

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 July 1, 2008 through July 31, 2008 total \$46,054,527. The University of Hawai'i at Hilo received a total of \$856,734 during the same period.

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

RESEARCH AWARDS

FROM: University of Hawaii Foundation

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| 1. | University of Hawaii Foundation
"CRCH Director Stipend Support" | \$27,143 |
| | Kolonel, Laurence N Cancer Research Center | |
| | To provide stipend support and associated fringe benefits for the Director of the Cancer Research Center of Hawaii. | |
| 2. | University of Hawaii Foundation
"Respiratory Health" | \$24,000 |
| | Tam, Elizabeth K Medicine- MED | |
| | Teach General Internal Medicine Ambulatory and inpatient care to medical students and medical residents, assist in clinical research, provide consultative care in inflammatory/immunologic diseases; develop/evaluate training programs. | |

FROM: DA-Dept of Agriculture

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| 1. | DA-Cooperative State Research Service
"Identifications of Shrimp Muscle Regulatory Genes" | \$69,620 |
| | Ako, Harry Molecular Biosciences & | |
| | Identify the shrimp genes responsible for muscle restoration and growth using genomic databases from other species. Study the mRNA expression patterns of several important candidate genes over the molt cycle to define the critical stages of muscle atrophy and restoration. Determine whether or not these genes are associated with growth performance of shrimp. | |
| 2. | DA-Cooperative State Research Service
"Soil Organic Matter Management to Improve Soil and Crop Quality on Intensive Vegetable Farms in Hawaii" | \$66,000 |
| | Deenik, Jonathan Tropical Plant & Soil Science | |
| | The goal of this research project is to improve soil and crop quality by increasing farmer adoption of soil management practices that include organic inputs. On-farm trials with five treatments (two organic amendments, two green manure crops, and a control - the farmer's practice) will be established at 6 vegetable farms on 3 islands. | |

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| 3. | DA-Cooperative State Research Service
"Testing of Existing and Development of New Temperature and Salinity Corrected Capacitance Based Moisture Sensors as Irrigation Scheduling Tools"
Fares, Ali
Natural Resources &
The goals of this proposed project are to further investigate non-specific effects in capacitance based soil moisture sensors for their efficient and correct use in the field and to investigate alternative methods of estimating soil moisture which may have more direct relationships to the bioavailability of water in the soil. | \$41,626 |
| 4. | DA-Cooperative State Research Service
"Decision Support Systems to Identify and Prioritize Pest Management Needs for Turfgrass, Cucurbits and Potted Orchids"
Kawate, Michael K
Plant & Environmental Protection
Using the Pest Management Strategic Planning process, this project will develop Decision Support systems for turfgrass managers, cucurbit producers and potted orchid growers. The process facilitates grower and stakeholder participation and will allow producers and crop managers to effectively identify and prioritize their pest management issues and needs. | \$99,750 |
| 5. | DA-Cooperative State Research Service
"An Integrated Approach for Efficient Production of Plant-derived Antibodies"
Su, Wei-Wen W
Molecular Biosciences &
Development of an effective process for producing antibodies using transgenic plants cultured in a hydroponic bioreactor. | \$135,416 |
| 6. | DA-Cooperative State Research Service
"Effective Strategies for Sustainable Vanilla Production in Hawaii"
Uchida, Janice Y
Plant & Environmental Protection
Determine the causes of vanilla diseases and develop disease prevention and control measures using cultural and chemical methods. | \$95,530 |
| 7. | DA-Cooperative State Research Service
"Molecular Identification and Characterization of Fusarium Oxysporum f.sp. koeae, the Causal Agent of Koa Wilt in Hawaii"
Uchida, Janice Y
Plant & Environmental Protection
Develop molecular tools for rapid identification of Fusarium species causing wilt disease in koa plants and determine genetic variation of the population. | \$134,754 |
| 8. | DA-Cooperative State Research Service
"Tropical and Subtropical Agricultural Research (T-STAR) for Hawaii: Management 2008"
Vincent, Douglas L
Coll, Trop Ag & Human Res
This grant to the UH-CTAHR provides the resources necessary to effectively manage and coordinate the Pacific Basin Administrative Group, the Pacific part of the CSREES Special Grant entitles, "Tropical and Subtropical Agricultural Research (TSTAR) Special Grants Program". | \$335,453 |

9. DA-Cooperative State Research Service \$136,992
 "Development of Unique Molecular Markers for Rapid Identification of Potentially Invasive Weeds in Hawaii"
 Wieczorek, Anna Tropical Plant & Soil Science
 This project will develop molecular markers to identify invasive weeds from closely related and morphologically similar desirable species. The objective is not necessarily to identify species per se, but to screen out certain samples of concerned species or eliminate potential invasive species.
10. DA-Cooperative State Research Service \$191,144
 "Exploration, Genetic Characterization, and Host Range Testing of Parasitoids for Biocontrol of the Erythrina Gall Wasp, *Quadrastichus erythrinae* Kim"
 Wright, Mark G Plant & Environmental Protection
 Seek biological control agents for Erythrina gall wasp in Africa and determine area of origin of the invasive gall wasp.
11. DA-Cooperative State Research Service \$41,787
 "Growth Hormone Receptor DNA Polymorphisms and Growth Traits in Grass-fed Cattle Populations"
 Yang, Jinzeng Human Nutrition, Food & Animal
 Use DNA based association analysis to identify viable DNA markers for the improvement of performance of Hawaii's grass-fed cattle. Test the possibility of Growth Hormone Receptor gene based markers for growth trait selection in cattle populations. Determine the effects of different GHR genotypes on its mRNA and IGF-1 mRNA expression in growing calves.
12. DA-Dept of Agriculture \$15,000
 "New Technologies for Assessment and Control of a Bacterial Pathogen Distributed by Seed in International Trade"
 Alvarez, Anne M Plant & Environmental Protection
 Improve detection and identification protocols for a bacterial seedborne pathogen of tomato, characterize the population, evaluate risks of infected seed and extended knowledge.
13. DA-Dept of Agriculture \$52,254
 "Assessment of Veterinary Antibiotics, Hormones, and Pathogens in Animal Wastes and their Fate and Transport"
 Ray, Chittaranjan Water Resource Research
 We will study how pathogens, hormones, and antibiotics from animal wastes move in Hawaii soils.
14. DA-Dept of Agriculture \$75,900
 "Protecting Papaya from Pests and Diseases"
 Vincent, Douglas L Coll, Trop Ag & Human Res
 Develop and evaluate non-toxic, preferably biologically-based, environmentally suitable technologies and processes for pest and disease control on papaya.

FROM: Dept of Education		
1.	DOI-Fish & Wildlife	\$75,500
	"Plant Extinction Prevention Program"	
	Duffy, David	Botany
	Prevent the extinction of 54 plant species on Kauai at high risk for imminent extinction through propagule collection, tissue culture and propagation.	
2.	DOI-Geological Survey	\$42,427
	"Precipitation Climatology Projections for Mid and Late 21st Centuries for the Main Hawaiian Islands"	
	Hamilton, Kevin	Meteorology - SOEST
	This proposal is for a simple assessment and downscaling of the IPCC global model results on precipitation for the main Hawaiian Islands. The goal is to produce maps showing the range of likely precipitation climatology changes over in Hawaii at Mid-century and end of 21st century.	
FROM: DHHS-Dept of Health & Human Services		
1.	DHHS-Administration on Aging	\$117,904
	"Ha Kupuna: National Resource Center for Native Hawaiian Elders"	
	Mokuau, Noreen K	School of Social Work
	To develop and disseminate knowledge on the health and long-term care issues facing Native Hawaiian elders and their caregivers in order to improve service access and delivery.	
2.	National Institutes of Health	\$152,978
	"Impact of Marijuana Exposure on brain Maturation"	
	Cloak, Christine	Medicine- MED
	This career development award provides support to launch an independent research career. This includes integrated didactic and research components. Adolescents with and without regular marijuana use are evaluated with several magnetic resonance imaging techniques to measure brain structure and chemistry, for correlation with measures of cognitive abilities and cortisol levels.	
3.	National Institutes of Health	\$675,101
	"RGR-Based Motion Tracking for Real-Time Adaptive MR Imaging and Spectroscopy"	
	Ernst, Thomas	Medicine- MED
	This Bioengineering Research Partnership aims to develop (1) an optical head tracking system and (2) real-time adaptive Magnetic Resonance imaging and spectroscopy techniques for use with the tracking system. The tracking system will allow accurate measurement of subject motion and enable successful MR acquisitions without motion artifacts in the data.	
4.	National Institutes of Health	\$203,656
	"Regulation of Fatty Acid Biosynthesis and Degradation in Pseudomonas aeruginosa"	
	Hoang, Tung	Microbiology
	The goal of this research is to identify the regulator for fatty acid biosynthesis and degradation and to also find the signal that induces these operons.	

