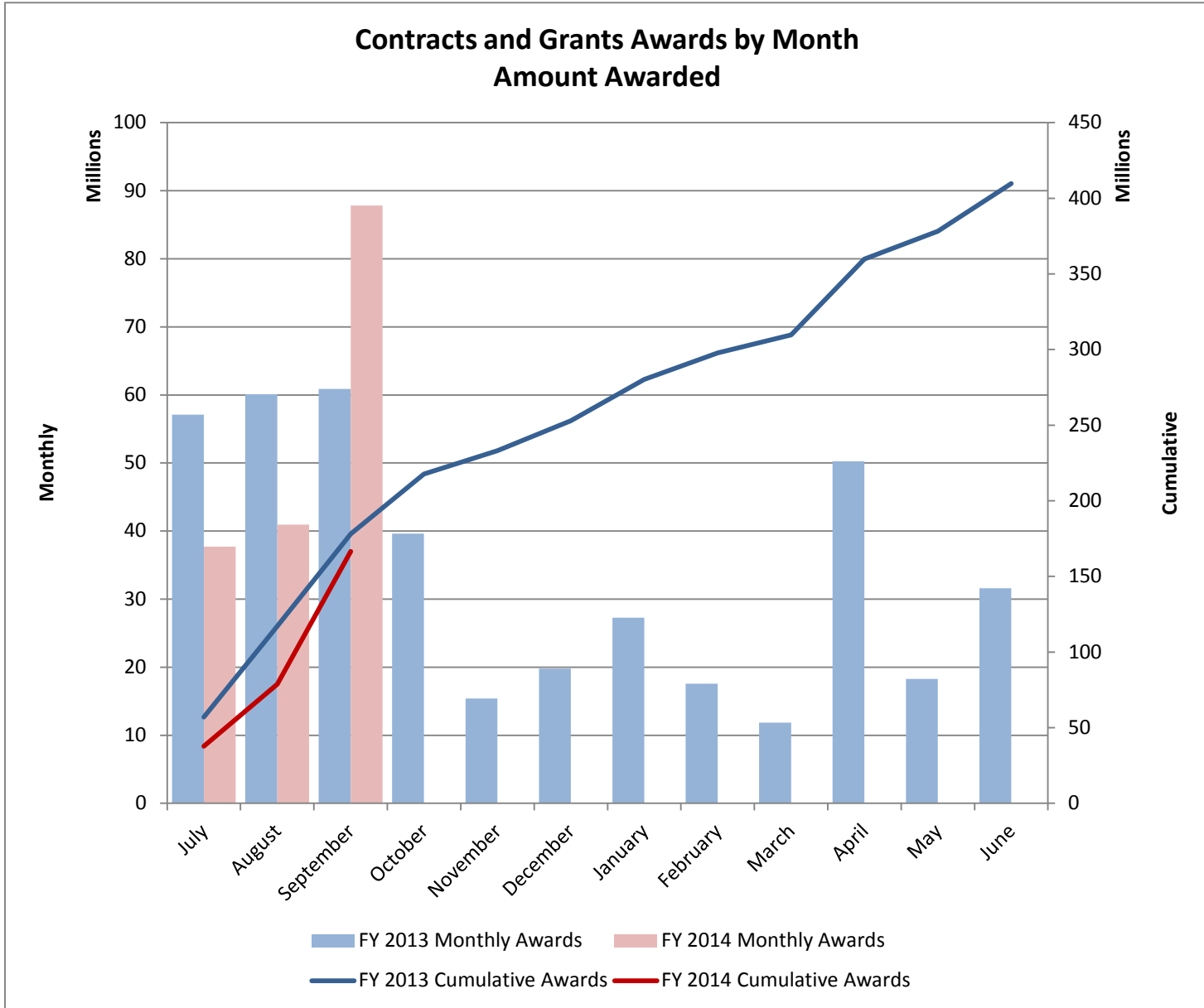
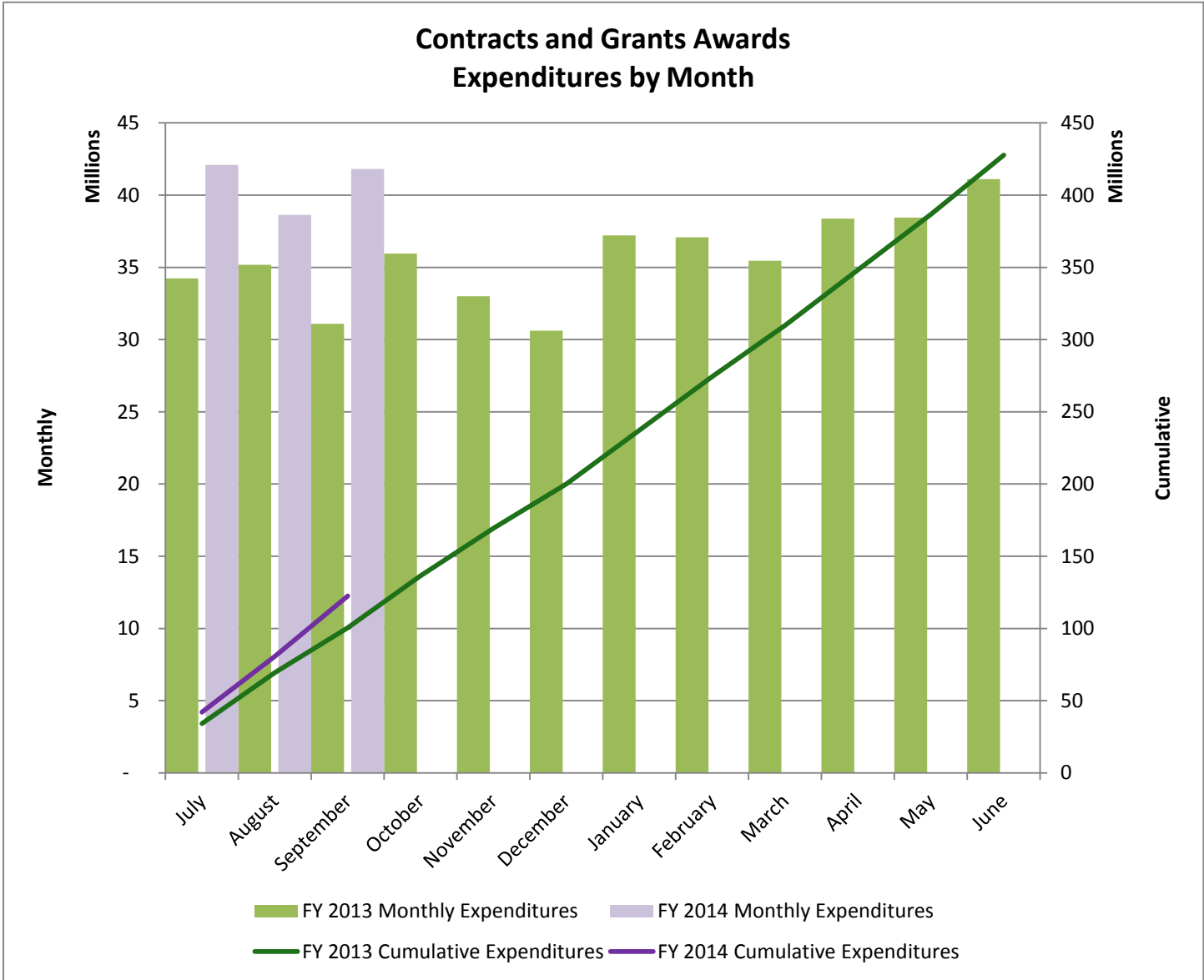


