

Gifts, Grants, and Contracts for June 2009

The following gifts, grants and contracts received by all campuses during the period June 1, 2009 through June 30, 2009 total \$54,541,058.

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

Research

DA-Dept of Agriculture

Agriculture, Dept - FED \$242,090

Value-added Products and Postharvest Treatments Development for Hawaii

Andrew G Hashimoto College of Tropical Agriculture and Human Resources

Developing innovative agricultural processes, including value-added biobased products, including bio-based fuels, novel postharvest technologies, marketing strategies, and appropriate training, that will expand and diversify Hawaii's agriculture and boost exports.

Agriculture, Dept - FED \$140,000

Hawaii Experimental Tropical Forest

David C Duffy Department of Botany

Build research expertise and infrastructure at the newly established Hawaii Experimental Tropical Forest to help enhance the capabilities to conduct research in watershed science, silviculture, restoration ecology, wetlands biology and other disciplines in the Forest.

Agriculture, Dept - FED \$64,624

Surveys of Invasive Alien Species of Terrestrial Snails and Slugs in Hawaii, Especially Those of Horticulture Concern

Robert H Cowie Pacific Biosciences Research Center

Survey alien snails and slugs in Hawaii, focusing on lowland areas distributed by human activities, and on higher elevation more pristine habitats, in order to ascertain the identity and distribution of the species present, which and how many of them have spread from the presumed horticultural facilities from which they originated.

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept - Natl Inst of Health (NIH) \$1,938,168

COBRE: Center for Cardiovascular Research

Ralph Victor Shohet Department of Medicine

This supplement is to expand the educational initiatives of the parent grant through the development of online training modules.

Health & Human Svc, Dept - Natl Inst of Health (NIH) \$2,098,681

Institute for Biogenesis Research: COBRE

William S Ward Dept Anatomy, Biochemistry, Physiology and Reproductive Biol

Develop the existing Institute for Biogenesis Research into a multi-disciplinary research center for reproductive biology research.

Health & Human Svc, Dept - Natl Inst of Health (NIH) \$66,005

Transcriptional and Physiological Analysis of Cardiac HIF-1

Ralph Victor Shohet Department of Medicine

We will identify the immediate downstream targets of HIF-1 transcriptional activation in vivo; measure the contribution of carbohydrates, long chain fatty acids and other substrates to energy production in the heart with HIF-1 over expression, define the angiogenic effects of HIF-1 over expression in the heart.

Health & Human Svc, Dept - Natl Inst of Health (NIH) \$1,440,370

Cancer Research Center of Hawaii

Michele Carbone Cancer Research Center

Assess current informatics systems at CRCH and develop an implementation plan for adopting in the three caBIG₂ software bundles.

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Research

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept/NIH - Natl Ctr on Minority Hlth & Hlth Disprty \$1,115,540

Partnerships for Cardiometabolic Disparities in Native and Pacific Peoples

Marjorie K H Mau

Department of Native Hawaiian Health

Additional requested funds.

Health & Human Svc, Dept/NIH - Natl Inst of Allergy & Infectious Dis \$64,493

Global HIV Drug Therapies and Mitochondrial Complications and Mechanisms

Mariana Gerschenson

John A. Burns School of Medicine

39 million people are living with HIV and when they are treated with drugs like d4T or ZDV this can cause side-effects like fat loss that we are trying to understand and prevent.

Health & Human Svc, Dept/NIH - Natl Inst of Nursing Rsch \$283,143

Center for 'Ohana and Self-Management of Chronic Illnesses in Hawaii (COSMCI): Building Research Teams for the Future

Jillian Inouye

Department of 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.

DOC-Dept of Commerce

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$149,664

Measurement and Parameterization of Air-Sea DMS Transfer over the Southern Ocean in GasEx-III

Barry J Huebert

Department of Oceanography

We propose to use our new method for measuring the rate at which the ocean absorbs and emits DMS gas, which is emitted by ocean algae and controls the whiteness of clouds. We will deploy this method on the NOAA ship Ronald H. Brown as part of the GasEx-III program.

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$96,461

Evaluation and Improvement of NOAA Climate GCM Air-Sea Interaction Physics: An EPIC/VOCALS Synthesis Project

Yuqing Wang

Joint Institute for Marine and Atmospheric Research

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.

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$199,528

An Exploratory Application of Agent Based Modeling for Policy Evaluations in Hawaii's Longline Fishery

Ping Sun Leung

Department of Molecular Biosciences and Bioengineering

This research attempts to explore the use of Agent-Based Model as a flexible and comprehensive alternative for the analysis of fishers' responses to alternative fishery policies, using Hawaii's longline fishery as an illustrative example.

Gifts, Grants, and Contracts for June 2009

Research

DOD-Department of Defense

Defense, Dept - Office of Naval Research \$50,000
Integration of Seakeeping Capability in the Coastal and Ocean Modeling System through Google Map API
 Kwok Fai Cheung Department of Ocean and Resources Engineering
 Integration of seakeeping capability in the coastal and ocean modeling system through google map API.

Federal Agencies

Homeland Security, Dept - FED \$2,100,000
The National Center for Island, Maritime and Extreme Environment Security (CIMES)
 James R Gaines Vice President for Research
 The goal of this Center of Excellence is to develop leading-edge, multi-institutional, focused education and basic research program capable of delivering the scientific advances necessary to permit revolutionary improvements in America's ability to protect its citizens, infrastructure, economy, and environment in the Maritime, Remote Island, and Extreme Environment domain.

Foreign

Academy of Korean Studies \$23,890
Korean Civil Society and Re-emergence of Historical Memories
 Jungmin Seo Department of Political Science
 Producing quantitative and qualitative database on history-issue focused Korean civil society organizations and finding out the causal relationship between the growth of Korean civil society and the re-emergence of historical memories in Korea and international realm.

Japan Agency for Marine-Earth Science & Tech (JAMSTEC) \$2,246,000
JAMSTEC Year 13
 Kevin P Hamilton Department of Meteorology
 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.

Hawaii- Business and Other

Referentia Systems, Inc \$10,000
Distributed Simulation Tools to Enhance Naval and Joint Capabilities
 Gurdal Arslan Department of Electrical Engineering
 We propose to determine and assess the expected performance of algorithms in a given problem.

Research Corporation, University of Hawaii \$43,114
Exploration of the Northwestern Hawaiian Island's Deep-Sea Fauna and Habitats Using Baited Cameras
 Jeffrey C Drazen Department of Oceanography
 We propose to describe the deep-sea fauna of the northwestern Hawaiian Islands using baited traps and cameras from ~500-4000 meters depth.

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Research

Hawaii- Business and Other

Sunfuels Hawaii LLC \$16,274
NSF Center for Bioenergy Research & Development -- SunFuels Hawaii LLC Membership
 Scott Q Turn Hawaii Natural Energy Institute
 SunFuels Hawaii LLC is paying for a membership in the University of Hawaii site of the NSF supported Center for Bioenergy Research & Development

Hawaii- Government Agencies

Business, Econ Dev & Tourism, Dept (DBEDT) - HI \$1,200,000
Hawaii Hydrogen Power Park - Technology Validation of a Hydrogen Fueling Station
 Richard E Rocheleau Hawaii Natural Energy Institute
 Procure, install, commission, and conduct engineering and economic analysis of a hydrogen fueling station located at the Hawaii Gateway Energy Center at NELHA.