5. National Institutes of Health \$67,816
 "Functional Genomics in a Simple Model Metazoan"
 Martindale, Mark Q Pacific Biosciences Research
 This work will establish protocols to manipulate gene expression (mis expression, knock-down) in the new simple metazoan model system, the starlet sea anemone, *Nematostella vectensis*.
6. National Institutes of Health \$167,891
 "The Novel Matrix Structures Fractones Promote FGF-2 in the Neural Stem Cell Niche"
 Mercier, Frederic Pacific Biomed Rsrch Cntr
 The goal of this research proposal is to characterize the role of the novel extracellular matrix structures (fractones) recently characterized by the principal investigator in the adult brain neurogenic zone. The work will demonstrate for the first time the functional implication of fractones in neural stem cell proliferation in adulthood.
7. National Institutes of Health \$324,582
 "Role of Macrophages in HIV Lipoatrophy"
 Shikuma, Cecilia M Medicine- MED
 This project will continue work on assessing the role of HIV infected monocytes and macrophages in the development of lipoatrophy. We will conduct fat biopsies on HIV infected individuals on HIV medications with and without lipoatrophy and also fro HIV individuals not on HIV medications and from HIV negative individuals. We will isolate fat cells, pre-adipocytes (immature fat cells) and macrophages and look at what inflammatory molecules these cells secrete.
8. National Institutes of Health \$372,621
 "Transcriptional and Physiological Analysis of HIF-1 Alpha"
 Shohet, Ralph Medicine- MED
 The aims are (1) To identify the immediate downstream targets of HIF1 transcriptional activation in vivo. (2) To measure the contribution of carbohydrates, long chain fatty acids and other substrates to energy production in the heart with HIF-1 overexpression, and (3) To define the angiogenic effects of HIF1 overexpression in the heart.
9. NIH-Nat'l Cancer Institute (NCI) \$485,953
 "Physical Activity in Women with Infants"
 Albright, Cheryl Cancer Research Center
 Recruit mothers with an infant 2-12 months old from Kaiser HMO and the commuinty via mass media. Deliver tailored physical activity (PA) intervention to half subjects and standard care for PA to rest. Assess minutes of moderate/vigorous PA per week via accelerometers and written surveys. Follow women for 18 months, survey 5 times.
10. NIH-Nat'l Cancer Institute (NCI) \$214,682
 "Role of Polyamines in MYCN-Amplified Neuroblastoma"
 Bachmann, Andre S Cancer Research Center
 (none listed).

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| 11. | NIH-Nat'l Cancer Institute (NCI)
"Case-Control Study of Adenoma in Sao Paulo Japanese"
Le Marchand, Loic Cancer Research Center
To conduct a colonoscopy-based case-control study of adenoma among Japanese Brazillians in Sao Paulo, Brazil, and to compare findings with our ongoing adenoma study in Hawaii and with a third (separately funded) companion study conducted at the National Cancer Center in Tokyo. | \$55,760 |
| 12. | NIH-Nat'l Center for Minority Health Disparities
"Partnerships for Cardiometabolic Disparities in Native and Pacific Peoples"
Mau, Marjorie K Native Hawaiian Health- MED
The goal of this proposal is to eliminate health disparities to improve the health and wellness of Native and Pacific Peoples through research and partnership, increasing opportunities for synergy and collaboration that are trans-disciplinary, innovative, and culturally grounded. | \$1,104,020 |
| 13. | NIH-Nat'l Inst of Allergy & Infectious Diseases
"Development of Genetic Systems Based on Non-antibiotic Selectable Markers for Brucella and Burkholderia Species"
Hoang, Tung Microbiology
The goal of this research is to develop select agent compliant genetic tools for Burkholderia and Brucella species based on non-antibiotic selectable markers. | \$169,713 |
| 14. | NIH-Nat'l Inst of Diabetes, Digestive, Kidney (NIDDKD)
"Mechanism of Selenoprotein Synthesis"
Berry, Marla J Cell & Molecular Biology- MED
Scope includes investigating functions and localization of factors involved in selenoprotein synthesis, investigating interactions between these factors and other interaction partners. | \$267,870 |
| FROM: DOC-Dept of Commerce | | |
| 1. | DOC-National Oceanic & Atmospheric Administration
"Research in Support of the NWHI Coral Reef Ecosystem..."
Leong, Jo-Ann Haw Inst Marine Bio-SOEST
To continue studying the resources of the NWHI. | \$1,415,000 |
| 2. | DOC-National Oceanic & Atmospheric Administration
"Marine Resource Dynamics Assessment Program (MARDAP): Research Support - Scientific Information Services (SIS)"
Schroeder, Thomas A JIMAR - SOEST
1) Complete redesign of Web site, and improve development of Web content,
2) Provide comprehensive professional editing services to program staff, and
3) Provide technical support to the Pacific Islands Fisheries Science Center Information Services group on various aspects of Data Services. | \$259,764 |

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| 3. | DOC-National Oceanic & Atmospheric Administration
"Improving the Hatchery Output of the Hawaiian Pink Snapper, <i>Pristipomoides filamentosus</i> - Phase II"
Tamaru, Clyde S Haw Inst Marine Bio-SOEST
Development of hatchery technologies for the mass culture of opakapaka fry and juveniles for use in expansion and diversification of open ocean aquaculture enterprises. | \$250,000 |
| 4. | DOC-National Oceanic & Atmospheric Administration
"Evaluation and Improvement of NOAA Climate GCM Air-Sea Interaction Physics: An EPIC/VOCALS Synthesis Project"
Wang, Yuqing JIMAR - SOEST
This is a proposal for a joint NOAA/ESRL and University of Hawaii effort to synthesize recent CPPA-funded research to promote its application in the NOAA Coupled Forecasting System (CFS) model. Our plan is to work within the Climate Testbed structure with NOAA scientists involved with CFS. | \$91,537 |
| 5. | DOC-Nat'l Marine Fisheries Service
"Marine Resource Dynamics Assessment Program (MARDAP): Research Support - Fisheries Data Monitoring"
Schroeder, Thomas A JIMAR - SOEST
Research support for fishery data monitoring operations. | \$95,340 |
| 6. | DOC-Nat'l Marine Fisheries Service
"FISHERIES OCEANOGRAPHY: Methods Aimed to Reduce Sea Turtle-Longline Interactions: Tests of Modified Baits and Fishing Gear"
Schroeder, Thomas A JIMAR - SOEST
To identify a method to reduce or eliminate interactions between long-line fishing gear and turtles, and to conduct by catch mitigation research with sharks. | \$120,000 |
| 7. | DOC-Nat'l Marine Fisheries Service
"Determination of the Oceanic Habitat for Highly Migratory Species (HMS) from Remote Sensing Technologies"
Schroeder, Thomas A JIMAR - SOEST
To continue ongoing research pertaining to the determination of the oceanic, pelagic habitat for highly migratory species (HMS) using the advanced technologies of remote sensing, including satellites, archival tags, and passive acoustic archival recorders. | \$60,000 |
| FROM: DOD-Dept of Defense | | |
| 1. | DOD-Dept of Air Force
"Operations and Management of the Maui High Performance Computing Center"
Lassner, David K Info Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center. | \$7,049 |

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| 2. | DOD-Dept of Air Force
"Operations and Management of the Maui High Performance Computing Center"
Lassner, David K Info Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercoming Center. | \$1,159 |
| 3. | DOD-Naval Research Laboratory
"Remote Monitoring of Dolphins and Whales in the High Naval Activity Areas in Hawaiian Waters"
Au, Whitlow Haw Inst Marine Bio-SOEST
Use remote ecological acoustic recorders (EARs) to determine the presence of dolphins and whale in high naval activity area of the main Hawaiian Islands. | \$252,673 |
| FROM: DOE-Dept of Energy | | |
| 1. | DOE-Dept of Energy
"Investigating the Chemical Dynamics of Bimolecular Reactions of Dicarbon and Tricarbon Molecules with Hydrocarbons in Combustion Flames"
Kaiser, Ralf I Chemistry
We want to find out how polycyclic aromatic hydrocarbons are formed in combustion flames. | \$146,130 |
| FROM: National Science Foundation | | |
| 1. | National Science Foundation
"Aqueous-Alkaline/Carbonate Biocarbon Fuel Cell Development"
Antal, Michael J Haw Nat Energy Inst -SOEST
Large quantities of lignocellulosic residues accompany the production of bioethanol and biodiesel fuels. These residues can be efficiently and quickly converted into biocarbons. Carbon fuel cells can generate electricity from biocarbons with a theoretical thermodynamic efficiency of 100%. The proposal goal is the development of a moderate-temperature carbon fuel cell. | \$258,316 |
| 2. | National Science Foundation
"Airborne Measurements of the Physio-Chemistry and Evolution of Aerosols in the Tropics during the Pacific Atmospheric Sulfur Experiment (PASE)"
Clarke, Antony D Oceanography - SOEST
Employ a variety of airborne instruments to study changes in the aerosol size which is needed to understand the marine sulfur cycle and how it relates to the marine aerosol on cloud properties. | \$181,604 |
| 3. | National Science Foundation
"Secondary Hawaiian Hotspot Volcanism: What, When, Where, and Why?"
Garcia, Michael O Geology & Geophys - SOEST
To map, sample and model the origin of secondary volcanism on and around the northern Hawaiian Islands. | \$215,199 |

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| 4. | National Science Foundation | \$41,737 |
| | "In Situ Voltammetry Integrated with a Cabled Nearshore Observatory" | |
| | Glazer, Brian | Oceanography - SOEST |
| | Expand and improve the computer programming and software design objective identified in the original proposal. | |
| 5. | National Science Foundation | \$160,003 |
| | "Measurement of DiMethyl Sulfide (DMS) Air-Sea Exchange by Eddy Covariance" | |
| | Huebert, Barry J | Oceanography - SOEST |
| | We are proposing to participate in three cruises to measure the emission of DMS gas from the ocean to the atmosphere. From these measurements we will learn about the formation of marine sulfate particles and the factors that control emissions of many gases from the ocean. | |
| 6. | National Science Foundation | \$862,500 |
| | "Collaborative Research: Hawaii Ocean Time-series Program: Biogeochemistry and Ecology Component" | |
| | Karl, David M | Oceanography - SOEST |
| | To continue our 20-year field sampling, ocean time-series program at Station ALOHA, 100 km north of Oahu - Supplemental proposal requested by NSF. | |
| 7. | National Science Foundation | \$139,886 |
| | "The Gemini NICI Planet-Finding Campaign" | |
| | Liu, Michael | Institute for Astronomy |
| | To support the science activities of the NICI (Near-IR Coronagraphic Imager) Planet-Finding Campaign to be conducted at the Gemini-South 8.1 meter Telescope. | |
| 8. | National Science Foundation | \$139,141 |
| | "The Pan-STARRS Brown Dwarf Factory" | |
| | Magnier, Eugene | Institute for Astronomy |
| | Scientific astronomical research on brown dwarfs using the Pan-STARRS telescope on Heleakala, Maui. | |
| 9. | National Science Foundation | \$123,134 |
| | "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. | |
| 10. | National Science Foundation | \$338,309 |
| | "Extragalactic Planetary Nebulae" | |
| | Mendez, Roberto | Institute for Astronomy |
| | We will continue studies of extragalactic planetary nebulae, an advanced phase in the evolution of most stars. These extremely faint source nebulae are difficult to observe and have to be detected and measured with the largest possible telescopes. They can be used to study dynamical properties, dark matter distribution, and abundance gradients in elliptical galaxies. | |