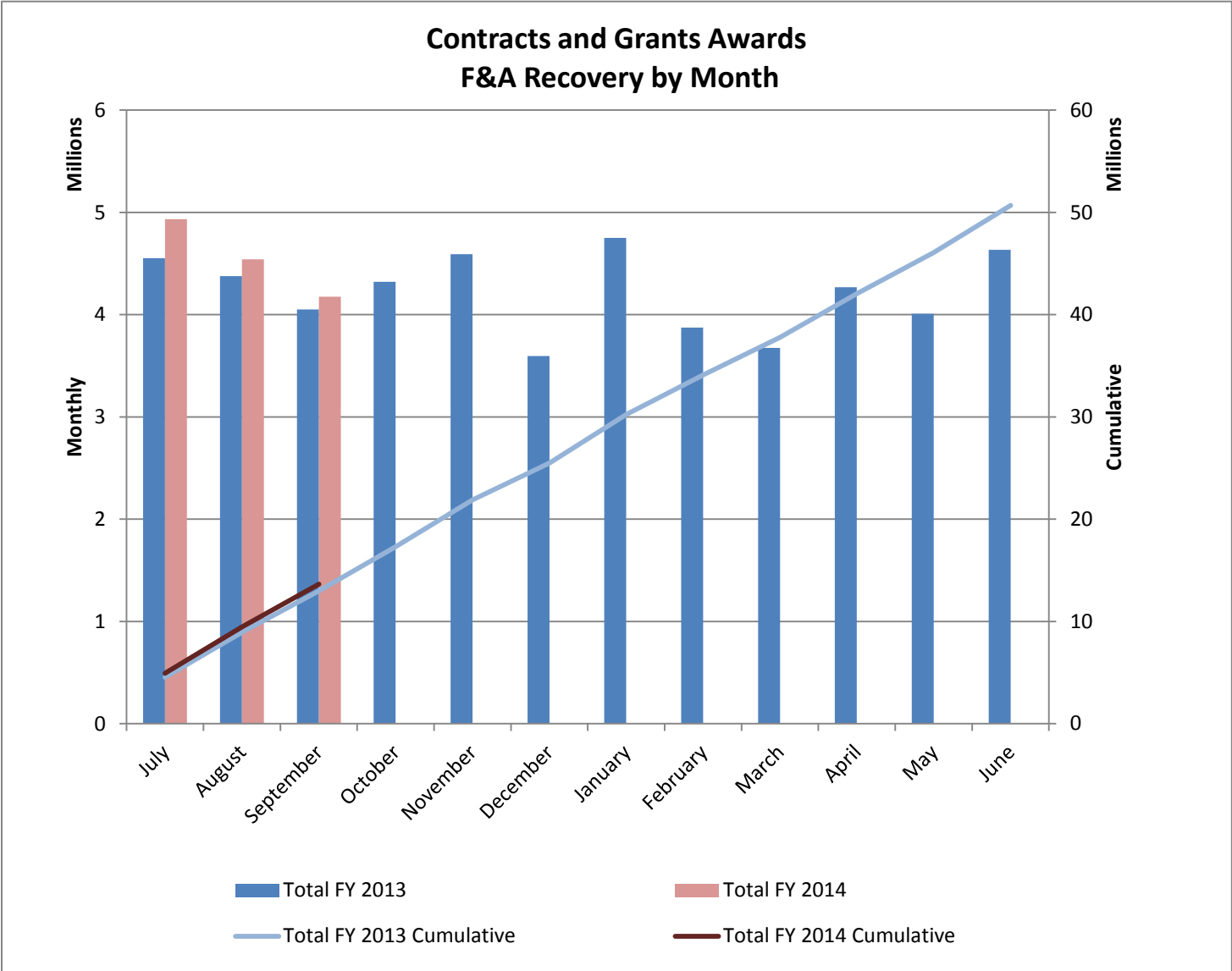
Contracts and Grants Awards  
As of September 30, 2013