Business, Econ Dev & Tourism, Dept (DBEDT) - HI \$1,459,000
Ocean Floor Survey for Interisland Power Cable
 Brian Taylor School of Ocean and Earth Science and Technology
 Ocean floor survey for interisland power cable to link Oahu and Maui County.

City & County of Honolulu \$24,850
Biological & Habitat Assessment of Palolo Stream Oahu
 Michael H Kido Pacific Biosciences Research Center
 To conduct a detailed biological and habitat assessment evaluating the biological integrity of the stream as well as the condition of the habitat of the Palolo Stream (Oahu) for the City and County of Honolulu (Environmental Services Division).

County of Kauai \$50,000
Air Sampling and Analysis for Pesticides Residues and Odorous Chemicals in the Air in the Waimea Areas, Kauai
 Qingxiao Li Department of Molecular Biosciences and Bioengineering
 The purpose of this project is to analyze what chemicals (i.e., organic substances) are present in the ambient air in Waimea, Kauai and study what chemicals may cause health problems (exposure to people) if any.

County of Maui \$37,500
Kihei Coastline Mapping Project
 Charles H Fletcher Department of Geology and Geophysics
 Update the Maui Shoreline Atlas database for the Kihei-Makena Community Plan Areas and use newly calculated rates of shoreline change to identify the coastal erosion hazard zone for the year 2030.

Defense, Dept - Hawaii Army National Guard-HI \$31,900
Underage Drinking Social Marketing Campaign
 Stefan Keller Department of Public Health Sciences and Epidemiology
 Dr. Keller will be involved in creating an evaluation plan, developing survey and focus group instruments, consulting during data collection, performing data analysis, authoring of final report and peer reviewed publications.

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Hawaii- Government Agencies

Hawaiian Affairs, Office of-HI	\$37,000
<u>The Study of Disparate Treatment of Native Hawaiians in the Criminal Justice System (Quantitative Methods)</u>	
James Spencer	Department of Urban and Regional Planning
The project will conduct a study of secondary data on the disproportionate representation of Native Hawaiians in the Hawaii criminal justice system.	
Health, Dept - HI	\$695,999
<u>Social Epidemiology Project/Epidemiologic Research Relating to Public Health</u>	
Jason E. Maddock	Office of Public Health Studies
This project provides evaluation and research support to the Healthy Hawaii Initiative.	
Health, Dept - HI	\$33,902
<u>Evaluation of State/Tribal Youth Suicide Prevention Grant</u>	
Judith K Inazu	Social Science Research Institute
Evaluate youth suicide prevention initiative under the direction of the Hawaii State Department of Health.	
Health, Dept - HI	\$549,967
<u>Hawaii Physical Activity and Nutrition Coalition</u>	
Jason E. Maddock	Office of Public Health Studies
This project will develop and maintain a coalition to increase physical activity and improve nutrition in the state of Hawaii.	
Land & Natural Res, Dept - Div of Aquatic Resources-HI	\$300,000
<u>Evaluating the Effectiveness of Restricted Fishing Areas for Improving the Bottomfish Fishery in the Main Hawaiian Islands</u>	
Jeffrey C Drazen	Department of Oceanography
To evaluate the effectiveness of restricted fishing areas for improving the bottomfish fishery in the main Hawaiian Islands.	
Land & Natural Res, Dept - HI	\$330,000
<u>Cooperative Administration of FADs</u>	
Kim N Holland	Hawaii Institute of Marine Biology
Maintain the network of fish aggregation devices (FADs) around the Hawaiian Islands, promote dialogue with user community and facilitate appropriate collaborative research.	
Land & Natural Res, Dept - HI	\$52,000
<u>Plant Restoration and Enhancement, Micropropagation/Storage, Oahu EPRE 3</u>	
Nellie C Sugii	Lyon Arboretum
Continue tissue culture propagation and storage of the critically endangered Hawaiian plants.	
Land & Natural Res, Dept - HI	\$27,000
<u>Kauai Lagoons Nene Translocation Project</u>	
David C Duffy	Department of Botany
Develop, implement, and evaluate translocation techniques for nene goose populations from sites where they are in conflict with humans to more suitable habitats.	

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Hawaii- Government Agencies

Land & Natural Res, Dept - HI	\$20,000
<u>Assessment of Coral and Fish Disease in Three Priority Watersheds in Relationship to Land-Based Pollution Loads</u>	
Carl I Evensen	Department of Natural Resources and Environmental Management
We propose to examine the occurrence of coral and fish disease in relation to land-based pollutants including sediment and waste-water loads in three priority coral reef Land-Based Pollution Local Action Strategy (CRLBPLAS) watersheds.	
Land & Natural Res, Dept - HI	\$65,000
<u>Development of a Hawaii Statewide Assessment of Forest Conditions and Statewide Resource Strategy (HI-SWARS)</u>	
David C Duffy	Department of Botany
Develop an assessment of Hawaii forest conditions and a statewide resource strategy.	
Land & Natural Res, Dept - HI	\$38,000
<u>Plant Restoration and Enhancement, Micropropagation/Storage, Oahu EPRE 3</u>	
Nellie C Sugii	Lyon Arboretum
Continue tissue culture propagation and storage of the critically endangered Hawaiian plants.	
Land & Natural Res, Dept - HI	\$75,000
<u>Landowner Assistance Program for Endangered Species Protection</u>	
David C Duffy	Department of Botany
Provide conservation expertise to landowners on all aspects of assistance programs for endangered species protection, and assist in development of plans and agreements.	
Transportation, Dept - HI	\$10,000
<u>National Register Nomination for Hamakua Trestle Bridges</u>	
Spencer Leineweber	School of Architecture
Research and Write National Register of Historic Places Form for Six Steel and Concrete Bridges along the Hamakua Coast.	

Hawaii- Health Organizations

Kaiser Permanente - HI	\$52,246
<u>Hawaii Family DASH</u>	
Claudio R Nigg	Office of Public Health Studies
This is a subcontract for the physical activity intervention and assessment portion and the data analysis for a project addressing childhood obesity through the physician and at home.	

Hawaii- Non-Profit Organizations

HCF-Medical Research Funds	\$50,000
<u>Recombinant Oligomeric Antimicrobial Peptides with Enhanced Activities</u>	
Wei-Wen Winston Su	Department of Molecular Biosciences and Bioengineering
Develop recombinant antimicrobial peptides and examine their activities, to establish more effective antimicrobial peptides.	