11. National Science Foundation \$371,350
 "Collaborative Research: Benthic Boundary Layer Geochemistry and Physics at the Kilo Nalu Observatory"
 Pawlak, Eugene R. Ocean & Resources Engineering -
 The proposed work encompasses a dedicated synthesis of an extensive data set that is being generated by the ongoing observational effort supported by the existing grant. The work will target two principal directions: 1) characterization and parameterization of sediment-water column exchange, 2) characterization of the associated biochemical response in the water column.
12. National Science Foundation \$494,305
 "SpeX Upgrade for IRTF"
 Rayner, John T Institute for Astronomy
 The objective of this proposal is to upgrade SpeX, a medium resolution spectrograph, with a higher performance infrared array and array controller. These upgrades will benefit observing programs and provide critical observing capability for the astronomical community.
13. National Science Foundation \$30,673
 "NEESR-SG: Development of Performance Based Tsunami Engineering, PBTE"
 Riggs, H R Civil and Environmental
 This supplement requests funds to develop a civil Engineering module for ENGR 111 Engineering Orientation at Oregon State University. This work will use the NEES Tsunami Wave Basin to highlight civil engineering as a career option and will provide an example of how NEES facilities can be used to serve as a resource for undergraduate engineering education.
14. National Science Foundation \$13,999
 "SGER: Detailed Lava Surface Age Map and Pre-eruptive Magma Aging for the 2005-6 Volcanic Eruption at 9 46'-9 56'N EPR"
 Rubin, Kenneth H Geology & Geophys - SOEST
 Eruption dates and magma formation ages by natural radioactivity in lava collected from the East Pacific Rise at 9o 50'N.
15. National Science Foundation \$10,000
 "Retrodirective Antenna Arrays for Secure Data Transmission in Covert Terrestrial and Nanosatellite Sensor Networks (17U07UHShiro)"
 Shiroma, Wayne A Electrical Engineering
 Develop novel antennas for intelligence-gathering scenarios. Supplement for scholarship support for one undergraduate student.
16. National Science Foundation \$80,984
 "Submillimeter Interferometry of the Orion Proplyds"
 Williams, Jonathan P Institute for Astronomy
 This is a 3-year proposal intended to fund observations of planet forming disks (known as proplyds) around young stars in the Orion nebula. I will use the Submillimeter Array on Mauna Kea to measure the emission from these disks, determine their masses, and assess their viability for planet formation.

- FROM: Nat'l Aeronautics & Space Administration
1. Nat'l Aeronautics & Space Administration \$60,000
 "Examining Factors that Affect UVVIS Color in Lunar Mare Basalts"
 Gillis-Davis, Jeffrey Haw Inst Geophys & Planet
 We propose to integrate lab experiments, spectral modeling, and remote sensing data to examine the extent to which color variations in lunar basalts depend upon ilmenite content and how other factors contribute or detract from this canonical correlation. This work aims to provide quantitative and geologic understanding of factors that affect the UVVIS continuum.
 2. Nat'l Aeronautics & Space Administration \$50,000
 "Eclipse Observations of Heavy Ions, Neutral and Dust Grains in the Solar Corona"
 Habbal, Shadia Institute for Astronomy
 Observations of the total solar eclipses in 2008, 2009, and 2010 will study the coronal magnetic field and the underlying physical processes shaping the solar corona. The resulting data should provide powerful diagnostic tools for exploring the physics of the corona and the acceleration region of the solar wind.
 3. Nat'l Aeronautics & Space Administration \$79,540
 "Remote Sensing and Geologic Studies of Planetary Crusts"
 Hawke, Bernard R Haw Inst Geophys & Planet
 This is a proposal to conduct remote sensing and geologic studies of the Moon and Mercury in order to better understand their composition and evolution.
 4. Nat'l Aeronautics & Space Administration \$87,298
 "Irregular Satellites of the Planets"
 Jewitt, David C Institute for Astronomy
 We propose a set of observations designed to explore the irregular satellites of the planets.
 5. Nat'l Aeronautics & Space Administration \$102,595
 "Analysis of Coordinated Ground-Based Deep Impact Imaging Data"
 Meech, Karen J Institute for Astronomy
 Analyze earth-based data sets in conjunction with flight data from the Deep Impact mission in order to answer various scientific questions.
 6. Nat'l Aeronautics & Space Administration \$9,800
 "Supplement to: The Origin, History, and Distribution of Water and Its Relation to Life in the Universe (NASA AMES: NNA04CC08A)"
 Meech, Karen J Institute for Astronomy
 Support 16 teachers from Hawaii and the Mainland to attend Astrobiology Laboratory Institute for instructor program and Hawaii Student Teacher Astronomy Research for summer 2008.
 7. Nat'l Aeronautics & Space Administration \$30,000
 "Mapping the Martian Impact Crater Tooting"
 Mouginiis-Mark, Peter J Haw Inst Geophys & Planet
 We will produce a geologic map of a meteorite impact crater on the planet Mars, and publish this map with the assistance of the U.S. Geological Survey's Astrogeology Branch.

8. Nat'l Aeronautics & Space Administration \$132,112
 "Development of Next Generation Two-Dimensional Solid State Ion Detector (SCAPS)"
 Nagashima, Kazuhide Haw Inst Geophys & Planet
 I propose to develop next generation ion detector called SCAPS having higher sensitivities against incident ions by improvement of secondary electron emission from surface electrode of SCAPS.
9. Nat'l Aeronautics & Space Administration \$82,677
 "Laser Induced Breakdown Spectroscopy (LIBS) of Alteration and Volatile-Bearing Materials"
 Sharma, Shiv K Haw Inst Geophys & Planet
 The objective of this proposal is to obtain LIBS spectra of alteration and volatile bearing minerals shown to be important to the Martian conditions, including sulfates, phyllosilicates, and select halides, and the effects of adding these minerals to well-characterized basaltic rock compositions.
10. Nat'l Aeronautics & Space Administration \$26,554
 "Early Historic Landscapes of Cambodia's Mekong Delta"
 Stark, Miriam T Anthropology
 The proposed archaeological research uses remote sensing data to study changing patterns of settlement and land-use in southern Cambodia (c. 500 BC - AD 500) from an historical ecological viewpoint. Funding is also requested to develop an integrated GIS database for heritage management and to train Cambodians to use it to manage their archaeological resources.

FROM: Hawaii- Government Agencies

1. County of Hawaii \$35,956
 "Hilo Landfill Leachate Treatability Study"
 Babcock, Roger W Water Resource Research
 Evaluate on-site landfill leachate treatment technologies to guide possible future full-scale design efforts.
2. County of Hawaii \$8,000
 "Beach Hazards Assessment at Kua Beach, Hawaii"
 Fletcher, Charles H Geology & Geophys - SOEST
 Assess and identify beach hazards at Kua Beach, Hawaii with recommendations to assist with placement and program logistics for county lifeguards.
3. County of Hawaii \$13,000
 "Blueberry and Tea Research and Extension in Waimea 2008"
 Nakamoto, Stuart T Human Nutrition, Food & Animal
 Support CTAHR Blueberry research and extension program and expansion of research at Lalamilo Station.
4. County of Maui \$100,000
 "West Maui Mountains Watershed Protection"
 Morden, Clifford W Botany
 Conduct ecosystem management of County of Maui Water Supply land in the West Maui Mountains watershed.

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| 5. | Hawaii-Dept of Agriculture
"Technical and Economic Feasibility of Production of Alternative Animal Feeds"
Duponte, Michael W Human Nutrition, Food & Animal
Study of alternative animal feed production feasibility in Hawaii. | \$49,225 |
| 6. | Hawaii-Dept of Business & Economic Development
"Hawaii Bioenergy Masterplan"
Turn, Scott Q Haw Nat Energy Inst -SOEST
HNEI will develop a bioenergy masterplan for the State of Hawaii as outlined in the legislative language authorizing the study. | \$300,000 |
| 7. | Hawaii-Dept of Business & Economic Development
"Developing Indicators for Quality of Life in Hawaii"
Yuan, Sarah Center on the Family
Develop a set of measures for the quality of life in Hawaii. | \$49,741 |
| 8. | Hawaii-Dept of Hawaiian Home Lands
"Rapid Response Mitigation and Monitoring of Incipient Post-Fire Weed Invasions Surrounding the Kanakaleonui Bird Corridor in Humuula"
Leary, James College of Tropical Ag & Human
This project will initiate a mitigation strategy of directed ultra-low-volume (ULV) herbicide applications to identified exotic weed species that will also be referenced with corresponding GPS points and image data to be utilized for subsequent monitoring. | \$14,000 |
| 9. | Hawaii-Dept of Health
"On-Site Sewage Disposal System Inspection Protocol"
El-Kadi, Aly I Geology & Geophys - SOEST
Develop and establish an inspection protocol for on-site sewage disposal systems (OSDS). OSDS include septic tanks, cesspools and other applicable types of wastewater disposal systems. Due to the sheer number of such systems, a program of prioritizing the inspections based on risk to health and the environment will also be established. | \$73,833 |
| 10. | Hawaii-Dept of Health
"Healthy Hawaii Initiative Nutrition Education Network Project"
Heinrich, Katie Public Health Sciences
Provide administrative and research infrastructure, develop surveillance matrix, improve and expand nutritional behavior evaluation methodologies, and provide outcome and process evaluation plans to evaluate FSNE programs. | \$188,500 |
| 11. | Hawaii-Dept of Health
"State Prevention Framework State Incentive Grant Evaluation"
Yuen, Sylvia H L Center on the Family
Conduct evaluation of key processes and outcomes of the Hawaii State Prevention Framework State Incentive Grant Project (SPF-SIG) at the state, community, and program levels. | \$299,980 |

