

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

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| 1. | DA-Cooperative State Research Service
"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. | \$34,425 |
| 2. | DA-Cooperative State Research Service
"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. | \$32,443 |
| 3. | DA-Cooperative State Research Service
"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. | \$69,767 |
| 4. | DA-Cooperative State Research Service
"Detection, Distribution, and Etiological Roles of Badnaviruses in Hawaii"
Hu, John Plant & Environmental Protection
Development of assays to detect invasive badnaviruses in important food, fuel, or ornamental crops in Hawaii. Evaluate the transmissibility and etiological role of badnaviruses in pineapple and mealybug wilt. | \$59,415 |
| 5. | DA-Cooperative State Research Service
"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. | \$73,274 |

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

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-Nat'l Park Service \$104,400

"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

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.

2. National Institutes of Health \$287,577

"Parallel MRI 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.

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.

4. NIH-Nat'l 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.

5. NIH-Nat'l 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 cohorts, one from the Shanghai Study and a second group of samples from the Multiethnic Cohort.

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| 6. | NIH-Nat'l 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-Nat'l 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-Nat'l 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-Nat'l 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-Nat'l 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

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| 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 |
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| 2. | DOC-National Oceanic & Atmospheric Administration
"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. | \$35,000 |
| 3. | DOC-National Oceanic & Atmospheric Administration
"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. | \$126,237 |
| 4. | DOC-National Oceanic & Atmospheric Administration
"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. | \$33,570 |
| 5. | DOC-National Oceanic & Atmospheric Administration
"HURL Annual Funding (FY2008)"
Wiltshire, John C HURL - SOEST
This proposal provides FY2008 funding for the Hawaii Undersea Research Laboratory. | \$3,273,459 |
| 6. | DOC-Nat'l Marine Fisheries Service
"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. | \$222,000 |
| 7. | DOC-Nat'l Marine Fisheries Service
"Pacific Islands Observer Program Initiative"
Schroeder, Thomas A JIMAR - SOEST
To collect high quality data on protected species interactions that occur in the fishing industry. Observers are trained by the Pacific Islands Regional Observer Program (PIROP) staff to collect data on protected species interactions, fishing effort, total catch composition, and selected fisheries research projects. | \$245,154 |
| 8. | DOC-Nat'l Marine Fisheries Service
"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. | \$336,920 |

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| 9. | DOC-Nat'l 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. | \$107,200 |
| 10. | DOC-Nat'l 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. | \$100,000 |
| 11. | DOC-Nat'l 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. | \$352,000 |
| 12. | DOC-Nat'l 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. | \$173,407 |
| 13. | DOC-Nat'l 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. | \$180,700 |
| 14. | DOC-Nat'l 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. | \$81,505 |
| 15. | DOC-Nat'l 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. | \$124,999 |

FROM: DOD-Dept of Defense

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| 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. | \$225,000 |
| 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. | \$103,968 |
| 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. | \$285,735 |
| 4. | DOD-Naval Research Laboratory
"Passive Acoustic Methods for Tracking Marine Mammals using Widely-spaced Bottom-mounted Hydrophones"
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 studied where possible. | \$59,315 |

FROM: DOE-Dept of Energy

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| 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. | \$171,890 |
| 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. | \$147,247 |

3. DOE-Dept of Energy \$130,000
 "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.

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| 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. | \$128,233 |
| 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, abledos, colors, shapes, and rotation of current comet population in the Solar System. | \$81,155 |
| 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. | \$152,879 |
| 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 Yound Stellar Objects Survey' (VYSOS), which consists of two identical 16 inch telescopes, one to be located in the northern hemisphere at the Haleakala Observatory in Hawaii, and the other one in the southern hemisphere at the Cerro Tololo Interamerican Observatory in Chile. | \$25,500 |
| 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. | \$6,000 |
| 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. | \$335,751 |
| 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. | \$12,000 |

21. National Science Foundation \$1,979,577
 "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 \$146,506
 "Cyber-Enabled Radio Propagation Prediction for the Design of Advanced Wireless Communications Systems"
 Yun, Zhengqing HCAC (HI Ctr for Advanced
 Study electromagnetic (EM) wave propagation for the design of advanced wireless communications systems by exploiting the geospatial resources on the Internet.
- FROM: Nat'l Aeronautics & Space Administration
1. Nat'l Aeronautics & Space Administration \$86,781
 "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 \$74,011
 "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 \$80,359
 "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 \$475,000
 "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 Haleakala for the NASA Near Earth Object Search Program.
5. Nat'l Aeronautics & Space Administration \$543,618
 "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.