Contracts and Grants Awards - Expenditures  
As of September 30, 2013



Contracts and Grants Awards - F&A Recovery  
As of September 30, 2013



## Extramural Sponsor Awards Monthly Summary

<u>Program Type</u>	Sep 30, 2013		Sep 30, 2012	
	<u>Count</u>	<u>Amount</u>	<u>Count</u>	<u>Amount</u>
Non-Research	81	\$36,936,999	98	\$39,296,990
Research	144	\$52,157,782	114	\$23,010,531
<b><u>Total</u></b>	<b><u>225</u></b>	<b><u>\$89,094,781</u></b>	<b><u>212</u></b>	<b><u>\$62,307,521</u></b>

Note: The detailed award listing is available at:

<http://www.ors.hawaii.edu/index.php/bor-reports>

The FY 2013 year-to-date total was: \$178,070,313

The unofficial FY 2014 year-to-date total is: \$166,466,641

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Research

DA-Dept of Agriculture

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Daniel Rubinoff	Plant and Environmental Protection Sciences	Development of Diagnostic Resources to Support Fruit Fly Exclusion and Eradication	This Work Plan reflects a cooperative relationship between the University of Hawaii Manoa and the United States Department of Agriculture (USDA) Agricultural Research Service (ARS) Pacific Basin Agricultural Research Center (PBARC) (the Cooperators). It outlines the mission-related goals, objectives, and anticipated accomplishments as well as the approach for conducting research to develop and implement biological and molecular tools for the identification of pest fruit fly species, and the related roles and responsibilities of the parties [e.g., mutual roles, Cooperator role(s)] as negotiated.	1	300,000
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Jack Grace	College of Tropical Agriculture and Human Resources	Regionally Grown Feedstock		1	123,653
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Jack Kenneth Grace	College of Tropical Agriculture and Human Resources	Adding Value and Controlling Pests and Diseases of Papaya	Develop and evaluate non-toxic, preferably biological-based, environmentally suitable technologies and processes for pest and disease control on papaya.	1	186,405
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Jack Kenneth Grace	College of Tropical Agriculture and Human Resources	Control of Minor Crop Pests and Diseases	The project approach is to address the development of economical and environmentally friendly pest management strategies for Hawaii's crops. Utilize traditional breeding techniques and genetic engineering to develop cultivars, including flowers and nursery plants that are resistant to pests, or exhibit improved novelty, production or quality.	1	177,040
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Jack Kenneth Grace	College of Tropical Agriculture and Human Resources	Detection and Mitigation of Invasive Plant Viruses	Develop and evaluate multidisciplinary biologically-based pest management technologies to reduce the impact of newly discovered or existing invasive plant viruses in Hawaii. Conduct research and outreach activities to minimize the impact of invasive viruses on Hawaii's agriculture.	1	47,199

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Jack Kenneth Grace	College of Tropical Agriculture and Human Resources	Environmental Effects of Tephritid Fruit Fly Control and Management	The objective of this agreement is to develop, evaluate and transfer non-toxic, environmentally suitable and publicly acceptable technologies and processes for fruit fly pest management in order to enhance the production and interstate and international movement of Hawaiian agricultural commodities.	1	143,515
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Kelvin Sewake	Plant and Environmental Protection Sciences	Areawide Mitigation and Management for Coffee Berry Borer		1	949,367
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Susan Crow	Natural Resources and Environmental Mgt	Parameterization of Two Simulation models (ALMANAC and SWAT) in Hawaii with Subsequent Parallelization of the SWAT Model		1	290,000
AGRICULTURE, DEPT-FED	Koon-hui Wang	Plant and Environmental Protection Sciences	Non-Chemical Based IPM Plans against Insect Pests in Aquaponic Vegetable and Wetland Taro Agroecosystems		2	94,959
AGRICULTURE, DEPT-FED	Mark Wright	Plant and Environmental Protection Sciences	Development of irradiation treatments for high-impact invasive species and evaluation of commodity tolerance to irradiation treatments		1	35,000
AGRICULTURE, DEPT-FED	Russell Nagata	Hawaii County	Acquisition of Goods and Services	The University of Hawaii at Manoa, College of Tropical Agriculture and Human Resources and the USDA/ARS Pacific Basin Agricultural Research Center wish to enter into an agreement for the purpose of conducting research at the Waiakea Experiment Station on Hawaii Island. Grant funds are to be used to cover direct cost of goods and services and indirect cost so research experiments can be conducted.	1	5,642
AGRICULTURE, DEPT-NATL INS FOOD AND AGRICULTURE	Paul Krushelnycky	Plant and Environmental Protection Sciences	Assessment of <i>Secusio extensa</i> for the Biological Control of Fireweed ( <i>Senecio madagascariensis</i> ) in Hawaii		1	21,303

### Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-NATL INS FOOD AND AGRICULTURE	Rachel Novotny	College of Tropical Agriculture and Human Resources	Children's Healthy Living Program for Remote Underserved Minority Populations in the Pacific Region	The project aims to train a public health nutrition work force, conduct public health nutrition research, communicate nutrition- & Health-related information, develop nutritional monitoring & surveillance systems & incur environmental policy change to promote active play & intake of healthy food to prevent young child obesity in the Pacific Region.	1	4,999,908
AGRICULTURE, DEPT, FOREST SVC-FED	Creighton Litton	Natural Resources and Environmental Mgt	Assessing the capacity of a new remote sensing tool to monitor fire risk on Hawai'i island	The goal of the research is to refine the ability to predict fire danger in ecosystems where invasions by non-indigenous species have introduced an unnatural fire regime into endangered dry forest ecosystems.	1	25,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-HLTH CARE RES & QUALITY	Tetine Sentell	Office of Public Health Studies	Hospital Quality Reports for Expectant Mothers: Considering Race and Language	This study will improve the science of consumer reporting of public hospital quality information by describing how individuals from diverse racial/ethnic groups and those with limited English proficiency use maternity- focused hospital quality information, what they value and understand from existing public reports on this topic, and whether additional information or presentation features might encourage higher use. We will use this information to design and test a personalized, consumer-focused website with the goal of improving the use of public hospital quality reports for pregnant women across diverse racial/ethnic and linguistic groups.	1	316,741
HEALTH & HUMAN SVC, DEPT-NIH-FED	Victor Andrew Stenger	Department of Medicine	Parallel MRI for High Field Neuroimaging		1	412,860
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Brenda Hernandez	Cancer Etiology	SEER Patterns of Care/Quality of Care - Diagnosis Year 2012	The Patterns of Care/Quality of Care Study - Diagnosis Year 2012 will investigate state-of- the-art therapies for patients with breast, liver, and leukemia cancers.	1	39,102

### Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Carl-Wilhelm Vogel	Social and Behavioral Sciences	University of Guam/Cancer Research Center of Hawaii Partnership	Cancer research, training, education and outreach in partnership with the University of Guam.	1	421,634
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Herbert Yu	Cancer Etiology	Epidemiologic Study of Hepatocellular Carcinoma in the US	This project will investigate the causes of hepatocellular carcinoma (HCC) among Americans and find the reasons responsible for the rise of HCC incidence in the US. The study plan to enroll 1,250 incident HCC cases and 2,500 population controls in the states of Connecticut and New Jersey.	1	276,373
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Loic Le Marchand	Cancer Etiology	Understanding Ethnic Differences in Cancer: The Multiethnic Cohort Study	This grant supports a variety of activities related to the maintenance and enhancement of the infrastructure for the Multiethnic Cohort. These activities include mailing of questionnaires, maintenance of the biorepository, collection of additional specimens, follow-up of the participants for disease occurrence, and others.	1	3,622,463
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Michele Carbone	University of Hawaii Cancer Center	University of Hawaii Cancer Center CCSG	The UH Cancer Center's goal is to continue to lower cancer incidence and improve the care of cancer patients in Hawaii and elsewhere by attempting to understand reasons for the remarkable ethnic-related cancer associations found in the region.	1	1,063,659
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Michele Carbone	University of Hawaii Cancer Center	University of Hawaii Cancer Center CCSG CURE Supplement	The purpose of the P30 CURE Supplement is to engage the scientific curiosity and promote the potential cancer research careers of promising young high school and undergraduate students.	1	71,639
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CTR FOR RSCH RES	Eric Holmes	Vice Chancellor, Research	INBRE II: Hawaii Statewide Research and Education Partnership (HSREP)	Provide improved secondary education and biomedical research opportunities for the citizens of Hawaii at every level from community colleges through the state's medical school.	2	3,945,653



### Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CTR FOR RSCH RES	Marla Berry	Department of Cell and Molecular Biology	Bioscience Research Infrastructure Development for Grant Enhancement and Success	The overall objectives of the RCMI Program at UHM are to create and strengthen expertise, education, training, and infrastructure for biomedical and behavioral research that promises to improve the diagnosis, prevention, and treatment of diseases, especially those associated with health disparities in minority populations in Hawaii.	1	2,440,151
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST GEN MED SCI	Tung Hoang	Department of Microbiology	Functional Genomics of Single-and Mixed-Species Biofilms in Spatiotemporal Scales	This application looks to into the host-associated microbial communities using biofilms as models.	1	266,000
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST ON AGING	Philip Williams	Department of Chemistry	Capture the Inhibitor: Affinity Approaches to the Discovery of Secretase Leads	Marine Alzheimer's drug discovery	1	12,610

#### DOC-Dept of Commerce

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	John Sibert	Joint Institute for Marine and Atmospheric Research (JIMAR)	ADMB Open Source Project	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	250,000
COMMERCE, DEPT-NATL NOAA-FED	John Wiltshire	Hawaii Undersea Research Laboratory (HURL)	Central Pacific Deep-sea Exploration and Research Projects: A Compendium of Multi-disciplinary Expeditions to be Accomplished by the University of HI		1	800,000
COMMERCE, DEPT-NATL NOAA-FED	Kazuyoshi Kikuchi	International Pacific Research Center (IPRC)	Convective Development and Organization Associated with the MJO from a Multiscale Interaction Perspective During the Dynamo IOP		1	94,172

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Kelvin Richards	International Pacific Research Center (IPRC)	Intraseasonal variability of the upper ocean in the Seycelles-Chagos Thermocline Ridge region and its impact on MJO initiation and development		1	298,547
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Bio-Sampling	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	111,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Cetacean Research Program	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	215,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Characterization and dynamics of mesoscale and submesoscale oceanic variability in the Solomon Sea simulated by a nested ROMS model		1	41,797
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Ecosystem Observations and Research Program	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	872,461

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Hawaiian Monk Seal Research Program	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	60,200
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Human Dimensions of Fishing and Marine Ecosystems in the Western Pacific	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	386,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Joint Institute for Marine and Atmospheric Research (JIMAR) - Task I (OAR Contribution)	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	200,000