12. Hawaii-Dept of Public Safety \$20,000
 "Research and Training in Sex Offender Assessment and Treatment in Corrections"
 Coyne, Barry J School of Social Work
 To coordinate and manage activities regarding research relating to the psychophysiological assessment of sexual offenders.
- 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.
2. HCF-G.F. Straub Trust \$50,000
 "The Anti-Apoptotic Role of Pre-B Cell Colony-Enhancing Factor (PBEF/Visfatin) in the Fetal Membranes"
 Wright, Claire Obstetrics - GYN - MED
 Preterm premature rupture of the fetal membranes is a leading cause of preterm birth. Pre-B cell colony-enhancing factor protects cells from death, however the mechanism is unknown. IN this proposal we aim to study its ability to protect cells of the fetal membranes and demonstrate how it does this.
3. HCF-Geist Foundation \$49,965
 "Elucidation of Mast Cell Calcium Activation Mechanisms, Pertinant in Heart Pathologies"
 Stokes, Alexander Cell & Molecular Biology- MED
 Some heart diseases progress through the inappropriate activation of heart resident mast cells. We aim to elucidate activating and regulatory mechanisms of the calcium influx channels responsible for the activation of mast cell in related heart diseases, and their possible inhibition, which could amelioration disease symptoms.
4. HCF-Hawaii Community Foundation - General Fund \$49,981
 "Pilot Study to Assess Role of the Oxidative Stress-activated Channel, TRPM2, in the Pathogenesis of Diabetes"
 Hermosura, Meredith C Pacific Biomed Rsrch Cntr
 I propose to study whether an ion channel that can sense oxidative stress in the pancreas could be involved in causing death of insulin-secreting cells, and in doing so, contribute to the development of diabetes.
5. HCF-Hawaii Community Foundation - General Fund \$49,980
 "Activity Dependent Cell Death in the Nervous System"
 Robinow, Steven N Zoology
 During development and neurodegenerative disease, neurons regulate the death of other neurons through unknown mechanisms. This project will focus on identifying neurons that are responsible for initiating the death of a pair of neurons that die during development. This work will help to define the mechanisms that control neuronal death during development and disease.

6. HCF-Medical Research Funds \$82,255

"Relaxin Signaling at the Maternal-Fetal Interface"

Bryant-Greenwood, Gillian Pacific Biosciences Research

The study of the role of hormone relaxin and its receptor in preterm birth and in intrauterine growth restriction.

FROM: Hawaii- Business and Other

1. East West Center \$237,381

"The Expansion of Rubber and its Implications for Water and Carbon Dynamics in Montane Mainland Southeast Asia"

Giambelluca, Thomas W Geography

Using field measurements and model simulations, we will investigate how the expansion of rubber cultivation in the Montane Mainland Southeast Asia alters carbon and water dynamics of the region.

2. Research Corp, University of Hawaii \$41,127

"Exploration of the Northwestern Hawaiian Island's Deep-sea Fauna and Habitats Using Baited Cameras"

Drazen, Jeffrey Oceanography - SOEST

We propose to describe the deep-sea fauna of the northwestern Hawaiian Islands using baited cameras from ~500-4000 meters depth.

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

1. American Association for Cancer Research \$100,000

"Landon Foundation-AACR Innovator Award for International Collaboration (M. Carbone)"

Carbone, Michele Pathology- MED

We discovered a unique mesothelioma epidemic in 3 Turkish villages and demonstrated that it is caused by genetic predisposition to mineral fiber carcinogenesis. We have implemented measures to prevent mesothelioma in future generations and we developed novel early detection assays. Through linkage analysis, we expect to identify the predisposing gene(s).

FROM: Mainland- Business

1. Arkema Inc \$540,000

"Arkema Performance Testing"

Rocheleau, Richard E Haw Nat Energy Inst -SOEST

Under this proposal, HNEI will evaluate the performance and short- and long-term durability of full-scale membrane electrode assemblies (MEAs) using proprietary Arkema membrane materials.

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| 2. | Beckman Coulter Inc
"Access Immunoassay Systems Prenatal/Reproductive
Immunoassays - Reference Range Study for sVEGF R1 and PIGF"
Burlingame, Janet Obstetrics - GYN - MED
A multi-site prospective clinical trial, KMCWC being one such site, will recruit approximately 150 apparently healthy subjects (up to 40 per site) who are within the first 8-15 weeks of an apparently normal pregnancy. Blood specimens obtained from subjects who complete an uncomplicated pregnancy will be used to determine reference reanges for sVEGF R1 and PIGF assays. | \$185,000 |
| 3. | Mandaree Enterprise Corporation
"Atmospheric Corrosion Research in Hawaii Microclimates"
Hihara, Lloyd H Mechanical Engineering
Conduct corrosion research in a wide range of microclimates, study correlations between corrosion rates and environmental parameters, develop a hands-on corrosion pilot project for undergraduate students and demonstrate the effectiveness of a coating used as a corrosion barrier. | \$500,000 |
| 4. | Novartis Pharmaceuticals Corp
"Novartis Pharmaceuticals Corporation CLAF237A23138 (LAF237A)"
Arakaki, Richard F Medicine- MED
This study will determine the safety and efficacy of the study drug, vildagliptin, in patients with type 2 diabetes and severe kidney damage. | \$117,074 |
| 5. | Petroleum Research Fund
"Synthesis of Polymers for Photovoltaic Cells by Cross-Coupling
Reactions Mediated by NHC-Palladium Complexes (NHC =
N-Heterocyclic Carbene)"
Navarro, Oscar Chemistry
Synthesis of transition-metal based catalysts to synthesize organic conducting polymers for applications in photovoltaic cells. | \$50,000 |
| FROM: Mainland- Health Organizations | | |
| 1. | Riverside Research Institute - NY
"Advanced Ultrasonic Evaluation of Sentinel Lymph Nodes"
Machi, Junji Surgery- MED
Using special advanced ultrasound techniques, we try to make a diagnosis of cancer in lymph nodes, which will help pathologists. We focus on sentinel lymph nodes of breast cancer so that diagnosis of lymph node metastasis will be improved in a minimally- or non-invasive way. | \$10,000 |
| FROM: Mainland- Other | | |
| 1. | Carnegie Institution of Washington
"PLUME: Imaging the Hawaiian Hotspot and Swell"
Wolfe, Cecily J Haw Inst Geophys & Planet
Study the Earth's mantle structure in Iceland and Hawaii. | \$34,979 |

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| 2. | Farm Pilot Project Coordination Inc.
"Janong Natural Farming: A Completely Integrated Waste Management System for Small Swine Farms"
Duponte, Michael W Human Nutrition, Food & Animal
Study of new best management practices for handling swine waste. | \$41,000 |
| 3. | Jet Propulsion Lab
"Debris Disks Around the Nearest Young M Dwarfs"
Liu, Michael Institute for Astronomy
Identify and characterize debris disks around M dwarfs stars. | \$56,600 |
| 4. | Jet Propulsion Lab
"Investigating Midlatitude Ocean and Climate Dynamics using Satellite Altimetry and Modeling Analysis"
Qiu, Bo Oceanography - SOEST
The goal of this proposed study is to 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. A clarification of these fluctuations will lead to increased predictability of the upper ocean circulation and thermal structures, both of which are crucial to our understanding of the climate variability on longer time scales. | \$50,000 |
| 5. | Jet Propulsion Lab
"Investigating Midlatitude Ocean and Climate Dynamics using Satellite Altimetry and Modeling Analysis"
Qiu, Bo Oceanography - SOEST
The goal of this proposed study is to 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. A clarification of these fluctuations will lead to increased predictability of the upper ocean circulation and thermal structures, both of which are crucial to our understanding of the climate variability on longer time scales. | \$31,219 |
| 6. | Jet Propulsion Lab
"IRS Legacy Survey of the Green Valley in COSMOS and Mapping Goals: IRS Spectral Mapping of a Complete Sample of LIRGs in the Local Universe"
Sanders, David B Institute for Astronomy
Dr. Sanders and his team will coordinate, analyze and reduce data related "IRS Legacy Survey of the Green Valley in COSMOS" and "Mapping Goals: IRS Spectral Mapping of a Complete Sample of LIRGs in the Local Universe". | \$210,000 |
| 7. | Jet Propulsion Lab
"Spectral Energy Distributions of Galaxies with Old Stellar Populations in Radio-Source Fields with $2.8 < z < 3.6$ "
Stockton, Alan N Institute for Astronomy
Spitzer telescope observations will allow us to identify galaxies with strongly dominating old stellar populations. The targets identified will be targets for future morphological studies to constrain physical mechanisms for massive galaxy formation. | \$58,030 |

8. Jet Propulsion Lab \$40,000
 "MUSES-C Science Investigation"
 Tholen, David J Institute for Astronomy
 The origin of the class of short/hard gamma-ray bursts is currently unknown, despite significant progress in understanding their long/soft cousins. With the advent of the Swift satellite GRB mission, we hope to be able to identify and study the optical counterparts of short/hard GRBs with HST.
9. Monterey Bay Aquarium \$60,090
 "Movement Patterns, Environmental Preferences and Husbandry of Sharks and Rays of Hawaii"
 Holland, Kim N Haw Inst Marine Bio-SOEST
 Field work focused on electronic tracking of target species, exploratory fishing and establishing facilities to support collaborative work.
10. Ocean Drilling Program \$15,000
 "Rare Earth Element Behavior in the Nankai Trough Subduction Zone Traces the Paths of Subduction Fluids in an Accreting Margin"
 Fryer, Patricia Haw Inst Geophys - SOEST
 Analysis and interpretation of pore fluids from deep-sea drill cores from IODP Expedition 315.