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| 6. | Nat'l Aeronautics & Space Administration
"Support Services, Maintenance and Calibration of the TLRs-4 System"
Kuhn, Jeffrey R Institute for Astronomy
To continue the history of Haleakala as one of two fixed, well-defined geometric reference points in NASA's tectonic motion data solution. | \$160,000 |
| 7. | Nat'l Aeronautics & Space Administration
"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. | \$164,065 |
| 8. | Nat'l Aeronautics & Space Administration
"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. | \$74,131 |
| 9. | Nat'l Aeronautics & Space Administration
"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. | \$39,924 |
| 10. | Nat'l Aeronautics & Space Administration
"Comets and the Early Solar System"
Meech, Karen J Institute for Astronomy | \$103,796 |
| 11. | Nat'l Aeronautics & Space Administration
"Analysis of Coordinated Ground-Based Deep Impact Imaging Data"
Meech, Karen J Institute for Astronomy | \$98,991 |
| 12. | Nat'l Aeronautics & Space Administration
"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. | \$33,668 |

13. Nat'l Aeronautics & Space Administration \$238,618

"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. Nat'l Aeronautics & Space Administration \$73,626

"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 \$24,018

"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 \$15,000

"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 \$234,283

"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 \$144,403

"Development of Waste Stream Handling Systems"

Keyser, 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.

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

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| 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

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| 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

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| 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.

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|----|---|-----------|
| 1. | Geoscience Consultants
"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. | \$101,585 |
| 2. | International Cut Flower Growers Association
"New Tropical Ginger Cut Flowers"
Criley, Richard A Tropical Plant & Soil Science
Two ginger species (<i>Etilingera venusta</i> and <i>Zingiber spectabile</i>) 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. | \$1,775 |
| 3. | US-Japan Cooperative in High Energy Physics
"JFY 2008 US/Japan Program for Cooperation in High Energy Physics for High Luminosity R&D"
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. | \$23,193 |

FROM: Mainland- Health Organizations

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|----|--|----------|
| 1. | Joslin Diabetes Center
"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. | \$30,000 |
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FROM: Mainland- Other

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|----|--|----------|
| 1. | Jet Propulsion Lab
"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. | \$15,000 |
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FROM: U.S. Universities and Colleges

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| 1. | Univ of California- Davis
"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. | \$17,601 |
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2. Univ of Texas Southwestern Medical Center \$10,692
 "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 \$100,750
 "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) \$37,000
 "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 \$348,543
 "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 \$70,079
 "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-Nat'l Inst of Diabetes, Digestive, Kidney (NIDDKD) \$203,448
 "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

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| 1. | DOC-National Oceanic & Atmospheric Administration
"Regional Extension Network support RMI"
Grau, E Gordon Sea Grant - SOEST
Regional Extension Network Support in the Republic of the Marshall Islands. | \$70,000 |
| 2. | DOC-National Oceanic & Atmospheric Administration
"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. | \$199,969 |
| 3. | NOAA-National Ocean Service (NOS)
"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. | \$15,000 |

FROM: ED-Dept of Education

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|----|---|-----------|
| 1. | ED-Dept of Education
"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. | \$233,686 |
| 2. | ED-Dept of Education
"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. | \$114,818 |
| 3. | ED-Dept of Education
"CIBER 2006-10: Enhancing U.S. Service Competitiveness in the Asia Pacific Region"
Daniel, Shirley J College of Business Administration
Enhancing U.S. Service Industry Competitiveness in the Asia Pacific Region. | \$354,000 |
| 4. | ED-Dept of Education
"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. | \$16,000 |