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Marine Turtle Research Program	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	230,730
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Pacific Islands Region Outreach and Education Program	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	20,535
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Pacific Islands Territorial Science Initiative		1	135,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Profiling CTD Float Array Implementation and Ocean Climate Research	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	240,406

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Sea Turtle Bycatch Mitigation Research	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	124,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Sustaining Healthy Coastal Ecosystems - Supplement	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	3,747,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	The University of Hawaii Sea Level Center	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	1,185,000
COMMERCE, DEPT-NATL NOAA-FED	Robert John Toonen	Hawaii Institute of Marine Biology (HIMB)	Facilitation of Collaborative Monitoring, Research, and Data Management Between US DOC/NOAA/NOS/ONMS	See "Narrative" under Proposal Attachments.	1	50,000
COMMERCE, DEPT-NATL NOAA-FED	Whitlow Au	Hawaii Institute of Marine Biology (HIMB)	On the Development of a Broadband Hawaiian Bottomfish Species Identification Sonar		1	161,000

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NOAA/ NATL MARINE FISHERIES SVC	John Smith	Hawaii Undersea Research Laboratory (HURL)	Instrument Recovery and Survey of Mesophotic Habitat 2013	Instrument recovery and survey of the Mesophotic Habitat off the windward coast of Oahu, Hawaii.	1	50,000

**DOD-Department of Defense**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT- US ARMY CORPS OF ENGINEERS	David Duffy	Department of Botany	Biological Stabilization Action - Island of Oahu: Stabilization of Oahu's Rare and Endangered Species Research	Conduct rare and endangered species research in conjunction with the Army's ecosystem management program to protect natural resources on Army land on Oahu.	1	304,500
DEFENSE, DEPT-AIR FORCE	David Lassner	Office of the VP for Information Tech/Chief Info Officer	Operations and Management of the Maui High Performance Computing Center	Cost reimbursement award term contract for research development, operations and management of the Maui High Performance computing Center	1	15,663
DEFENSE, DEPT-AIR FORCE	David Lassner	Office of the VP for Information Tech/Chief Info Officer	Operations and Management of the Maui High Performance Computing Center	Time and cost extension to Task Order 42	1	3,207,666

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-Army Communications Electronics Command	Margaret Edwards	Hawaii Institute of Geophysics and Planetology (HIGP)	Hawaii Undersea Military Munitions Assesment	<p>The overarching objective of the proposed project is to develop, test and evaluate techniques that can be used to monitor and model the ongoing deterioration of sea disposed munitions.</p> <p>The project described in this proposal builds on the previous UH/Environet efforts by providing a direct comparison of the performance of two types of platforms for working in the marine environment, human-occupied vehicles (HOVs) and Remotely Operated Vehicles (ROVs), to deploy standoff and close-in sensors for identifying and investigating DMM. In addition to evaluating platforms, we plan to deploy sensors for short time-series studies of the environment directly adjacent to both chemical and conventional munitions that were located during prior efforts and evaluate how these sensors perform over time. We further propose to develop time-lapse optical systems that will collect images and supporting environmental data for DMM and their surrounding; the data acquired by these systems will be unique because they will be designed to be recoverable without the necessity of a platform returning to specific DMM sites. Finally we will incorporate all of the information we collect into a data fusion system to provide integrated products that assist U.S. Army decision makers. The approach we have designed addresses five of the ten Thrust Areas emphasized by the Night Vision and Electronic Sensors Directorate (NVESD):</p> <ol style="list-style-type: none"> <li>1. Standoff Explosive Detection by chemical sensors for Trace detection</li> <li>5. Acousti</li> </ol>	1	112,832
DEFENSE, DEPT-NAVY NAVAL RSCH LAB	Tim Li	International Pacific Research Center (IPRC)	Ensemble Prediction of Tropical Cyclone Genesis		1	81,937

### Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ENERGY, DEPT	Anne Hope Jahren	Department of Geology and Geophysics	Development of new Biomarkers for Surficial Earth Processes	To investigate: the stable isotope signature of terrestrial biomarkers, when contextualized according to the composition of whole organism and fortified with knowledge about general biochemistry, comprises a chemical signature that integrates over the lifetime of the organism, or the pedogenic development of the soil.	1	135,000
ENERGY, DEPT	Jelena Maricic	Department of Physics and Astronomy	Resolving Reactor Antineutrino Anomaly with Strong Antineutrino Source	CeLAND experiment will investigate the existence of sterile neutrinos, a new form of matter yet to be discovered. The search will be performed by deploying a $10^{15}$ Bq antineutrino source in a 1kton detector KamLAND in Japan. The existence of sterile neutrinos will be one of the most important discoveries of physics Beyond Standard Model.	1	150,000
ENERGY, DEPT	Niklas Schneider	Department of Oceanography	Collaborative Project: Ocean-Atmosphere Interaction From Meso- to Planetary-Scale: Mechanisms, Parameterization, and Variability	Investigate the dynamics of mid-latitude frontal scale air-sea interaction and the impact on climate.	1	80,331

#### DOI-Dept of Interior

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-FISH & WILDLIFE SVC	Chittaranjan Ray	Water Resources Research Center	Tier-1 screening of leaching risks of three anticoagulants used for rodent control in natural areas of Hawaii	Rodents in natural areas of Hawaii are a threat to native birds, invertebrates and plants as well as to the ecosystem. The US Fish and Wildlife Service (USFWS) along with other agencies is trying to control rodent populations in the mountain areas of Hawaii using anticoagulant baits. The project will develop a tier 1 screening tool for assessing the leaching risks of three such baits used for rodent population control. These baits contain three different active ingredients - chlorophacinone, diphacinone, and brodifacoum. Due to the toxicity of these chemicals, migration of these chemicals to groundwater or surface water may be of concern. This study will carefully review the pesticide properties, physico-chemical properties of the soils, and the potential	1	37,293



Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				<p>recharge in the application area to predict potential leaching of these chemical compounds to ground water using spatial data analyses. This prediction under the potential recharge and existing soil characteristics will be coupled with some uncertainty analyses to prepare a screening tool classifying a compound as a leacher, non-leacher or having significant uncertainties.</p>		
<p>INTERIOR, DEPT-FISH &amp; WILDLIFE SVC</p>	<p>Kenneth Kaneshiro</p>	<p>Pacific Biosciences Research Center</p>	<p>Pacific Islands Climate Change Cooperative</p>	<p>This agreement is being implemented to support a cooperative partnership, the Pacific Islands Climate Change Cooperative (PICCC), that will produce scientific and technical information needed to adapt conservation actions to changing climate and other conditions. The objective is to create new information and mechanisms of collaboration that will increase the effectiveness of conservation in the future.</p>	<p align="center">1</p>	<p align="center">331,367</p>

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-NATIONAL PARK SVC	Alan Friedlander	Department of Zoology	Movement patterns, habitat use, and size frequency of blacktip reef sharks ( <i>Carcharhinus melanopterus</i> ) at Kalaupapa National Historical Park	Overfishing and habitat degradation greatly impact coral reefs and components of the fish assemblage such as apex predators which are targeted by fishing activities. The lack of natural baselines reduces our ability to understand how natural ecosystems function and how best to conserve and manage them under human stress. Remote locations with limited fishing pressure are some of the few remaining examples of coral reefs without major anthropogenic influence. Kalaupapa National Historical Park (KALA) on the island of Molokai is one of the few places in the main Hawaiian Islands where these conditions exist. Preliminary surveys at KALA have indicated that one apex predator, the blacktip reef shark ( <i>Carcharhinus melanopterus</i> ), is locally abundant during certain times of the year in shallow water habitats within the park. This project proposes to acoustically tag these sharks and establish a network of receivers within the park to document movement patterns and habitat use, coupled with size frequency distributions and reproductive maturity to characterize the population demographics. Understanding movement patterns, the extent of the home range, as well as some aspects of the blacktip reef shark trophic ecology, are the primary objectives of the proposed study and will assist the park in conserving this shark population	1	30,421
INTERIOR, DEPT-NATIONAL PARK SVC	Clifford Morden	Department of Botany	Building Habitat and Capacity in Rare and Endangered Native Hawaiian Plant Populations in a Changing Climate	Expand rare and endangered native Hawaiian plant populations across their wider ecological range, thereby building capacity for these species to persist in the wake of climatic changes and other disturbances.	1	163,000
INTERIOR, DEPT-NATIONAL PARK SVC	Clifford W. Morden	Department of Botany	Developing and Evaluating Techniques to Restore Native Hawaiian Dry Land Forests Threatened by Invasive Plants	Evaluate weed control efforts and native plant reintroduction / stabilization strategies to assess their efficacy, differential results in target areas, and need to adapt restoration techniques.	1	40,000

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-NATIONAL PARK SVC	David Duffy	Department of Botany	Evaluate Eradication and Containment Strategies for Nonnative Plant Infestations	Conduct removal experiments to eradicate localized weed infestations and contain moderate alien weed infestations in Hawaii Volcanoes National Park.	1	45,250
INTERIOR, DEPT-NATIONAL PARK SVC	David Duffy	Department of Botany	Teaming with the Maui Invasive Species Committee to Develop & Evaluate Techniques for Controlling Invasive Plants & Restoring Native Plant Communities		1	23,000
INTERIOR, DEPT-NATIONAL PARK SVC	James Beets	Marine Science	Assessment of Changes in Mangrove Fish communities in Virgin Islands National Monument	Assessment of Changes in Mangrove Fish communities in Virgin Islands National Monument	1	28,666
INTERIOR, DEPT-NATIONAL PARK SVC	James Beets	Marine Science	Changes in Fish Assemblages over 50 Years in VIIS based on Fish Trap Sampling		1	28,666

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-NATIONAL PARK SVC	Michael Thomas	Department of Botany	Create Educational Opportunities with Natural History Collections.	<p>This multi-phased agreement addresses the National Park Services responsibility to better curate its natural history collections at Hawaii Volcanoes National Park (HAVO), while simultaneously drawing upon collections identification and curation expertise at the University of Hawai'i. This agreement will provide students at the University with real world training and experience working with National Park collections. Phase I will focus on the HAVO herbarium and general Natural History collection, which has approximately 300 Natural History Accession Records that need updating, and associated catalogue records that need to be reviewed and updated through the NPS computer program system. Phase II will focus on the Zoology collection at the park. In both Phases, specific collections will be annotated, taxonomic nomenclature reviewed, and electronic data records updated. Students currently enrolled in school, or graduates with the required background, will work with the collections. Dr. Michael B. Thomas, Curator of the Joseph F. Rock Herbarium at the University of Hawaii, Manoa, and Dr. Karen Kosasa, with the American Studies Departments Museum Certificate Program, will provide supervision and guidance to these students. Other management tasks related to these collections also will be included as part of the students educational experience.</p>	1	46,000