FROM: U.S. Universities and Colleges

1. Case Western Reserve University \$81,443
 "Role of Mitochondria in HIV Lipoatrophy"
 Gerschenson, Mariana School of Medicine
 Perform laboratory assays on samples submitted by Case Western.
2. Univ of California- Los Angeles \$45,311
 "Subcontract from "CAREER: The Coordination of Leaf Hydraulics, Structure and Gas Exchange"
 Ranker, T A Botany
 Research on the coordination of leaf structure, hydraulics, physiology and ecology of native Hawaiian plant species. Support for UHM Botany Department graduate students as research assistants for the project.
3. Univ of California- San Diego \$76,080
 "UCSD Avian Flu Bioinformatics"
 Alam, Maqsudul Microbiology
 Distributed bioinformatics analysis of Avian (Bird) flu using global computational data grid.
4. Univ of Mississippi \$118,740
 "Technical Support for CTBT Infrasound Sites"
 Garces, Milton Haw Inst Geophys & Planet
 Analyze and compare data and modify algorithms from various infrasonic sounds from the Big Island, Southwestern US, Washington, Ecuador.

5. Univ of Texas Southwestern Medical Center \$10,383
 "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.
6. Univ of Washington \$23,804
 "Development of Molecular Adjuvants for Therapeutic HIV-1 Vaccines"
 Yu, Qigui Medicine- MED
 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 HIN-1-specific cellular and humoral immune responses to HIV vaccine immunization in the absence of CD4 T cell help in a CD4 T cell-depleted mouse model.

FROM: All Non-U.S.

1. Japan Agency for Marine-Earth Science and Technology \$2,316,000
 "JAMSTEC Year 12"
 Hamilton, Kevin Meteorology - SOEST
 Provide an international research environment dedicated to improving understanding of the nature and predictability of climate variability in the Asia-Pacific sector, including influences of global environmental change within the region.
2. National Institute of Water & Atmospheric Research \$27,454
 "HURL Data Extraction: Support of a Study on the Biodiversity of Seamounts"
 Kelley, Christopher D HURL - SOEST
 Examine database records from HURL submersible dives conducted on seamounts with cobalt-rich ferromanganese crusts.

NON-RESEARCH AWARDS

FROM: University of Hawaii Foundation

1. University of Hawaii Foundation \$36,783
 "Leahi Outpatient Geriatric Clinic S&F Account"
 Blanchette, Patricia Cancer Research Center
 S&F agreement for Leahi Outpatient Geriatric Clinic to cover a portion of Oleksandr Pishchalenko's time.
2. University of Hawaii Foundation \$5,500
 "Center of Excellence in Geriatrics"
 Blanchette, Patricia Geriatrics-MED
 To attract additional outstanding faculty to academic careers in Geriatric medicine and to facilitate in their career development.

FROM: DA-Dept of Agriculture

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| 1. DA-Dept of Agriculture | \$29,998 |
| "Farm Revenue Insurance Strategies to Management Marketing Risks in Hawaii" | |
| Fleming, Kent D Tropical Plant & Soil Science | |
| This extension education project will educate UH Cooperative Extension agents and Hawaii farmers about the benefits of the newly available USDA farm revenue insurance (AGR-Lite), including how to implement a cost accounting system in developing an effective marketing strategy using this risk management tool. | |
| 2. DA-Dept of Agriculture | \$487,619 |
| "Mainstream Ethnic Foods of Concern to the US Marketplace and Their Impact on Food Safety" | |
| Saulo, Aurora S Tropical Plant & Soil Science | |
| Identify mainstream ethnic foods and determine science-based solutions to safety concerns for use of food inspectors and the public. | |
| 3. DA-Sustainable Agriculture Research & Education | \$25,000 |
| "Subregional Showcase Conference for Hawaii" | |
| Deenik, Jonathan Tropical Plant & Soil Science | |
| Hold a 2-day conference in Hawaii for WSARE stakeholders from Hawaii and American Samoa. | |

FROM: DHHS-Dept of Health & Human Services

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| 1. DHHS-Administration for Children and Families | \$520,000 |
| "Pacific Basin University Centers for Excellence" | |
| Stodden, Robert A Center on Disability Studies | |
| The Pacific Basin University Center for Excellence (PBUCE) in Developmental Disabilities achieves its goals through governance, technical assistance & mentorship activities, to further develop the capacity of the Centers to fulfill the requirements of DD Act and basic management/organizational administration components. | |
| 2. DHHS-Dept of Health & Human Services | \$100,000 |
| "Administration and Reporting of The Federally-Funded Temporary Assistance for Needy Families Block Grant ("TANF")" | |
| Flynn, Luke P Haw Inst Geophys - SOEST | |
| As part of creating innovation in education, the Department of Business, Economic Development & Tourism (DBEDT) is requesting a contract with the Hawaii Space Grant Consortium to administer and measure the effectiveness of utilizing scholastic robotics programs to accomplish TANF objectives. | |
| 3. DHHS-Dept of Health & Human Services | \$38,559 |
| "Advanced Education Nursing Traineeship (AENT) Project" | |
| Kataoka-Yahiro, Merle Nursing | |
| To provide the financial support necessary for the master's and doctoral students from diverse backgrounds to receive advanced education training. | |

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| 4. | DHHS-Dept of Health & Human Services
"University Center for Excellence in Developmental Disabilities Education, Research & Service"
Stodden, Robert A Center on Disability Studies
This grant is being submitted by the UH-CDS to the Administration on Developmental Disabilities for a 5-year grant to provide support for the University Center on Excellence. This will be accomplished through interdisciplinary training, community training and service, research and evaluation, and dissemination activities. | \$520,000 |
| 5. | National Institutes of Health
"Faith-Based Breast Cancer Screening Intervention"
Kaopua, Lana Cancer Research Center
This study tests the feasibility of a faith-based and culturally-tailored intervention aimed at increasing Hawaiian women's routine use of mammograms and clinical breast examination. The intervention includes education, survivor testimonials, resource navigation, and support to women associated with churches in medically underserved communities. A pretest-posttest group control design is used with randomization of churches to condition and women within churches as the observation unit. The project is known in the community as Ka Lei Mana'olana (the lei of hope) and reflects the project's grounding in community-based participation and the coming together of women, families, churches, and researchers to reduce breast cancer mortality. | \$115,922 |
| 6. | NIH-Nat'l Cancer Institute (NCI)
"Epidemiologic Studies of Diet and Cancer in Hawaii"
Kolonel, Laurence N Cancer Research Center
Maintain biorepository of specimens from Multiethnic Cohort members. | \$110,899 |
| 7. | PHS-Centers for Disease Control (CDC)
"Coordinating Center for the National Academic Centers of Excellence on Youth Violence Prevention"
Hishinuma, Earl Psychiatry- MED
Fulfill overall objectives of the ACE program by: 1) enabling faster development, synthesis, & broader dissemination of center-specific/cross-center activities & products in youth interpersonal violence research & practice; and 2) serving as a key resource for the efficient national translation of knowledge generated by the ACE program into health & community practice. | \$190,708 |
| 8. | PHS-Health Resources and Services Admin (HRSA)
"Hawaii MCH Leadership Neurodevelopmental Disabilities"
Iwaishi, Louise K Center on Disability Studies
Interdisciplinary leadership training for advanced graduate students in maternal child leadership. | \$495,166 |

FROM: DOD-Dept of Defense		
1.	DOD-Air Force Office of Scientific Research "The Panoramic Survey Telescope and Rapid Response System (Pan-STARRS)" Kaiser, Nick Institute for Astronomy Supplemental funding for the design and construction of the Panoramic Survey Telescope and Rapid Response System (Pan-STARRS) PS2 prototype facility and operation of the PS1 prototype facility.	\$364,395
2.	DOD-Naval Research Laboratory "Re-circulating Flume for Enhanced Laboratory Research on Unmanned Undersea Vehicles (UUVs)" Choi, Song Mechanical Engineering To purchase a state-of-the-art re-circulating flume to enhance the capability of the two laser velocimetry systems set-up for high-resolution flow measurement and visualization for conducting research on the impact of suspended sediment and strong current on towed, submerged objects, and near-surface unmanned underwater vehicles.	\$427,944
FROM: ED-Dept of Education		
1.	ED-Dept of Education "PALS: Program for Afterschool Literacy Support" Ah Sam, Anna L F Office of Student Affairs PALS will address the literacy needs of Native Hawaiian children in grades 3 to 6 in "restructuring" schools by examining the effectiveness of specific literacy interventions on student No Child Left Behind-related achievement outcomes.	\$421,324
2.	ED-Dept of Education "Creating a Mobile High-Touch, High-Tech Learning Environment: A Program to Promote Academic & Psychosocial Engagement & to Increase Participation STEM" Awakuni, Gene UH-West Oahu This proposal addresses the activities that UHWO can implement to increase college success as measured by improving retention and graduate rates. It also aims to increase access to higher education by increasing opportunities for students to participate successfully in STEM classes and disciplines. UHWO will develop a high-touch mobile learning environment.	\$500,000
3.	ED-Dept of Education "State of Hawaii GEAR UP 84.334S" Daniel, Shirley J Planning & Policy Increasing the number of low-income students who are prepared to enter and succeed in postsecondary education.	\$2,688,000
4.	ED-Dept of Education "Fulbright-Hays Doctoral Dissertation Abroad" Garrod, Peter V Graduate Division Conduct research outside the United States in the field of modern foreign language and area studies (study of the aspects of a society or societies, including study of their geography, history, culture, economy, politics, international relations).	\$24,072