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| 5. | ED-Dept of Education
"National Resource Center for East Asian Studies at the University of Hawaii - NRC"
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. | \$235,237 |
| 6. | ED-Dept of Education
"Promoting Rigorous Career and Technical Education Programs of Study Through Statewide Articulation Agreements"
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. | \$128,996 |
| 7. | ED-Dept of Education
"Manana Kupono: Supporting At-Risk Native Hawaiian Students to Succeed at UHM"
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. | \$472,577 |
| 8. | ED-Dept of Education
"Kiwila: A Civics Grant"
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. | \$488,924 |
| 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"
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. | \$335,000 |
| 10. | ED-Dept of Education
"Improving Teacher Quality Grants (2009- SAHES"
Sorensen, Christine
College of Education
Administer grant competition within Hawaii for higher education projects to improve teacher quality. | \$183,128 |

11. ED-Dept of Education	\$339,446
"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	\$37,000
"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	\$307,370
"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	\$793,738
"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	\$649,880
"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	\$42,000
"Elderly Affairs Division Caregiver Support Program"	
Pietsch, James H	School of Law
Provide legal services to family caregivers and their care recipients.	

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| 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. | \$185,765 |
| 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. | \$247,917 |
| 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. | \$209,577 |
| 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. | \$110,000 |
| 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. | \$25,000 |
| 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. | \$25,000 |
| 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. | \$215,606 |

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| 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. | \$176,879 |
| 10. | Hawaii-Dept of Health
"HIV Care Services Training and Education"
Goshima, Cyril
Psychiatry- MED
Provide HIV/AIDS training for AIDS Service Organization case managers in Hawaii. | \$83,775 |
| 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. | \$550,621 |
| 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. | \$609,700 |
| 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. | \$6,377 |
| 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. | \$10,000 |
| 15. | Hawaii-Dept of Land & Natural Resources
"Oahu Rare Organism Project"
Duffy, David
Botany
Research propagation and outplanting techniques on Oahu rare plants. | \$95,667 |
| 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. | \$58,000 |

17.	Hawaii-Dept of Land & Natural Resources	\$81,241
	"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	\$420,000
	"Hawaii Local Technical Assistance Program (CY2005-2010)"	
	Papacostas, C S	Civil and Environmental
	Provide technology transfer to local transportation agencies.	
19.	Hawaii-Judiciary	\$3,980
	"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	\$55,000
	"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.	\$28,489
	"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	\$52,000
	"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	\$12,979
	"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

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| 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. | \$15,732 |
| 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. | \$111,209 |

FROM: U.S. Universities and Colleges

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|----|---|-----------|
| 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. | \$1,500 |
| 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. | \$1,500 |
| 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. | \$62,153 |
| 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. | \$997,432 |

FROM: All Non-U.S.

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| 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. | \$39,494 |
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Funds Received from UH Foundation

NON-RESEARCH AWARDS

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

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|---|-----------|
| 1. Univ of Hawaii Foundation
"Coral Industries UH Personnel Account"
Antal, Michael J Haw Nat Energy Inst -SOEST
To provide for salary, fringe benefit costs, and other program expenses. | \$75,000 |
| 2. Univ of Hawaii Foundation
"Marine & Coastal Resource Project"
Grau, E Gordon Sea Grant - SOEST
Promote community-based awareness and management of marine and coastal resources in West Hawaii. | \$48,000 |
| 3. Univ of Hawaii Foundation
"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. | \$4,000 |
| 4. Univ of Hawaii Foundation
"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. | \$71,620 |
| 5. Univ of Hawaii Foundation
"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. | \$606 |
| 6. Univ of Hawaii Foundation
"Law School Annual Fund"
Soifer, Aviam School of Law
Process payment for Law School UHF account with payroll and tax implications. | \$159,228 |
| 7. Univ of Hawaii Foundation
"Manoa Journal"
Stewart, R Frank English
Funds for staff wages. | \$5,000 |

EXTRAMURAL RESEARCH AWARDS
FOR THE MONTH OF AUGUST 2008
DISTRIBUTION BY SPONSORS

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	19	\$2,139,442	6.90
DOI-Dept of the Interior	7	\$863,200	2.78
DHHS-Dept of Health & Human Services	11	\$5,998,413	19.34
DOC-Dept of Commerce	15	\$5,431,583	17.51
DOD-Dept of Defense	4	\$674,018	2.17
DOE-Dept of Energy	3	\$449,137	1.45
National Science Foundation	22	\$9,760,569	31.46
Nat'l Aeronautics & Space Administration	14	\$2,246,588	7.24
Hawaii- Government Agencies	11	\$2,699,400	8.70
Hawaii- Associations, Foundations, Societies, etc.	1	\$50,000	0.16
Hawaii- Business and Other	4	\$283,018	0.91
Hawaii- Health Organizations	2	\$87,771	0.28
Mainland- Associations, Foundation, Soc, etc.	3	\$126,553	0.41
Mainland- Health Organizations	1	\$30,000	0.10
Mainland- Other	1	\$15,000	0.05
U.S. Universities and Colleges	2	\$28,293	0.09
All Non-U.S.	2	\$137,750	0.45
	122	\$31,020,735	100.00