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Hawaii- Non-Profit Organizations

HCF-Medical Research Funds	\$40,000
<u>A Novel Model of Molecular CCK-CRF Interaction in Anxiety</u>	
Cedomir Todorovic	John A. Burns School of Medicine
Anxiety disorders are on the increase in the state of Hawaii and it is important to understand the biological mechanisms of these disorders to aid pharmacological intervention. This project targets molecular candidates involved in the crosstalk between Cholecystokinin and Corticotropin releasing factor and their role in anxiety disorders.	
HCF-Medical Research Funds	\$50,000
<u>RSK2 Modulates Cell Adhesion</u>	
Joe William Ramos	Cancer Research Center
We have that the protein RSK2 modulates cell adhesion. We propose to determine the molecular mechanism for this function.	
Hawaii Community Foundation (HCF)	\$50,000
<u>Stroke and Functional Impairment Among Demented Elderly Nursing Home Patients in Hawaii</u>	
Christina Bell	Department of Geriatric Medicine
Retrospective cohort study to compare two groups: those with dementia and cerebrovascular disease, and those with dementia without cerebrovascular disease. Prevalence of dementia with cerebrovascular disease, risk factors, mortality rates, feeding dependence, functional status, and pneumonia will be compared.	
Hawaii Community Foundation (HCF)	\$50,000
<u>The Role of the Novel TRPM2 Calcium Permeable Ion Channel in Beta Cell Death</u>	
John G Starkus	Pacific Biosciences Research Center
The proposal aims to study how the ion channel TRPM2 may be involved in the autoimmune disease of Type 1 diabetes or juvenile diabetes.	
Hui Malama i ke Kai Foundation	\$9,050
<u>Hui Malama o ke Kai</u>	
Angela Sy	Department of Public Health Sciences and Epidemiology
Collect and analyze data on program activities for the Hui Malama o ke Kai program and provide other evaluation research support as needed.	
Lyman House Museum	\$5,000
<u>Design Plan for the Restoration the Annex Addition at the Lyman House</u>	
Spencer Leineweber	School of Architecture
The purpose of the Design Plan will be to understanding the construction and former layout of the addition, called the Annex, used by Father Lyman as an office for the Hilo Boarding School and as well as a barter room for the storage and exchange of material goods with the Native Hawaiians.	
University of Hawaii Foundation	\$19,600
<u>CRCH Traineeship</u>	
Michele Carbone	Cancer Research Center
Support of CRCH activity: 2008 Meiji Yasuda summer research fellowships.	

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Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$57,000

Philosophy for Children Research Associate

Thomas E Jackson Department of Philosophy

The Philosophy for Children Research Associate will gather data and conduct research on the effectiveness of a proposed "Philosopher in Residence" initiative at two public schools in Hawaii.

University of Hawaii Foundation \$8,700

Design of a Continuous Flow Microwave Pasteurizer

Soojin Jun Department of Human Nutrition, Food and Animal Sciences

Develop a pilot scale continuous flow microwave pasteurizer intensified with lethal wave functions. Dr. Jun will spend his one summer month to complete the system design and optimization in terms of food quality and safety.

Mainland- Business and Other

Agriculture, Dept - Agricultural Research Svc-FED \$53,878

Integrated Management Strategies for Invasive Social Insects in Hawaii and the Pacific Basin

Jack Kenneth Grace Department of Plant and Environmental Protection Sciences

Actively engage in independent research in IPM of urban pests and social insects such as fire ants, pest ants, subterranean termites and drywood termites. Evaluate effects of wood preservatives in preventing termite damage in Hawaii and the Pacific. Develop monitoring tools for invasive termite and ants.

BioLargo, Inc. \$16,857

Evaluation of CupriDyne to Mitigate Microbial Contamination of Beach Sand

Roger S Fujioka Water Resources Research Center

To determine whether addition of selective acids to CupriDyne reagent will enhance the disinfection of microorganisms in sand, which have become resistant to disinfection by adsorbing on to particulate matter or becoming part of biofilm.

Concurrent Technologies Corp \$844,500

Hawaii Underwater Chemical Munitions Survey Plan

Vassilis L Syrmos Vice Chancellor for Research and Graduate Education

To survey the Hawaiian Waters for Chemical Munitions.

GlaxoSmithKline \$9,568

A Randomized, Double-Blind, Parallel-Group, Multicenter Study to Determine the Efficacy and Long-Term Safety of Albiglutide Compared with Insulin in Sub...

Richard F Arakaki Department of Medicine

This study will evaluate the efficacy and long-term safety of a weekly injected dose of albiglutide as compared with insulin (insulin glargine) in subjects with inadequately controlled type 2 diabetes using only metformin or metformin + sulfonylurea.

GlaxoSmithKline \$10,145

A Randomized, Double-Blind, Placebo- and Active-Controlled, Parallel-Group, Multicenter Study to Determine the Efficacy and Safety of Albiglutide When...

Richard F Arakaki Department of Medicine

This study will evaluate the efficacy and safety of a weekly injected dose of albiglutide administered in combination with metformin as compared with metformin + sitagliptin, metformin + glimepiride, or metformin + placebo in subjects with inadequately controlled type 2 diabetes using only metformin.

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Mainland- Non-Profit Organizations

National Marine Sanctuary Foundation	\$10,648
<u>A Study to Determine the Underwater Noise Levels Associated with Pile Driving Operations off Kihei, Maui</u>	
Whitlow W L Au	Hawaii Institute of Marine Biology
Measure underwater sounds in Humpback Whale Sanctuary created by pile driving operations at the HIHWS office in Kihei, Maui	

National Aeronautics and Space Administration

National Aeronautics & Space Administration	\$33,600
<u>Water and Habitable Worlds</u>	
Karen J Meech	Institute for Astronomy
This project will trace the history of water from its formation in the interstellar medium to incorporation in the solar system, how it reaches the terrestrial planets, and its role in life.	
National Aeronautics & Space Administration	\$22,433
<u>Water and Habitable Worlds</u>	
Karen J Meech	Institute for Astronomy
This project will trace the history of water from its formation in the interstellar medium to incorporation in the solar system, how it reaches the terrestrial planets, and its role in life.	
National Aeronautics & Space Administration	\$14,215
<u>Water and Habitable Worlds</u>	
Karen J Meech	Institute for Astronomy
This project will trace the history of water from its formation in the interstellar medium to incorporation in the solar system, how it reaches the terrestrial planets, and its role in life.	
National Aeronautics & Space Administration	\$7,120
<u>Water and Habitable Worlds</u>	
Karen J Meech	Institute for Astronomy
This project will trace the history of water from its formation in the interstellar medium to incorporation in the solar system, how it reaches the terrestrial planets, and its role in life.	
National Aeronautics & Space Administration	\$814,367
<u>Water and Habitable Worlds</u>	
Karen J Meech	Institute for Astronomy
This project will trace the history of water from its formation in the interstellar medium to incorporation in the solar system, how it reaches the terrestrial planets, and its role in life.	
National Aeronautics & Space Administration	\$7,106
<u>Water and Habitable Worlds</u>	
Karen J Meech	Institute for Astronomy
This project will trace the history of water from its formation in the interstellar medium to incorporation in the solar system, how it reaches the terrestrial planets, and its role in life.	
National Aeronautics & Space Administration	\$61,516
<u>The Detailed Thermal Structure of Active Lava Bodies Revealed by the Earth Observing-1 Hyperion</u>	
Robert Wright	Hawaii Institute of Geophysics and Planetology

Gifts, Grants, and Contracts for June 2009

Research

National Aeronautics and Space Administration

Analysis of hyperspectral satellite data of active lava flows using an experimental NASA satellite; application of the results to lava flow modeling.

National Aeronautics & Space Administration \$102,986

Assessment of Lunar Resources: Using Targeted Observations of Mini-RF in Conjunction with Data from LROC, LEND, DLRE, LOLA, and LAMP

Jeffrey Gillis-Davis Hawaii Institute of Geophysics and Planetology

The proposed work will create a list of lunar geologic features to target with the Lunar Reconnaissance Orbiter mini radar. Data will be acquired of basalt flows of varying titanium content and lunar pyroclastic deposits to investigate the resource potential of these two types of deposits.

National Aeronautics & Space Administration \$127,652

LRO Mission Participation: Mineral Mapping With Diviner and LOLA

Paul Lucey Hawaii Institute of Geophysics and Planetology

The project funds the participation of Paul G. Lucey in the Lunar Reconnaissance Orbiter Mission to the Moon.