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| 5. | ED-Dept of Education | \$231,500 |
| | "National Resource Center and Foreign Language and Area Studies Fellowships - NRC" | |
| | Hanlon, David L. | History |
| | The work to be funded includes instruction, conferences, and a community outreach program, all designed to promote knowledge of the Pacific Islands. The development of language materials and the enhancement of library resources comprise two other key areas of the project. | |
| 6. | ED-Dept of Education | \$1,097,246 |
| | "LEI Aloha's Connections to Teaching Careers - 4.336C" | |
| | Ho, Curtis P | Educational Technology |
| | To diminish teacher shortages for the State of Hawaii on a long-term basis, a systematic approach to recruitment, preparation, and induction of new teachers needs to be institutionalized. This project proposes to build a collaborative continuum of important educational stakeholders to create more highly knowledgeable teachers for our high needs schools. | |
| 7. | ED-Dept of Education | \$297,033 |
| | "Leeward Community College - Upward Bound Math/Science; 2007-2012" | |
| | Hoshino, Sandy | Leeward CC |
| | Provide college preparatory services for high school youth. Program's purpose is to increase academic performance and college going rates in low income and first generation students. | |
| 8. | ED-Dept of Education | \$388,687 |
| | "First Step to Success" | |
| | Johnson, Jean | Center on Disability Studies |
| | The goal of this proposed project is to reduce the frequency of antisocial behaviors exhibited by at-risk children thus positively impacting their academic success through the implementation of the First Step to Success early intervention program. | |
| 9. | ED-Dept of Education | \$557,746 |
| | "STEM Scholars Program: A Proposal to Grow, Extend, and Disseminate Native Hawaiian Excellence in STEM Education" | |
| | Kaakua, Joshua | College of Engineering |
| | Activities to increase participation of Native Hawaiians in Science, Technology, Engineering, and Mathematics including outreach, high school workshops, bridge programs, student internships, and student stipends. | |
| 10. | ED-Dept of Education | \$292,034 |
| | "ACE for English Language Learner's Literacy: Professional Development Program" | |
| | Kim-Rupnow, Weol-Soon | Center on Disability Studies |
| | Our purpose is to develop, provide, and evaluate high-quality Professional Development (DP) activities that will result in improved academic achievement with enhanced English skills and motivation of ESL students. | |

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| 11. | ED-Dept of Education
"University of Hawaii at Manoa GEAR UP Program"
Labrador, Roderick Office of Student Affairs
The GEAR UP Partnership provides 675 low-income middle school students access to rigorous academic preparation, financial information, and education awards to enter and succeed in postsecondary education. The program features an Innovative language awareness and culture education component, tutoring, mentoring, professional development, and parent workshops. | \$478,665 |
| 12. | ED-Dept of Education
"Pono School Climate Project"
Leake, David Center on Disability Studies
The project's vision is to use Native Hawaiian cultural values to create safe and nurturing learning environments where all students achieve high academic standards, choose to remain in school, attain skills necessary to reach their goals and meet their potential, and are contributing members of society. | \$383,783 |
| 13. | ED-Dept of Education
"Adapted Physical Education Training of u.S. Pacific Islanders Using a Teacher-Consultant Model (Project APERT)"
Murata, Nathan M Kinesiology & Leisure Sci
Project APERT is based on a Teacher-Consultant Model that will increase the number of qualified personnel providing general and adapted physical education services to P-12 pupils with high and low incidence disabilities in American Samoa, Guam and rural areas of Hawaii. | \$194,766 |
| 14. | ED-Dept of Education
"Windward Community college Educational Talent Search Program -Windward"
Oliveira, Judy Windward CC | \$226,600 |
| 15. | ED-Dept of Education
"Renovations for Student Success in Developmental, Digital Media/STEM, and Business Education"
Richards, Leon Kapiolani CC
Renovation of the Kahikoluamea Center (Iliahi, Manele), Business Learning Center, and Digital Media/STEM Center (Kopiko) will create learning settings for improved student support services, increased student effort in active, collaborative, and technology-integrated learning of Developmental, Digital Media/STEM, and Business Education curricula. | \$1,989,000 |
| 16. | ED-Dept of Education
"Liko Ae Native Hawaiian Scholarship Program"
Sakamoto, Clyde Maui CC
The Liko Ae Native Hawaiian scholarship program proposes to provide scholarship to Native Hawaiian students here and on the US continent pursuing a higher education degree. | \$1,345,276 |

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| 17. | ED-Dept of Education | \$1,051,490 |
| | "Liko A'e III: Native Hawaiian Scholarship Program" | |
| | Sakamoto, Clyde | Maui CC |
| | The Liko A'e III Native Hawaiian Scholarship program proposes to provide scholarship to Native Hawaiian students here and in other US states pursuing higher education. | |
| 18. | ED-Dept of Education | \$191,593 |
| | "Health Law Policy Center" | |
| | Soifer, Aviam | School of Law |
| | Initiate a Health Policy Center in Hawaii that will be of lasting benefit to all the people of Hawaii, as well as to people far beyond our shores. | |
| 19. | ED-Dept of Education | \$425,000 |
| | "Ka'imi loa o ka hihi Project: Math and Science WebQuests" | |
| | Stodden, Norma Jean | Center on Disability Studies |
| | This project will develop standards-based math and science WebQuests (WQs) for grades 4 - 7 to increase the academic achievement of Native Hawaiian students at-risk and with disabilities. | |
| 20. | ED-Dept of Education | \$320,944 |
| | "Culturally Responsive Response to Intervention Strategies" | |
| | Stodden, Robert A | Center on Disability Studies |
| | Project will serve up to 500 Native Hawaiian (NH) youth in grades 7-12 who have been inappropriately or are at risk of being identified as eligible for special education services under the requirements of the Individuals with Disabilities in Education Act (IDEA) and are most at risk of school failure. | |
| 21. | ED-Dept of Education | \$426,991 |
| | "Maui County Educational Opportunity Center" | |
| | Tagomori, Alvin R | Maui CC |
| | Provide college access services - career exploration, college and financial aid information and application assistance to predominantly low-income , first generation maui county residents. | |
| 22. | ED-Dept of Education | \$397,686 |
| | "HANA LIKE: Hawaiian Youth Improve Education and Create Their Futures" | |
| | Yuen, JoAnn | Center on Disability Studies |
| | Native Hawaiians are underrepresented in the teaching and computer/technology professions, they are overrepresented in special education and in the justice system. Our project will implement programs in four sites (2 public schools, 2 alternative schools) to address these issues. | |

23. ED-Off of Postsecondary Ed \$226,599

"The University of Hawaii at Manoa Educational Talent Search Program (METS)"

Goo, Maile

Office of Student Affairs

The University of Hawaii at Manoa Education Talent Search program will serve 600 participants from 3 schools in the Leeward district of Oahu. Two-thirds of participants will be low-income families and will be potential first-generation college students. Comprehensive educational support services will be provided to ensure education success.

FROM: National Science Foundation

1. National Science Foundation \$209,000

"Upgrade of the Petrofabrics and Paleomagnetism Laboratory of the University of Hawaii"

Herrero-Bervera, Emilio

Haw Inst Geophys & Planet

Upgrading existing equipment in Paleomagnetic and Petrofabrics Laboratory at UH.

2. National Science Foundation \$26,937

"University of Hawaii Oceanographic Instrumentation CY2008"

Taylor, Brian

Sch Ocean, Earth Sci & Tec

Request for three items of shared use, oceanographic instrument, for R/V Kilo Moana.

3. National Science Foundation \$649,985

"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. DBEDT-Energy, Resources & Technology Div \$18,843

"Wind Energy Education and Anemometer Loan Program"

Foreman, Cynthia

Maui CC

Incorporate wind energy education and demonstration activities into the Sustainable Construction Technology Program. Design and implement an anemometer loan program, and gather wind energy data under the program. Make data and reports available to the general public via the internet. Provide quarterly reports for State approval.

2. Hawaii-Dept of Business & Economic Development \$370,000

"Creativity Academies"

Pagotto, Louise

Kapiolani CC

Along with Department of Business, Economic Development and Tourism/Creative Industries Division and the Career and Technical Education Program, Department of Education, the College will establish and support a standards-based Creativity Academies Pilot Program, associated curriculum, dual credit criteria, teacher training and program implementation in select high schools.

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| 3. | Hawaii-Dept of Health
"Hawaii Health Data Warehouse"
Maddock, Jason E Public Health Sciences
Maintain the operation of the Hawaii Health Data Warehouse with the addition of new data sets new report templates and expand technical training to more DOH users. Enhance the functionality of the warehouse and website. | \$1,277,294 |
| 4. | Hawaii-Dept of Human Services
"Partnership to Promote the Efficiency and Effectiveness of the State of Hawaii's Medicaid Program through Quality Assurance"
Boland, Mary G. Nursing
Assist DHS to conduct its quality assurance activities related to the MedQuest program and to continue to identify opportunities to improve Medicaid enrollment and utilization and expand access. | \$399 |
| 5. | Hawaii-Dept of Human Services
"Learning to Grow 2008-2009"
Fong, Grace Family and Consumer Sciences
Learning to Grow will develop, disseminate, and evaluate education outreach programs and resource materials for families receiving child care subsidies from the State, with the aim of improving the quality of care provided to children ages birth to five. | \$450,910 |
| 6. | Hawaii-Dept of Human Services
"Vocational Skills Instruction for First-to-Work Participants"
Hoshiko, Carol A Kapiolani CC
Provide continuing education instruction for eligible First-to-Work, Department of Human Services students in existing classes noted under previous agreement. | \$26,400 |
| 7. | Hawaii-Dept of Human Services
"Healthy Child Care Hawaii"
Iwaishi, Louise K Pediatrics- MED
This project expands a statewide system of child care health consultants; provides training to pediatric residents with opportunities for teaching early childhood development and health issues for staff and families at child care sites; promotes health and safety in child care and provides information on medical homes and health resources. | \$107,957 |
| 8. | Hawaii-Dept of Human Services
"Nutrition Consultation and Review"
Kanehiro, Naomi A Coop Extension Svc- CTAHR
The goal of this project is to promote and support quality nutrition services provided by licensed child care providers and thereby contribute to the health and safety of the children enrolled. | \$75,000 |
| 9. | Hawaii-Dept of Human Services
"Adult Basic Education and Vocational Instruction"
Tagawa, Michael College of Continuing Education
Delivery of Adult Basic Education courses & Vocational Instruction tuitions. | \$179,124 |