EXTRAMURAL NON-RESEARCH AWARDS
FOR THE MONTH OF AUGUST 2008
DISTRIBUTION BY SPONSORS

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	2	\$418,622	3.99
DHHS-Dept of Health & Human Services	1	\$203,448	1.94
DOC-Dept of Commerce	3	\$284,969	2.72
ED-Dept of Education	11	\$2,901,812	27.65
Environmental Protection Agency	1	\$37,000	0.35
National Science Foundation	3	\$1,750,988	16.68
Hawaii- Government Agencies	19	\$3,157,105	30.08
Hawaii- Associations, Foundations, Societies, etc.	7	\$363,454	3.46
Hawaii- Business and Other	2	\$83,489	0.80
Hawaii- Health Organizations	1	\$52,000	0.50
Mainland- Associations, Foundation, Soc, etc.	1	\$12,979	0.12
Mainland- Other	2	\$126,941	1.21
U.S. Universities and Colleges	4	\$1,062,585	10.12
All Non-U.S.	1	\$39,494	0.38
	58	\$10,494,886	100.00

EXTRAMURAL RESEARCH AWARDS
YEAR TO DATE: 07/01/2008 – 08/31/2008
DISTRIBUTION BY SPONSORS

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
University of Hawaii Foundation	2	\$51,143	0.10
DA-Dept of Agriculture	33	\$3,630,668	7.18
DOI-Dept of the Interior	9	\$981,127	1.94
DHHS-Dept of Health & Human Services	25	\$10,378,960	20.52
DOC-Dept of Commerce	22	\$7,723,224	15.27
DOD-Dept of Defense	7	\$934,899	1.85
DOE-Dept of Energy	4	\$595,267	1.18
National Science Foundation	38	\$13,221,709	26.14
Nat'l Aeronautics & Space Administration	24	\$2,907,164	5.75
Hawaii- Government Agencies	23	\$3,851,635	7.62
Hawaii- Associations, Foundations, Societies, etc.	9	\$394,181	0.78
Hawaii- Business and Other	6	\$561,526	1.11
Hawaii- Health Organizations	2	\$87,771	0.17
Mainland- Associations, Foundation, Soc, etc.	4	\$226,553	0.45
Mainland- Business	6	\$1,510,739	2.99
Mainland- Health Organizations	2	\$40,000	0.08
Mainland- Other	11	\$611,918	1.21
U.S. Universities and Colleges	8	\$384,054	0.76
All Non-U.S.	4	\$2,481,204	4.90
	239	\$50,573,742	100.00

EXTRAMURAL NON-RESEARCH AWARDS
YEAR TO DATE: 07/01/2008 – 08/31/2008
DISTRIBUTION BY SPONSORS

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
University of Hawaii Foundation	2	\$42,283	0.11
DA-Dept of Agriculture	5	\$961,239	2.59
DHHS-Dept of Health & Human Services	9	\$2,294,702	6.18
DOC-Dept of Commerce	3	\$284,969	0.77
DOD-Dept of Defense	2	\$792,339	2.13
ED-Dept of Education	34	\$17,057,847	45.96
Environmental Protection Agency	1	\$37,000	0.10
National Science Foundation	6	\$2,636,910	7.10
Hawaii- Government Agencies	40	\$8,057,977	21.71
Hawaii- Associations, Foundations, Societies, etc.	19	\$1,699,892	4.58
Hawaii- Business and Other	9	\$525,653	1.42
Hawaii- Health Organizations	4	\$341,636	0.92
Mainland- Associations, Foundation, Soc, etc.	2	\$1,051,704	2.83
Mainland- Other	2	\$126,941	0.34
U.S. Universities and Colleges	6	\$1,094,485	2.95
All Non-U.S.	2	\$109,494	0.31
	146	\$37,115,071	100.00