National Aeronautics & Space Administration \$103,721

An Investigation of Lunar Dark Mantle Deposits using LROC Data

Bernard Ray Hawke Hawaii Institute of Geophysics and Planetology

This is a proposal to be a Lunar Reconnaissance Orbiter Participating Scientist.

National Aeronautics & Space Administration \$57,555

Regional Planetary Image Center

Bernard Ray Hawke Hawaii Institute of Geophysics and Planetology

This is a proposal for the continued support of the Pacific Regional Planetary Image Facility at the University of Hawaii. Continued support is needed for the development and operations of the center.

National Aeronautics & Space Administration \$116,864

Combined Raman, Fluorescence, and Lidar Multi-Sensors (RFLMS) for Remote Mineralogical, Biological and Planetary Atmospheric Exploration

Shiv K Sharma Hawaii Institute of Geophysics and Planetology

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.

National Aeronautics & Space Administration \$57,000

Chemical, Mineralogical, and Isotopic Characterization of Stardust Samples from Comet Wild 2 by Ion Microprobe and Confocal Raman Spectroscopy

Gary Robert Huss Hawaii Institute of Geophysics and Planetology

I propose to study samples returned by NASA's Stardust mission to comet Wild 2 using our new cameca ims 1280 ion microprobe and Witec Confocal Raman microscope. The results will give us a better understanding of the origin of the solar system.

Gifts, Grants, and Contracts for June 2009

Research

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$72,021

Early Historic Landscapes of Cambodia's Mekong Delta

Miriam T Stark Department of 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.

National Science Foundation

National Science Foundation \$40,000

Collaborative Research: Energy-efficient Communication with Optimized ECC Decoders: Connecting Algorithms and Implementations

Aleksandar Kavcic Department of Electrical Engineering

System-level optimization of power-constrained communication links such as back-planes of internet routers or wireless sensor nodes.

National Science Foundation \$270,354

SpeX Upgrade for IRTF

John T Rayner 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.

National Science Foundation \$123,849

GOALI: Wireless Life Monitoring Transponders

Victor Manuel Lubecke Department of Electrical Engineering

We propose to explore wireless transponders to enhance Doppler radar sensing, by creating multi-static radar systems and by tagging subjects for identification and additional monitoring functions.

National Science Foundation \$51,000

I/URC Center for Bioenergy Research and Development

Scott Q Turn Hawaii Natural Energy Institute

Conduct bioenergy related research and development in accordance with Industry/University Cooperative Research Center program's Center for Bioenergy Research and Development.

National Science Foundation \$374,717

CAREER: The Cosmic Metallicity and Star Formation History of Galaxies

Lisa J Kewley Institute for Astronomy

The PI proposes a large research program to gain a simultaneous understanding of the metallicity and star formation history of galaxies between $0 < z < 3$.

National Science Foundation \$111,184

Collaborative Research: Crustal Accretion and Mantle Processes Along the Subduction Influenced Eastern Lau Spreading Center

Robert A. Dunn Department of Geology and Geophysics

Active and passive source seismic experiment along the Eastern Lau Spreading Center to image crustal and mantle structure.

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Research

National Science Foundation

National Science Foundation	\$248,760
<u>Understanding Paleo-Climate Tools: Effects of Carbonic Anhydrase and Mg on Oxygen Isotopes in Dissolved and Solid Carbonate</u>	
Richard E. Zeebe	Department of Oceanography
Using laboratory experiments, the project results will significantly contribute to understanding tools that are widely used to reconstruct the climate of the past.	
National Science Foundation	\$443,595
<u>Dynamics of the Descending Branch of the Atlantic Meridional Overturning Circulation</u>	
Julian P McCreary	Department of Oceanography
To understand the fundamental, 3-dimensional dynamics of the Atlantic Meridional Overturning Circulation's large-scale descending branch, including its dependence on horizontal and vertical mixing, buoyancy fluxes, winds, bottom topography and basin geometry, and southern-hemisphere forcing.	
National Science Foundation	\$228,676
<u>Collaborative Research: P2C2--Toward Improved Projections of the Climate Response to Anthropogenic Forcing: Combining Proxy and Instrumental Observations with an Earth System Model</u>	
Axel Timmermann	Department of Oceanography
To explore the possibility for future abrupt climate change using an Earth System Model of Intermediate Complexity.	
National Science Foundation	\$164,710
<u>Collaborative Research: Reconstructing Deep Sea Acidification During the Paleocene-Eocene Thermal Maximum</u>	
Richard E. Zeebe	Department of Oceanography
Investigate changes in past ocean chemistry in order to improve understanding and forecast of future changes.	
National Science Foundation	\$210,000
<u>Learning and Cognition in Honeybees</u>	
Patricia A Couvillon	Pacific Biosciences Research Center
This grant proposal is for behavioral experiments with honeybees focused on short-term memory, concept learning, and relational learning.	
National Science Foundation	\$421,886
<u>Ecological Diversity, Systematics, and Conservation of Hawaii's Endemic Hyposmocoma</u>	
Daniel Z Rubinoff	Department of Plant and Environmental Protection Sciences
A phylogenetic analysis of Hawaii's endemic aquatic and terrestrial Hyposmocoma moths based on both morphological and molecular data.	
National Science Foundation	\$233,789
<u>Concentration Gradients of Activator and Inhibitors of Cellular Differentiation in a Filamentous Cyanobacterium</u>	
Sean M Callahan	Department of Microbiology
Characterize the mechanism of pattern formation in a multicellular cyanobacterium.	

Gifts, Grants, and Contracts for June 2009

Research

National Science Foundation

National Science Foundation \$5,350

DISSERTATION RESEARCH: Austral Origins and Pacific Radiations: Tracing Transitions in the Biogeography, Morphology, and Ecology of the Asteliaceae (Asparagales)

Clifford W Morden Department of Botany

The evolutionary history of the flowering plant family Asteliaceae will be investigated based on phylogenetic and biogeographic analyses. Comparative analyses will be conducted to determine traits that are correlated with long-distance dispersal. This research extends current knowledge of the generation of biodiversity in island archipelagos.

National Science Foundation \$674,599

Collaborative Research: Pacific Research Center for Marine Biomedicine

Edward A Laws Department of Oceanography

The Pacific Research Center for Marine Biomedicine will continue its studies of the ways in which the ocean affects human health.

US Colleges and Universities

California Institute of Technology \$45,150

NEOWISE Part II - Pan-STARRS MOPS Consulting Proposal: Consulting Support for MOPS Software Integration into WSDS

Robert Jedicke Institute for Astronomy

The MOPS software engineer and manager will each provide consulting services on MOPS operations to the Infrared Processing and Analysis Center and Johns Hopkins University development teams.

California Institute of Technology \$20,284

WISE (Wide-field Infrared Survey Explorer) Solar System Object Identification (SSOID)

David J Tholen Institute for Astronomy

This project is intended to support the WISE spacecraft mission by providing a capability to identify known solar system objects in the WISE data stream.

California Irvine, University of \$92,100

A Multiplex Serodiagnostic Protein Microarray

Duane Gubler Dept of Trop Med, Medical Microbiology and Pharmacology

Pathogens leave a distinct signature of infection with their hosts as a unique antibody response. We develop an "antigen" protein-based microarray to probe host sera and tissue for past infection at an extremely high pathogen-specific resolution. This will provide an important tool for elucidating the true distribution of infectious agents.