10. Hawaii-Dept of Human Services	\$517,022
"Memorandum of Agreement Relating to Quality Care for Home-Based and Center-Based Child Care Providers"	
Yuen, Sylvia H L	Center on the Family
Develop curriculum, training, assessment, and evaluation for increasing the quality of child care in all settings in the state. Develop a database to monitor activity and generate reports.	
11. Hawaii-Dept of Public Safety	\$169,515
"Sex Offender Program Officer"	
Matsuoka, Jon K	School of Social Work
To provide a clinical director who is experienced in the administration of sex abuse education and treatment services in a correctional institution.	
12. Hawaii-Dept of Public Safety	\$100,000
"Public Safety Training Collaboration Project"	
Wilson, Leven	School of Social Work
To provide training to Hawaii Department of Public Safety employees.	
13. Hawaii-Executive Office on Aging	\$135,000
"Cash and Counseling"	
Lum, Wesley	School of Social Work
To design a Cash and Counseling program for non-Medicaid recipients and to conduct a statewide respite inventory.	
14. Hawaii-Executive Office on Aging	\$270,636
"Aging and Disability Resource Center"	
Lum, Wesley	School of Medicine
To be the state-level project leader for the development of the Aging and Disability Resource Center.	
15. Hawaii-Executive Office on Aging	\$25,000
"Educating Family Caregivers on Healthcare Fraud"	
Yancura, Loriena	Family and Consumer Sciences
The proposed study will disseminate, statewide, previously developed educational materials for family caregivers of elderly individuals to create public awareness of healthcare fraud, waste, and abuse.	
16. Hawaii-Judiciary	\$7,830
"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.	
17. Hawaii-Off of Hawaiian Affairs	\$100,000
"Hawaii Innocence Project"	
Hench, Virginia	School of Law
Provide legal assistance free of charge to indigent Hawaii prisoners who have credible claims of actual innocence of the crime(s) for which they are imprisoned.	

18. Hawaii-Off of Hawaiian Affairs \$305,000
 "Education for the Nation"
 Kame'eleihiwa, Lilikala School of Hawaiian Knowledge
 This grant will allow Kamakakuokalani Center for Hawaiian Studies to continue it's good work in creating new Hawaiian culture classes, doing research on Hawaiian Ceded Lands, and seeking new monies through grant writing activites to continue these activities beyond this one year extension.
19. Hawaii-Off of Hawaiian Affairs \$750,000
 "Senate Bill 1784: A Waianae Community/Department of Education/University of Hawaii at Manoa Partnership to Establish Hookulaiwi: Aha Hoonaaauo Oiwi"
 Maaka, Margaret College of Education
 Hookulaiwi aims to offer original insights into Hawaiian knowledge and practices, as well as insights on how this information can be utilized to form the pedagogical foundations to K-12 classrooms with high numbers of Hawaiian children and graduate level education. This request is in conjunction with a Hawaii State Legislature appropriation, which must be matched by OHA.
20. Hawaii-Off of Hawaiian Affairs \$7,037
 "Ku Me Ka 'Ohana (Stand Tall with Family)"
 Mokuau, Noreen K School of Social Work
 This application is for financial support to enhance a culturally tailored intervention for Native Hawaiian women with breast cancer through: (1) the purchase of refreshments for 150 family visits, and (2) the provision of a small stipend for graduate social work students trained to assist in the delivery of this intervention.
21. Hawaii-Off of Hawaiian Affairs \$7,905
 "Leo Kanaka Maoli (Halawa)"
 Tagawa, Michael Leeward CC
 Delivery of Native Hawaiian Language classes at Halawa Medium Security Correctional Facility, 2x/week for 11-12 week sessions, 4x/year. The primary objective is to teach the foundations of the Hawaiian language and provide opportunities for speaking with short idioms and phrases through oratory. Additional support through the use of videos, and guest speakers.
- FROM: Hawaii- Associations, Foundations, Societies, etc.
1. HCF-Hawaii Community Foundation - General Fund \$34,020
 "Kupuna Adult Group Home Project: Residential Care Resource & Training for ARCH, Expanded ARCH & Adult Foster Homes"
 Hayashida, Cullen T Kapiolani CC
 This is a proposal for Phase I of a 3-year statewide geriatric residential care training and technical assistance program (1) to improve the quality of care provided by Hawaii's residential care homes and (2) increase their ability to serve a frailer population by creating training modules, technical manuals and resources. Phase II funding will be requested later.

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|----------------------------------|---|----------|
| 2. | HCF-Hawaii Community Foundation - General Fund
"Sink or SLIM: Sustainable Living 101"
Sakamoto, Clyde Maui CC
We are writing to request \$11,900 to support a portion of the production costs associated with completing a 30 minute short film entitled: SINK OR SLIM: SUSTAINABLE LIVING 101. The goal of this film is public outreach. The message is Sustainable Living. | \$11,900 |
| 3. | Pacific Marine Life Foundation
"Malama Maunalua: Restoration Through Education and Outreach"
Grau, E Gordon Sea Grant - SOEST
To undertake and assist in a comprehensive restoration of Maunalua Bay and its adjacent watersheds. UH Sea Grant will utilize a public education program aimed at building awareness and stewardship among residents, the larger local community, key decision-makers, and visitors based on successful ReefTeach, ReefWatch, and ReefTalk activities and on our Hanauma Bay Education Program. | \$15,000 |
| FROM: Hawaii- Business and Other | | |
| 1. | East West Center
"Pacific RISA Integrated Climate Research and Assessment Activities"
Anderson, Cheryl Social Science Rsrch Inst
Work on the Pacific RISA to provide continuity in the development of decision-support tools, experiential databases, and networks among the Pacific Climate Community. | \$56,160 |
| 2. | Hawaii Agricultural Development Corporation
"Waiaka Hog Farmers Cooperative"
Zaleski, Halina M Human Nutrition, Food & Animal
1) Developing engineering design and installation drawings for a pipe from the King Kong pump outlet routing the flow past the piggeries, 2) Monitoring construction of ADC approved construction projects, and 3) Working with the Waiaka Hog Farmers Cooperative to assist in cooperative development and livestock and waste management. | \$18,143 |
| 3. | Healy Tibbits Builders, Inc.
"Ocean Engineering Internship"
Cheung, Kwok F Ocean & Resources Engineering -
Internship program for graduate students in Ocean and Resources Engineering. | \$27,395 |
| 4. | Kauai Economic Development Board
"Kauai Economic Data Update 2008"
Gangnes, Byron Social Science Rsrch Inst
This is an amendment to the new Kauai Economic Data Update 2008 project. Extend the Kauai Economic Outlook Summary report to include a more in-depth economic analysis than has been done in previous years. Also, presentation of the report at a public meeting on Kauai. | \$5,000 |

5.	Makai Ocean Engineering, Inc "Ocean Engineering Internship" Cheung, Kwok F Ocean & Resources Engineering - Internship program for graduate students in Ocean and Resources Engineering.	\$28,489
6.	Maui Economic Development Board "Reed Act" Tagomori, Alvin R Maui CC MCC-Ku'ina Program plans to utilize US Department of Labor funds to implement activities proposed under Reed Act which is Wagner Peyser types of activates (job search assistance, job referral, placement assistance for job seekers, recruitment services to employers with job openings, etc.)	\$250,000
7.	Oceanit Laboratories, Inc "Ocean Engineering Internship" Cheung, Kwok F Ocean & Resources Engineering - Internship program for graduate students in Ocean and Resources Engineering.	\$56,977
FROM: Hawaii- Health Organizations		
1.	Hawaii Medical Service Assoc Foundation "Hawaii State Telehealth Strategic Plan" Birkmire-Peters, Deborah School of Medicine Formulate a Hawaii State Telehealth Strategic Plan, to include the design and initial implementation of a statewide collaborative organization.	\$40,000
2.	Queen's Medical Center "Ike Ao Pono/Native Hawaiian Health Initiative" Minton, B. Nalani School of Nursing & Dental Financial student and program support including academic tutor, scholarships, cultural program costs (see typical example of budget for program expenditures, including food and lei), graduation events, workshops, conferences, special projects including film, research, fundraising activities, cultural exchanges, excursions and activities.	\$90,000
3.	Waianae Coast Comprehensive Health Center "FY 2008 WCHC Health/Nursing Programs" Lanzilotti, Salvatore Kapiolani CC Provide training for health professions and nurse aide courses for Waianae Health Academy.	\$159,636
FROM: Mainland- Associations, Foundation, Soc, etc.		
1.	US Department of Education "Ha'akumalae" Dykstra, Douglas Hawaii CC The Hawaiian Life Styles Program of Hawaii Community College will conduct three activities to improve Native Hawaiian educational attainment: (1) renovating instructional space; (2) strengthening native hawaiian student success; (3) developing faculty connections.	\$1,038,725

FROM: U.S. Universities and Colleges

- | | |
|---|------------------------|
| 1. Univ of California- Los Angeles | \$5,900 |
| "Pacific Public Health Training Center" | |
| Yontz, Valerie | Public Health Sciences |
| The grant's goal is to develop and support public health training opportunities that are consistent with the public health workforce development objectives in Healthy People 2010. | |
| 2. Western Washington University | \$26,000 |
| "Student in Service (SIS)" | |
| Pascua, Atina T | SVP - Academic Affairs |
| Provide opportunities for students to be involved in community service and service learning. | |

FROM: All Non-U.S.