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Chittaranjan Ray	Water Resources Research Center	Assessment of hydraulic properties through tidal groundwater-level analysis for the state of Hawaii	<p>The Hawaii aquifers supply water to 1.36 million residents, diverse industries, and a large component of the U.S. military in the Pacific. The resident population on the islands has been increasing, but drinking water resources are limited and therefore susceptible to impacts from human activity and climate change. Decisions related to future infrastructure development and alternate sources of freshwater, including desalinization, will depend on the long-term sustainability of the groundwater resources in the Hawaii aquifers. Models that are used to manage groundwater availability and quality require a good understanding of the hydrogeologic framework of the aquifers and accurate estimates of hydraulic properties to simulate groundwater flow and evaluate saltwater intrusion.</p> <p>The ocean-tide signal attenuates through coastal aquifers based on the aquifers regional hydraulic diffusivity. Thus, analyzing tidal amplitude decay with distance from the coastline allows estimating regional-scale hydraulic properties and identifying the importance of different hydrologic units. A few localized studies of tidally influenced groundwater levels in Hawaii exist (e.g., Dale 1974; Gingerich 1995; Oki 1997; Rotzoll et al. 2008), but a statewide compilation and comparison is lacking. The scope of work is the large-scale estimation of hydraulic properties of volcanic rock and coastal sediment aquifers from tidal attenuation for the state of Hawaii using existing data.</p>	1	80,000
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Erik Franklin	Hawaii Institute of Marine Biology (HIMB)	Future Coral Reef Community Projections of DOI-Managed Coastal Assets in the Hawaiian Islands		1	83,999
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Kevin Hamilton	International Pacific Research Center (IPRC)	Coral reef resilience to climate change in CNMI; field-based assessments and implications for vulnerability and future management		1	81,175

**Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Kirsten Oleson	Natural Resources and Environmental Mgt	Valuing Climate Change Impacts on Coral Reef Ecosystem Services		1	95,841
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Randy Y. Hirokawa	College of Arts and Sciences	Cooperative Monitoring and Assessment of Hawaii volcano Hazards	Conduct training, research and public outreach on Hawaii's volcanoes	1	225,000
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Thomas W Giambelluca	Geography (UH Manoa)	Ecohydrological Field Research in Hawaii	We will maintain the HaleNet system on Maui, consisting of 9 active climate stations, two repeaters, and a base station. On Hawaii Island, we will operate two advanced flux towers measuring energy, water, and carbon exchanges over one native forest site and one strawberry guava-invaded site.	1	30,000
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Yuqing Wang	International Pacific Research Center (IPRC)	Very Fine Resolution Dynamical Downscaling of Past and Future Climate for Assessment of Climate Change Impacts on the Islands of Oahu and Kauai		1	100,855

**ED-Dept of Education**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Jean Johnson	Center on Disability Studies/University Affiliated Pgms	PROJECT SPIRIT: Supporting Parents in Responsive Interactions	Project SPIRIT has three main goals. 1) Improve at-risk Native Hawaiian children's education readiness and early development. 2) Provide evidence-based skills and support for Native Hawaiian parents of children ages 0-5 using the Responsive Teaching Curriculum and , 3) Provide professional development for Native Hawaiian interventionists.	1	467,285

**Federal Agencies**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
JUSTICE, DEPT-OFFICE JUSTICE PROG	Valli Kalei Kanuha	Sociology (UH Manoa)	Safe Start Promising Approaches Project: Haupoa Enhanced, A Treatment Innovation	It is estimated that 25% of women will experience intimate partner violence in their lifetimes, with up to 10 million of their children witnessing such acts and sometimes being victimized themselves. Since 1999 the Safe Start initiative has highlighted promising community practices to address the urgent needs of children exposed to violence.	1	250,000

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				Towards that end, the University of Hawaii at Manoa and Parents And Children Together's Family Peace Center (PACT-FPC) propose to collaborate on the design of a practice innovation that will infuse Modular Cognitive Behavior Therapy (MCBT), a treatment strategy employed in evidence-based services for children into Haupoa, PACT-FPC's existing intervention for children exposed to domestic violence based in Honolulu, Hawaii. UH and PACT will partner with local child welfare, criminal justice, mental health and other social service agencies in this effort, and closely collaborate with OJJDP to implement Haupoa Enhanced, an evidenced-based treatment model for children age 3-17 and their mothers. A unique feature of Hawaii as the project site is that the majority of participants are of Asian, Pacific Islander or Native Hawaiian descent. Performance measures will focus on increasing access to services, reducing the impact of exposure to violence, while maintaining safety for children and their mothers.		
USE 01100-HOMELAND SECURITY, DEPT	James Gaines	Office of the Vice President for Research	The National Center for Island, Maritime and Extreme Environment Security (CIMES)	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.	1	1,641,600
USE 01100-HOMELAND SECURITY, DEPT	John M.J. Madey	Department of Physics and Astronomy	ARI-MA: Nuclear Materials Detection via Time-Encoded Differential Absorption and/or Differential Fluorescence	The research objective of this award is to demonstrate and evaluate the use of differential absorption and differential fluorescence for the detection of fissionable nuclear materials concealed by terrorists in shipping containers, road vehicles, aircraft and ships.	1	378,818

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
USE 01100-HOMELAND SECURITY, DEPT	John M.J. Madey	Department of Physics and Astronomy	Use of Laser Cooling to Extend the Peak Current and Duty Cycle of Microwave Thermionic Guns	The proposed research will explore the use of laser-induced cooling of the surface of the lanthanon hexaboride cathodes used in the accelerator system being used for the research funded	1	165,347
VETERANS AFFAIRS, DEPT-FED	Jane Onoye	Department of Psychiatry	FY14 IPA for Onoye - VA NC-PTSD	IPA Agreement with VA National Center for PTSD for Dr. Jane Onoye for position as research staff with cross-cultural mental health expertise.	1	47,664