Cincinnati, University of \$150,126

Food Intake and Obesity in Cloned Mice

Yukiko Yamazaki Dept Anatomy, Biochemistry, Physiology and Reproductive Biol

The major goal of this project is to examine the food intake and obesity in mice cloned from adult somatic cells.

Maryland, University of \$225,000

Alliance for Coastal Technology

Marlin J Atkinson Hawaii Institute of Marine Biology

Evaluate and test sensors for monitoring coastal environment.

Gifts, Grants, and Contracts for June 2009

Non-Research

DOD-Department of Defense

Defense, Dept - Natl Security Agency \$112,990

2009 STARTALK Chinese Immersion Sports Camp

Cynthia Y Ning Center for Chinese Studies

The University of Hawaii's Center for Chinese Studies (UH-CCS), in conjunction with its Confucius Institute (CI-UHM), will provide a three-week Chinese Immersion Sports Camp in July 2009 for middle and high school students focusing on Chinese language and cultural studies. The camp will enroll 30 students from Hawaii and across the US.

Defense, Dept - Natl Security Agency \$37,010

2009 STARTALK Chinese Teacher Training Institute

Cynthia Y Ning Center for Chinese Studies

The University of Hawaii's Center for Chinese Studies (UH-CCS), in conjunction with its Confucius Institute (CI-UHM), will provide a four-week Teacher Training Institute beginning on July 1, 2009. 15 participating teachers will be heavily involved in activities focusing on Teaching Chinese as a Foreign Language at K-12 levels.

ED-Dept of Education

Education, Dept - FED \$199,995

Preparing Distance Education Leaders in Evidence-Based Practices to Serve Multicultural Populations

Bryan Cook Department of Special Education

This project will train 6 Ph.D. in Education, Exceptionalities Specialization scholars with a focus on evidence-based practices, distance education, and multiculturalism. Trainees will receive financial support for four years.

Education, Dept - FED \$425,000

Culturally Responsive Response to Intervention Strategies

Robert A Stodden 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.

Education, Dept - FED \$500,000

Creating a Mobile High-Touch, High-Tech Learning Environment: A Program to Promote Academic & Psychosocial Engagement & to Increase Participation STEM

Gene I Awakuni Chancellor, University of Hawaii at 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.

Education, Dept - FED \$353,868

Students with Disabilities as Diverse Learners: Innovative Teaching Methods in Postsecondary Education

Robert A Stodden Center on Disability Studies

The ultimate goal of the proposed project is to improve faculty attitudes, knowledge, and practice, resulting in increased retention and completion of postsecondary education by students with disabilities.

Education, Dept - FED \$250,000

Windward Community College Upward Bound Program

Lisa C Gillis-Davis Chancellor, Windward Community College

Windward Upward Bound will provide opportunities for 50 low-income/first generation college potential public

Gifts, Grants, and Contracts for June 2009

Non-Research

ED-Dept of Education

school students to receive academic support, career guidance, college planning, and summer residential college experience.

Education, Dept - FED \$1,220,427

Liko A'e III: Native Hawaiian Scholarship Program

Clyde M Sakamoto Chancellor, Maui Community College

The Liko A'e III NATive Hawaiian Scholarship Program proposes to provide scholarship to Native Hawaiian Students here and in other US states pursiung higher education.

Education, Dept - FED \$500,000

Native Hawn Serving Institution 2010

Gail M Makuakane-Lundin Vice Chancellor for Student Affairs-UHH

Education, Dept - FED \$378,499

Maui County Upward Bound Program

Alvin R Tagomori Chancellor, Maui Community College

The Upward Bound Program affords Maui County secondary students who are economically disadvantaged and have a "high academic risk for failure" the opportunity to aquire the basic skills and information necessary for enrolling and succeeding in postsecondary educational programs.

Education, Dept - FED \$384,470

First Step to Success

Jean Lee Johnson 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.

Education, Dept - FED \$371,732

Pono School Climate Project

Kelly D Roberts 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.

Education, Dept - FED \$392,526

"I" in the IEP

Kelly D Roberts Center on Disability Studies

To improve outcomes for Native Hawaiian youth with disabilities through the development and testing of two interventions designed to equip educators, administrators and parents with necessary tools to support Native Hawaiian students with disabilities to engage within and benefit from the process of developing their own Individualized Education Plans (IEPs).

Gifts, Grants, and Contracts for June 2009

Non-Research

ED-Dept of Education

Education, Dept - FED \$408,866

Ka'imi loa o ka hihi Project: Math and Science WebQuests

Norma Jean Stodden 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.

Education, Dept - FED \$580,293

STEM Scholars Program: A Proposal to Grow, Extend, and Disseminate Native Hawaiian Excellence in STEM Education

Joshua Kaakua 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.

Federal Agencies

Commerce, Dept/NOAA - Natl Sea Grant College Prog \$50,000

Insular Pacific Regional Research, Information Planning and Coordination

E Gordon Grau Sea Grant College Program

Develop a regional research and information plan for the insular Pacific by utilizing UH Sea Grant's capabilities to facilitate discussions among the broad range of insular Pacific stakeholders to help identify and prioritize critical resource management problems and associated research and information needs necessary for practical solutions.

Labor, Dept - Employment & Training Admin-FED \$3,257,087

Remote Rural Hawaii Job Training and Educational Opportunities.

Clyde M Sakamoto Chancellor, Maui Community College

This project will provide vocational and educational training to residents of rural Hawaii utilizing the UH Community

Foreign

American Samoa, Govt of \$272,028

2008 SPED Cohort Programs

Robert A Stodden Center on Disability Studies

Provide a variety of services and activities related to the development and delivery of University of Hawaii special education course work specifically designed for special education teachers to obtain their B.Ed in elementary education with a certification in special education.

American Samoa, Govt of \$32,240

Early Childhood Endorsement Education Project - 2008

Jamie Simpson-Steele College of Education

To provide courses which lead toward Early Childhood endorsement through the bachelor of education degree via the Territorial Teacher Training Assistance Project in American Samoa.

Elsevier Science Ltd. \$20,800

International Journal FY 2003

Dan Landis Psychology-UHH

Gifts, Grants, and Contracts for June 2009

Non-Research

Foreign

<p>Federated States of Micronesia</p> <p><u>Pacific Regional Comprehensive Cancer Control Implementation Program (Subcontract from FSM DOH)</u></p> <p>Lee Buenconsejo-Lum Department of Family Medicine and Community Health</p> <p>Implement the Pacific Regional Comprehensive Cancer Control Program in conjunction with the USAPI jurisdictions; develop a shared cancer resource for use by the jurisdictions; conduct relevant training for health providers; build capacity and policies relevant to cancer control.</p>	<p>\$90,000</p>
<p>High Energy Accelerator Research Orgn (KEK)</p> <p><u>JFY 2009 US Japan Program for Cooperation in High energy Physics for the High Luminosity R&D</u></p> <p>Gary S Varner Department of Physics and Astronomy</p> <p>Fabrication of a high speed STURM II chip from MOSIS to be used in the accelerator beam diagnostics at the accelerator at KEK, Tsukuba, Japan.</p>	<p>\$35,901</p>
<p>International Union of Nutritional Sciences</p> <p><u>Financial Duties for the International Union of Nutritional Sciences (IUNS)</u></p> <p>Laurence N Kolonel Cancer Research Center</p> <p>Send annual dues notices to approximately 80 countries that are Adhering Bodies (ABs) of IUNS; Receive & deposit dues from ABs and sent receipts; Communicate as needed with ABs regarding overdue dues; Disperse funds as directed by Treasurer (Dr. S. Murphy); Maintain accurate financial records for UINS & provide a final report of expenditures.</p>	<p>\$3,740</p>
<p>Korea Foundation</p> <p><u>2009 Annual Workshop of the World Consortium of Korean Studies Centers</u></p> <p>Ho-Min Sohn Department of East Asian Languages and Literatures</p> <p>Grant will pay for participant's travel, accommodations, meals and miscellaneous expenses for the 5th annual workshop of the World Consortium of Korean Studies Centers in June 2009.</p>	<p>\$35,000</p>
<p>Okinawa Prefectural Government</p> <p><u>Okinawa Postgraduate Medical Education Program</u></p> <p>Satoru Izutsu John A. Burns School of Medicine</p> <p>To provide an "American Style" medical residency training program at Okinawa Chubu Hospital for graduates from Japanese medical schools.</p>	<p>\$883,578</p>