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|--|-------------------------|
| 1. Japan Foundation | \$70,000 |
| "Okinawan Studies in the United States" | |
| Huey, Robert | Japanese Studies- SHAPS |
| These projects include symposium, publications, curriculum development, faculty research, and library development. | |

Funds Received from UH Foundation

RESEARCH AWARDS

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

- | | |
|--|--------------------------------|
| 1. Univ of Hawaii Foundation | \$6,000 |
| "Collaborative Software Development Laboratory Fund" | |
| Johnson, Philip M | Info & Computer Science |
| Perform research on automated software engineering process and product collection, analysis, interpretation, and dissemination using the Hackystat Framework. | |
| 2. Univ of Hawaii Foundation | \$6,000 |
| "Design of a Continuous Flow Microwave Pasteurizer" | |
| Jun, Soojin | Human Nutrition, Food & Animal |
| Dr. Chun will train Dr. Jun in the setup and use of a pilot scale continuous microwave pasteurization system for the purpose of developing food processing technology. Dr. Chun shall also provide consultation services which shall include assistance in the pursuit of research grant funds pertaining to food engineering. | |

NON-RESEARCH AWARDS

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

- | | |
|---|---------------------------|
| 1. Univ of Hawaii Foundation | \$500 |
| "English Translation of the Hanrei (Front matter) of the Nihon Kokugo Daijiten" | |
| Cohn, Joel R | East Asian Language & Lit |
| Editing and preparation of an electronic version of an English translation of a key Japanese language reference source for dissemination on the internet. | |
| 2. Univ of Hawaii Foundation | \$3,300 |
| "Journal of Natural Resources Policy Research" | |
| Gopalakrishnan, Chennat | Natural Resources & |
| To launch a new journal in the field of natural resources and environmental policy, "Journal of Natural Resources Policy Research", to be edited by Professor Chennat Gopalakrishnan of the Department of Natural Resources and Environmental Management at UH Manoa. Work will involve a variety of editorial activities connected with journal publication. | |
| 3. Univ of Hawaii Foundation | \$36,541 |
| "Philosophy in the Schools Graduate Assistant" | |
| Jackson, Thomas E | Philosophy |
| Continuation of a graduate assistant to provide administrative support to Director of Philosophy in the Schools Program. Activities include: classroom observations, monthly meetings with participating teachers, and monthly meetings with participating graduate students. | |

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| 4. | Univ of Hawaii Foundation
"President's Emerging Leaders Program, 2008-09"
Johnsrud, Linda Planning & Policy
To pay for program costs related to the President's Emerging Leaders Program (second year) for the period of July 1, 2008 through June 30, 2009. | \$10,000 |
| 5. | Univ of Hawaii Foundation
"Sam & Mary Castle P-3 Dir Salary"
Johnsrud, Linda Planning & Policy
To pay for P-3 Initiative Director's salary and fringe charges. | \$26,538 |
| 6. | Univ of Hawaii Foundation
"P-20 Educational Outcomes"
Johnsrud, Linda Planning & Policy
To pay for salary and fringe cost for Hawaii P-20 staff to implement the Hawaii P-20 Initiative Strategic Plan. | \$202,000 |
| 7. | Univ of Hawaii Foundation
"Moore Foundation Award: 2008-2012"
Karl, David M Oceanography - SOEST
To support David Karl and his research in marine microbiology. | \$897,209 |
| 8. | Univ of Hawaii Foundation
"Sen Chair 2008-2009"
McNally, Mark History
To partially support the salary and fringe benefits for the Soshitsu Sen XV Distinguished Professor of Traditional Japanese Cultural History. | \$79,430 |
| 9. | Univ of Hawaii Foundation
"Kapiolani Community College Activities"
Richards, Leon Kapiolani CC
Agreement to allow the University to make payments to individuals utilizing the UHF funds. | \$20,000 |

EXTRAMURAL RESEARCH AWARDS
FOR THE MONTH OF JULY 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	0.26
DA-Dept of Agriculture	14	\$1,491,226	7.67
Dept of Education	2	\$117,927	0.61
DHHS-Dept of Health & Human Services	14	\$4,380,547	22.54
DOC-Dept of Commerce	7	\$2,291,641	11.79
DOD-Dept of Defense	3	\$260,881	1.34
DOE-Dept of Energy	1	\$146,130	0.75
National Science Foundation	16	\$3,461,140	17.81
Nat'l Aeronautics & Space Administration	10	\$660,576	3.40
Hawaii- Government Agencies	12	\$1,152,235	5.93
Hawaii- Associations, Foundations, Societies, etc.	8	\$344,181	1.77
Hawaii- Business and Other	2	\$278,508	1.43
Mainland- Associations, Foundation, Soc, etc.	1	\$100,000	0.51
Mainland- Business	5	\$1,392,074	7.16
Mainland- Health Organizations	1	\$10,000	0.05
Mainland- Other	10	\$596,918	3.07
U.S. Universities and Colleges	6	\$355,761	1.83
All Non-U.S.	2	\$2,343,454	12.06
	116	\$19,434,342	100.00

EXTRAMURAL NON-RESEARCH AWARDS
FOR THE MONTH OF JULY 2008
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University of Hawaii Foundation	2	\$42,283	0.16
DA-Dept of Agriculture	3	\$542,617	2.04
DHHS-Dept of Health & Human Services	8	\$2,091,254	7.86
DOD-Dept of Defense	2	\$792,339	2.98
ED-Dept of Education	23	\$14,156,035	53.18
National Science Foundation	3	\$885,922	3.33
Hawaii- Government Agencies	21	\$4,900,872	18.41
Hawaii- Associations, Foundations, Societies, etc.	12	\$1,336,438	5.02
Hawaii- Business and Other	7	\$442,164	1.66
Hawaii- Health Organizations	3	\$289,636	1.09
Mainland- Associations, Foundation, Soc, etc.	1	\$1,038,725	3.90
U.S. Universities and Colleges	2	\$31,900	0.12
All Non-U.S.	1	\$70,000	0.26
	88	\$26,620,185	100.00

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

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Dept of Education	2	\$117,927	0.61
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	116	\$19,434,342	100.00

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U.S. Universities and Colleges	2	\$31,900	0.12
All Non-U.S.	1	\$70,000	0.26
	88	\$26,620,185	100.00

Awards Received by University of Hawaii at Hilo

RESEARCH AWARDS

FROM: Department of Interior

- | | | |
|----|--|-----------|
| 1. | Department of Interior, USGS
"Koa Ohia Community Ecology" | \$ 28,202 |
|----|--|-----------|

Sharon Ziegler Chong

UHH Aquaculture

FROM: National Science Foundation

- | | | |
|----|--|------------|
| 1. | National Science Foundation
"PTSD Research Yr 3, FY 09" | \$ 138,853 |
|----|--|------------|

Bartley Christopher Frueh

UHH Psychology

FROM: US Colleges & Universities

- | | | |
|----|--|-----------|
| 1. | Purdue University
"Pharmaceutical Development Domain Expertise" | \$ 79,192 |
|----|--|-----------|

Kenneth Morris

UHH Pharmacy

NON-RESEARCH AWARDS

FROM: Department of Interior

- | | | |
|----|---|------------|
| 1. | Department of Interior, USGS
"Unit Support & General Activities" | \$ 205,800 |
|----|---|------------|

Sharon Ziegler Chong

UHH Aquaculture

- | | | |
|----|--|----------|
| 2. | Department of Interior, US Fish & Wildlife
"Support - Former PIPES Interns" | \$ 1,500 |
|----|--|----------|

Sharon Ziegler Chong

UHH Aquaculture

FROM: Department of Commerce

- | | | |
|----|--|-----------|
| 1. | Department of Commerce, NOAA
"RELATE FY 09" | \$ 99,978 |
|----|--|-----------|

Sonia Juvik

UHH Sociology

FROM: Hawaii Government Agencies

- | | | |
|----|---|-----------------|
| 1. | State of Hawaii, DLNR
"Kanakaleonui Bird Corridor Planning" | \$ 14,000 |
| | Sharon Ziegler Chong | UHH Aquaculture |
| 2. | State of Hawaii, DLNR
"Kanakaleonui Bird, Student Intern" | \$ 7,000 |
| | Sharon Ziegler Chong | UHH Aquaculture |
| 3. | County of Hawaii, Research &
Development
"ID and Zoning of Near Shore Areas for Marine Aquaculture" | \$ 75,000 |
| | Maria Haws | UHH Aquaculture |

FROM: Hawaii Associations, Foundations & Societies

- | | | |
|----|--|----------------|
| 1. | Hawaii Community Foundation
"Visiting Artist Program (Artist in Residence)" | \$ 13,260 |
| | Wayne Miyamoto | UHH Humanities |

FROM: Hawaii Business and Other

- | | | |
|----|---|-------------------|
| 1. | Puna Geothermal Venture
"Geodetic Surveys - Kilauea Volcano" | \$ 43,949 |
| | James Anderson | UHH Geology |
| 2. | ALU LIKE, Inc.
"Ulukau 70 Titles" | \$ 150,000 |
| | Keiki Kawaiaea | UHH Hawn Language |

\$ 856,734

UNIVERSITY OF HAWAII AT HILO SUMMARY
EXTRAMURAL RESEARCH AWARDS: JULY 2008
DISTRIBUTION BY SPONSORS

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DOI - Department of Interior	1	\$ 28,202	11.4%
National Science Foundation	1	\$ 138,853	56.4%
US Colleges & Universities	1	\$ 79,192	32.2%
Total	3	\$ 246,247	100.0%

UNIVERSITY OF HAWAII AT HILO SUMMARY
 EXTRAMURAL NON-RESEARCH AWARDS: JULY 2008
 DISTRIBUTION BY SPONSORS

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DOI - Dept of Interior	2	\$ 207,300	34.0%
DOC - Dept of Commerce	1	\$ 99,978	16.4%
Hawaii Government Agencies	3	\$ 96,000	15.7%
Hawaii Associations, Foundations & Societies	1	\$ 13,260	2.1%
Hawaii Business and Other	2	\$ 193,949	31.8%
Total	9	\$ 610,487	100.0%

UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

EXTRAMURAL RESEARCH AWARDS: JULY 2008 – JULY 2008

DISTRIBUTION BY SPONSORS

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UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY
 EXTRAMURAL NON-RESEARCH AWARDS: JULY 2008 – JULY 2008
 DISTRIBUTION BY SPONSORS

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