOH 310</td>
<td>Kapi‘olani CC - Lecturer Replacements for Curriculum Development, Program Articulation, Accreditation/Strategic Planning</td>
<td>0.00</td>
<td>(161,829)</td>
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<td></td>
<td>UOH 320</td>
<td>Leeward CC - Current Expense Budgets of Various Programs</td>
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<td>UOH 330</td>
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<td>Kaua'i CC - Casual Payroll and Travel</td>
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<td>All Campuses - Electricity Base Budget Appropriations</td>
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<td>CC Systemwide - Position Vacancies</td>
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<td>UOH 906</td>
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<td>UOH 800</td>
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<td>(1,166,152)</td>
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<td>UH Systemwide Programs</td>
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<td>System-wide Information Technology Services and Support</td>
<td>0.00</td>
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<td>System-wide Human Resources, Fiscal, Student Affairs, Legal and Academic Support Services</td>
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<td>(700,703)</td>
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<td>(13,487,444)</td>
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Total UH General Fund Reductions 0.00 (13,487,444)