Hawaii- Business and Other

<p>Kamehameha Schools</p> <p><u>Archaeological Collections Inventory</u></p> <p>Peter Mills Social Sciences-UHH - Division Office</p> <p>Provide archaeological data collection services to Kamehameha Schools</p>	<p>\$12,565</p>
<p>Olelo Community Television</p> <p><u>Hawaii Educational Networking Consortium (HENC)</u></p> <p>David K Lassner Information Technology Services</p> <p>To provide oversight of the two educational access cable television channels (channel 55 and 56) provided for accredited education on Oahu.</p>	<p>\$20,000</p>

Gifts, Grants, and Contracts for June 2009

Non-Research

Hawaii- Government Agencies

Hawaii Health Systems Corp.	\$19,965
<u>Hawaii Rural Interdisciplinary Training Demo Project</u>	
Katharyn Daub	Chancellor, University of Hawaii at Hilo-UHH
UHH Nursing students learn collaborative care, nursing leadership and management as well as focused assessments across the lifespan	
Health, Dept - Council on Devlpmntl Disabilities-HI	\$24,840
<u>State Council on Developmental Disabilities Project</u>	
Jean Lee Johnson	Center on Disability Studies
State Council on Developmental Disabilities project will coordinate self-advocacy network activities, gather information to develop education and training materials for advocacy and leadership development, and provide coordination on outreach and leadership training and educational events for SAAC.	
Health, Dept - HI	\$164,951
<u>Hawaii School Health Surveys</u>	
Susan M Saka	Curriculum Research and Development Group
In cooperation with the Hawaii School Health Surveys Committee composed of representatives from the Departments of Education and Health and University of Hawaii, coordinate the administration of the health surveys, administer the 2007 Youth Risk Behavior Surveys (YRBS) and Youth Tobacco Surveys, and prepare reports of the YRBS results.	
Health, Dept - HI	\$1,382,864
<u>Hawaii Health Data Warehouse</u>	
Jason E. Maddock	Cancer Research Center
Maintain the operation of the HHDW with the addition of new licenses, data sets, hardware (Servers), new reports and expand technical training. Enhance the functionality of the warehouse and website.	
Health, Dept - HI	\$1,600,000
<u>Hawaii Medicare Rural Hospital Flexibility Program</u>	
Norman H Okamura	Social Science Research Institute
Implement the open source version of the VistA Electronic Health Record system for two Critical Access Hospitals and four clinics that are part of the Hawaii Health System Corporation Kauai Region Network.	
Health, Dept - HI	\$3,105
<u>Kick Butts Day 2/27/09 (REAL: Hawaii Youth Movement Against Tobacco Use)</u>	
Alana D Steffen	Cancer Research Center
Kick Butts Day on 2/27/09, REAL observes this day by providing youth with advocacy training for tobacco control along with an opportunity to meet with their state legislators in order to promote youth involvement in tobacco control.	
Human Services, Dept - HI	\$26,400
<u>Vocational Skills Instruction for First-to-Work Participants</u>	
Carol A Hoshiko	Chancellor, Kapiolani Community College
Provide continuing education instruction for eligible First-to-Work, Department of Human Services students in existing classes noted under previous agreement.	

Gifts, Grants, and Contracts for June 2009

Non-Research

Hawaii- Government Agencies

Human Services, Dept - HI	\$450,910
<u>Learning to Grow 2008-2009</u>	
Grace Fong	Department of 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.	
Human Services, Dept - HI	\$179,124
<u>Adult Basic Education and Vocational Instruction</u>	
Michael H Pecsok	Chancellor, Leeward Community College
Delivery of Adult Basic Education courses & Vocational Instruction tuitions.	
Human Services, Dept - HI	\$517,022
<u>Memorandum of Agreement Relating to Quality Care for Home-Based and Center-Based Child Care Providers</u>	
Sylvia H L Yuen	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.	
Human Services, Dept - HI	\$616,637
<u>DHS Task Order 5: Hawai'i Child Welfare Continuous Quality Improvement Project</u>	
Lee Stein	Chancellor, Maui Community College
Maui Community college assists the Hawai'i Department of Human Services with enhancing the skills of casework staff and the development and implementation of a comprehensive quality assurance system for child welfare services. Funded by federal reimbursements earned under Title IV-E of the Social Security Act.	
Human Services, Dept - HI	\$10,321
<u>Child Welfare Training</u>	
Meripa T. Godinet	School of Social Work
To train social workers, administrators, and social work students to meet key competency areas in child and family social work practice. In addition, to evaluate and research child welfare issues and practice with focus on cultural competence.	
Human Services, Dept - Ofc of Youth Svcs-HI	\$165,000
<u>Office of Youth Services, State of Hawaii, Hawaii Youth Correctional Facilities</u>	
Raul C Rudoy	Department of Pediatrics
Services provided to the Hawaii Youth Correctional Facility by the Dept. of Pediatrics in teaching residents.	

Hawaii- Health Organizations

Kalihi-Palama Health Center	\$31,963
<u>Reimbursement Agreement - FY2010, Agreement No. SF10-KPHC-OBGYN</u>	
Lynnae K Millar	Department of Obstetrics, Gynecology, and Women's Health
Agreement to provide physician and physician related services for FY 2010	

Gifts, Grants, and Contracts for June 2009

Non-Research

Hawaii- Health Organizations

<p>Queen's Medical Center <u>Reimbursement Agreement - FY2010, Agreement No. SF10-QMC-SURG-URO</u> Danny M Takanishi Department of Surgery Agreement to provide physician and physician related services for FY2010.</p>	<p>\$95,074</p>
<p>Queen's Medical Center <u>Reimbursement Agreement - FY2010, Agreement No. SF10-QEC-QELC-MED</u> Elizabeth K Tam Department of Medicine Agreement to provide physician and physician related services for FY2010</p>	<p>\$519,492</p>
<p>Queen's Medical Center <u>Reimbursement Agreement - FY2010, Agreement No. SF10-QMC-SURG</u> Danny M Takanishi Department of Surgery Agreement to provide physician and physician related services for FY2010.</p>	<p>\$629,280</p>
<p>Queen's Medical Center <u>Reimbursement Agreement - FY2010, Agreement No. SF10-QMC-SURG-ORTHO</u> Danny M Takanishi Department of Surgery Agreement to provide physician and physician related services for FY2010.</p>	<p>\$426,983</p>
<p>Rehabilitation Hospital of the Pacific <u>Reimbursement Agreement - FY2010, Agreement No. SF10-REHAB-MED</u> Elizabeth K Tam Department of Medicine Agreement to provide physician and physician related services for FY2010</p>	<p>\$17,285</p>
<p>Straub Clinic & Hospital <u>Reimbursement Agreement - FY2010, Agreement No. SF10-STRAUB-SURG</u> Danny M Takanishi Department of Surgery Agreement to provide physician and physician related services for FY 2010</p>	<p>\$61,554</p>
<p>Waianae Coast Comprehensive Health Ctr <u>Native Hawaiian Training: Pre-Health and Health Information Tech - Waianae Health Academy - Ola Loa Ka Naauao</u> Michael Tagawa Chancellor, Leeward Community College Provide Health Info Tech and pre-health (English and math) courses to native Hawaiians incorporating Native Hawaiian learning styles.</p>	<p>\$75,658</p>

Hawaii- Non-Profit Organizations

<p>Hawaii County Econ Opportunity Council <u>Hawaii County Economic Opportunity Council Renewable Energy Project</u> Joni Onishi Chancellor, Hawaii Community College Establish a training program that will contribute to building an infrastructure of skilled workers for employment in renewable energy industries.</p>	<p>\$75,000</p>
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Gifts, Grants, and Contracts for June 2009

Non-Research

Hawaii- Non-Profit Organizations

Hawaii Primary Care Association	\$106,845
<u>Hawaii Primary Care Cessation Network</u>	
Hye-Ryeon Lee	Cancer Research Center
This project seeks to create a primary care cessation network to promote the use of evidence-based approaches to tobacco cessation in all of Hawaii's 13 Federally Qualified Health Centers (FQHCs). The project will be carried out in collaboration with the National Cancer Institute's Cancer Information Service, Pacific Region.	
Hawaii Primary Care Association	\$15,005
<u>Agreement Between the University of Hawaii and Hawaii Primary Care Association</u>	
Alice M Tse	Department of Nursing
Design and implementation of an evaluation plan for the health information technology collaborative entitled Holomua.	
Pacific Marine Life Foundation	\$10,000
<u>Malama Maunalua: Restoration Through Education and Outreach</u>	
E Gordon Grau	Sea Grant College Program
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.	
University of Hawaii Foundation	\$10,644
<u>East Asian Buddhism Professorship</u>	
Mary Elizabeth Tiles	Department of Philosophy
To pay for salary and fringe benefits to hire the East Asian Buddhist Professor as a lecturer in the Philosophy Dept./College of Arts & Humanities.	
University of Hawaii Foundation	\$15,871
<u>General Laborer II</u>	
David S Tamanaha	Chancellor, Maui Community College
UHF MCC Development Funds to support 33% of the MCC General Laborer position (900184). This position to support campus beautification and preventative maintenance projects, campus-wide.	
University of Hawaii Foundation	\$26,000
<u>P-20 Educational Outcomes</u>	
Linda K Johnsrud	Vice President for Academic Planning and Policy
To pay for salary and fringe cost for Hawaii P-20 staff to implement the Hawaii P-20 Initiative Strategic Plan.	
University of Hawaii Foundation	\$1,000
<u>Philosophy in the Schools Educational Specialists</u>	
Thomas E Jackson	Department of Philosophy
Educational Specialists to assist classroom teachers in philosophical discussions with students; help prepare classroom lessons; maintain research journals.	
University of Hawaii Foundation	\$20,219
<u>Luce Foundation East Asian Archeology and Early History Initiative</u>	
Miriam T Stark	Department of Anthropology
This agreement between UHF [via Luce Foundation] and UH shall be initiated from UHF Account #125-0030-4 to	

Gifts, Grants, and Contracts for June 2009

Non-Research

Mainland- Non-Profit Organizations

Community Colleges for International Development, Inc. \$260,756

CCID - Egypt Grant

James Goodman Chancellor, Leeward Community College

LCC will receive funding to support a cohort size of 8 students from Egypt to attend LCC, take English courses in the English Language Institute if needed and take credit courses to achieve certificates in the area of studies chosen by the student. three students will take digital media courses, three will take business and two TV Pro.

Las Cumbres Observatory Global Telescope Network Inc \$25,000

Pan-STARRS 1 Science Consortium-Las Cumbres Observatory

Kenneth C Chambers Institute for Astronomy

Las Cumbres Observatory Global Telescope Network, Inc. (LCOGT), will be contributing funds towards the purchase of equipment for the Pan-STARRS Science Consortium and IfA on Haleakala, Maui.

National 4-H Council \$50,000

Get Moving for Health

Gary Heusel Department of Family and Consumer Sciences

Health leadership teams will be trained to involve others in this program designed to increase individual physical activity during a six week period and change exercise habits for life. The activities will be conducted in Hawaiian communities by adult/youth teams including two to ten individuals/team.

National Science Foundation

National Science Foundation \$121,500

Graduate Research Fellowship Program

Peter V Garrod Graduate and Professional Education

To provide graduate students the opportunity to further their education by funding their research projects.

US Colleges and Universities

Kansas State University \$80,000

Operation Military Kids

Claire M Nakatsuka College of Tropical Agriculture and Human Resources

Supplemental funds specifically for camp activities for military families affected by deployment.

Rutgers, State University of New Jersey \$50,000

Development of PXRD Method

Kenneth Morris College of Pharmacy-UHH

Develop an integrated mechanical stressing device with a powder x-ray diffractometer to quantify the strain experienced by crystals under controlled nano-stress

Subcount:	97	Subtotal:	\$25,155,258
Count:	<u>216</u>	Total:	<u>\$54,541,058</u>

Funds Received from UH Foundation for 06/01/2009 - 06/30/2009

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$1,000
"Philosophy in the Schools Educational Specialists"	
Jackson, Thomas E	Department of Philosophy
Educational Specialists to assist classroom teachers in philosophical discussions with students; help prepare classroom lessons; maintain research journals.	
University of Hawaii Foundation	\$26,000
"P-20 Educational Outcomes"	
Johnsrud, Linda K	Vice President for Academic Planning and Policy
To pay for salary and fringe cost for Hawaii P-20 staff to implement the Hawaii P-20 Initiative Strategic Plan.	
University of Hawaii Foundation	\$77,748
"Kellogg P-3 Expenditures"	
Johnsrud, Linda K	Vice President for Academic Planning and Policy
To pay for P-20 Administrative salary and fringe charges.	
University of Hawaii Foundation	\$22,069
"ADRC S&F Agreement"	
Masaki, Kamal H	Department of Geriatric Medicine
Salary and Fringe Benefit Expenses for Alzheimer's Disease Referral Clinic (ADRC) Services.	
University of Hawaii Foundation	\$44,140
"Leahi Outpatient Geriatric Clinic S&F Account"	
Masaki, Kamal H	Department of Geriatric Medicine
S&F agreement for Leahi Outpatient Geriatric Clinic to cover a portion of Oleksandr Pishchalenko's time.	
University of Hawaii Foundation	\$5,700
"Le'a Publication Series"	
Matsuoka, Jon K	School of Social Work
To hire editors for the Le'a Publication Series to oversee the publication of a book and journal series.	
University of Hawaii Foundation	\$10,000
"Kapiolani Community College Activities"	
Richards, Leon	Chancellor, Kapiolani Community College
Agreement to allow the University to make payments to individuals utilizing the UHF funds.	
University of Hawaii Foundation	\$20,219
"Luce Foundation East Asian Archeology and Early History Initiative"	
Stark, Miriam T	Department of Anthropology
This agreement between UHF [via Luce Foundation] and UH shall be initiated from UHF Account #125-0030-4 to accommodate salary and fringe benefit expenses for UH employees, Tianlong Jiao, (Assistant Professor 0.25 FTE Asian Archeologist) and Christian Peterson, (Assistant Professor 1.00 FTE Asian Archaeologist).	

Funds Received from UH Foundation for 06/01/2009 - 06/30/2009

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$2,000
"Manoa Journal"	
Stewart, R F	Department of English
Funds for staff salaries and wages.	
University of Hawaii Foundation	\$15,871
"General Laborer II"	
Tamanaha, David S	Chancellor, Maui Community College
UHF MCC Development Funds to support 33% of the MCC General Laborer position (900184). This position to support	
University of Hawaii Foundation	\$23,500
"Financial Engineering Course"	
Teramura, Alan H	College of Natural Sciences
To cover the salary for Tom Ramsey, Professor, College of Natural Sciences for teaching "Partial Differential Equations and Stochastic Calculus" in the Master of Financial Engineering Program for the Fall 2009 semester.	
University of Hawaii Foundation	\$10,644
"East Asian Buddhism Professorship"	
Tiles, Mary Elizabeth	Department of Philosophy
To pay for salary and fringe benefits to hire the East Asian Buddhist Professor as a lecturer in the Philosophy	

Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$19,600
"CRCH Traineeship"	
Carbone, Michele	Cancer Research Center
Support of CRCH activity: 2008 Meiji Yasuda summer research fellowships.	
University of Hawaii Foundation	\$57,000
"Philosophy for Children Research Associate"	
Jackson, Thomas E	Department of Philosophy
The Philosophy for Children Research Associate will gather data and conduct research on the effectiveness of a proposed "Philosopher in Residence" initiative at two public schools in Hawaii.	
University of Hawaii Foundation	\$8,700
"Design of a Continuous Flow Microwave Pasteurizer"	
Jun, Soojin	Department of Human Nutrition, Food and Animal Sciences
Develop a pilot scale continuous flow microwave pasteurizer intensified with lethal wave functions. Dr. Jun will spend his one summer month to complete the system design and optimization in terms of food quality and safety.	
Count:	<u>15</u>
Total:	<u>\$344,191</u>

**Extramural Research Awards
for the Month of
June 2009
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	3	\$446,714	1.52%
DHHS-Dept of Health and Human Services	14	\$10,795,135	36.74%
DOC-Dept of Commerce	3	\$445,653	1.52%
DOD-Department of Defense	1	\$50,000	0.17%
Federal Agencies	1	\$2,100,000	7.15%
Foreign	2	\$2,269,890	7.72%
Hawaii- Business and Other	3	\$69,388	0.24%
Hawaii- Government Agencies	19	\$5,037,118	17.14%
Hawaii- Health Organizations	1	\$52,246	0.18%
Hawaii- Non-Profit Organizations	10	\$339,350	1.15%
Mainland- Business and Other	18	\$1,349,956	4.59%
Mainland- Non-Profit Organizations	2	\$98,148	0.33%
National Aeronautics and Space Administration	14	\$1,598,156	5.44%
National Science Foundation	15	\$3,602,469	12.26%
US Colleges and Universities	13	\$1,131,577	3.85%
Total:	<u>119</u>	<u>\$29,385,800</u>	<u>100%</u>

**Extramural Non-Research Awards
for the Month of
June 2009
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DHHS-Dept of Health and Human Services	3	\$1,103,671	4.39%
DOC-Dept of Commerce	2	\$518,798	2.06%
DOD-Department of Defense	2	\$150,000	0.60%
ED-Dept of Education	13	\$5,965,676	23.72%
Federal Agencies	2	\$3,307,087	13.15%
Foreign	8	\$1,373,287	5.46%
Hawaii- Business and Other	4	\$645,399	2.57%
Hawaii- Government Agencies	18	\$6,101,253	24.25%
Hawaii- Health Organizations	16	\$4,831,919	19.21%
Hawaii- Non-Profit Organizations	16	\$465,741	1.85%
Mainland- Business and Other	6	\$75,171	0.30%
Mainland- Health Organizations	1	\$30,000	0.12%
Mainland- Non-Profit Organizations	3	\$335,756	1.33%
National Science Foundation	1	\$121,500	0.48%
US Colleges and Universities	2	\$130,000	0.52%
Total:	<u>97</u>	<u>\$25,155,258</u>	<u>100%</u>

**Extramural Research Awards
Year to Date: 07/01/08 - 06/30/09
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	65	\$7,060,665	2.87%
DHHS-Dept of Health and Human Services	105	\$57,838,942	23.48%
DOC-Dept of Commerce	60	\$22,445,665	9.11%
DOD-Department of Defense	83	\$39,060,086	15.86%
DOE-Dept of Energy	18	\$8,972,892	3.64%
DOI-Dept of Interior	41	\$3,137,931	1.27%
ED-Dept of Education	1	\$250,000	0.10%
Federal Agencies	4	\$4,117,601	1.67%
Foreign	19	\$6,049,559	2.46%
Hawaii- Business and Other	43	\$4,942,145	2.01%
Hawaii- Government Agencies	158	\$22,159,181	9.00%
Hawaii- Health Organizations	29	\$1,710,594	0.69%
Hawaii- Non-Profit Organizations	63	\$2,975,283	1.21%
Mainland- Business and Other	119	\$13,536,505	5.50%
Mainland- Health Organizations	19	\$538,719	0.22%
Mainland- Non-Profit Organizations	37	\$2,831,063	1.15%
Miscellaneous	2	\$102,891	0.04%
National Aeronautics and Space Administration	84	\$17,097,802	6.94%
National Science Foundation	111	\$24,340,713	9.88%
US Colleges and Universities	94	\$7,172,581	2.91%
Total:	<u>1145</u>	<u>\$246,340,818</u>	<u>100%</u>

**Extramural Non-Research Awards
Year to Date: 07/01/08 - 06/30/09
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	15	\$4,639,254	2.77%
DHHS-Dept of Health and Human Services	37	\$8,963,475	5.35%
DOC-Dept of Commerce	13	\$2,019,313	1.21%
DOD-Department of Defense	22	\$13,624,148	8.14%
DOI-Dept of Interior	30	\$1,757,316	1.05%
ED-Dept of Education	95	\$39,135,114	23.37%
Federal Agencies	26	\$9,748,335	5.82%
Foreign	39	\$6,786,415	4.05%
Hawaii- Business and Other	60	\$8,630,359	5.15%
Hawaii- Government Agencies	205	\$33,305,648	19.89%
Hawaii- Health Organizations	58	\$12,640,819	7.55%
Hawaii- Non-Profit Organizations	112	\$6,134,666	3.66%
Mainland- Business and Other	26	\$1,009,423	0.60%
Mainland- Health Organizations	5	\$91,544	0.05%
Mainland- Non-Profit Organizations	30	\$3,930,594	2.35%
National Aeronautics and Space Administration	9	\$2,910,005	1.74%
National Science Foundation	22	\$8,684,254	5.19%
US Colleges and Universities	40	\$3,426,344	2.05%
Total:	<u>844</u>	<u>\$167,437,026</u>	<u>100%</u>