**Foreign**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
India, Government of- Ministry of Earth Sciences	H. Annamalai	International Pacific Research Center (IPRC)	Extended Monsoon Episodes: Understanding Processes and Pathways for Improved Prediction in CFSv2	<p>Project Summary :</p> <p>(a) Intellectual merits of the proposed work                      In CFSv2, a successful prediction of prolonged break and active monsoon conditions (extended monsoon episodes) with sufficient lead-time will depend on the representation of relevant atmospheric moist and radiative processes, as well as oceanic processes during the life cycle of these events. Our central hypothesis is that extended intraseasonal episodes arise due to interaction among sub-seasonal and boundary forced variations, and thus their simulation and prediction represents an ideal test-bed for developing seamless prediction approach. A key factor in the prediction of extended episodes is the representation of relevant physical processes, and diagnostics of moist processes, e.g., moist static energy budget, is an ideal tool that encapsulates their assessment. By examining their representation (or lack thereof) in the model physics, and interpreting model errors in that light, we hope to provide guidance for CFSv2 model improvements. Investigating analysis and forecast, and analysis increments in CFS could help identify model errors in physics. Another intellectual merit we propose is that there is way to improve forecast via physical process oriented nudging. The</p>	1	101,333



Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				<p>complementary expertise of our research team together with a multi-institutional collaboration is also a novel approach in itself.</p> <p>(b) Broader impacts of the proposed work</p> <p>The timing, intensity and spatial extent of prolonged episodes exert direct impact on agricultural yields and hydroelectric power generation, and dictate the socio-economic conditions of small-scale farming communities. Thus, a diagnostics of CFSv2 based on the analysis of moist processes is expected to guide improvements in the future generations of the model, and skill of extended-range prediction of monsoon conditions. The monsoon region, unfortunately, is sparse in traditional 3-dimensional observations of moisture and radiation, however robust model diag</p>		
KEK HIGH ENERGY ACCELERATOR RCH ORG	Gary Varner	Department of Physics and Astronomy	JFY 2013 US/Japan Program for cooperation in High Energy Physics	Design, fabrication, and firmware/software debug and deployment of a first generation stacked 2D-electrode detector.	1	49,353
Korea Food Research Institute	Soojin Jun	Human Nutrition, Food and Animal Sciences	High Wear and Biofouling Resistant Nanoparticle-Polymer Composite Coating for Food Processing	To develop and optimize high wear resistant nanoparticles-polymer composite coating to inhibit bacterial adhesion and biofouling formation on the surfaces of food equipments	1	50,000

**Hawaii- Business and Other**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EAST WEST CENTER	Aly El-Kadi	Water Resources Research Center	Assessing Sustainability of Ground Water Resources Under Future Climate Conditions	We will use projections of climatic conditions together with stochastic hydrologic models to assess the sustainability of ground water resources. With advance planning, through research, the consequences of climate change on water systems can be mitigated.	1	105,625
RESEARCH CORPORATION UNIV HI	Florence Thomas	Hawaii Institute of Marine Biology (HIMB)	Quantitative Ecology PMNM		1	24,172

**Hawaii- Government Agencies**

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
BUSINESS, ECON DEV & TOUR, DPT	Richard E Rocheleau	Hawaii Natural Energy Institute (HNEI)	Hawaii Renewable Energy Grid Project	Contract Amendment revises the scope of work and reduces the budget to reflect the reduction in services provided.	1	20,000
Governor, Office of - State of Hawaii	Kelley Withy	Department of Complementary and Alternative Medicine	SIM Grant Provider Focus Groups	Proposal to conduct focus groups on behalf of the Governor's office for the SIM grant	1	36,300
HEALTH, DEPT-ALCOHOL & DRUG ABUSE DIV-HI	Rebecca Joy Williams	Office of Public Health Studies	Education Research Services for the Implementation of the Synar Amendment		1	76,000
HEALTH, DEPT-HAZARD EVAL & EMERGENCY RESPONSE	David Penn	Water Resources Research Center	Collection of Multi-increment Sediment Samples for Speciated Arsenic Analyses in Waiakea Pond, Hilo, Hawaii	The Water Resources Research Center, University of Hawaii (WRRC), will provide technical and field support to collect up to 20 multi-increment sediment samples from the Waiakea Pond/Wailoa River Estuary area and control sites (Hawaii Island) for arsenic speciation analyses. WRRC will evaluate the efficiency and effectiveness of the sampling effort to assist with the development of sampling design and methods for shallow-water environments.	1	6,816

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH, DEPT-HI	Chittaranjan Ray	Water Resources Research Center	Adaptation of the CLERS model for Pharmaceutical Compound Leaching Assessment	<p>Pharmaceutical and personal care products (PPCPs) are ubiquitous in domestic sewage as well as in animal waste lagoons, manures, and land application sites. In addition, estrogenic compounds (natural and synthetic) are also found in sewage and waste lagoons. Because of their endocrine disrupting properties, there is public as well as regulatory concern about the presence of these compounds in drinking water sources. In the early 2000's, the US Geological Survey found presence of PPCPs in streams and rivers in its National Water Quality Assessment (NWQA) program. The origins of these chemicals are primarily from the discharge of treated wastewater to streams and rivers. In areas where large confined animal feeding operations (CAFOs) exist, many antibiotics and pharmaceutical compounds have also been found in shallow ground waters adjoining lagoons. While many of these PPCPs bind strongly to soils, many others are also extreme leachers. Currently, the database for the leaching behavior of these chemicals, particularly for Hawaii conditions, is scarce. In order to improve the CLERS model for assessing the leaching of PPCPs, the fate and transport data for selected PPCPs in Hawaii conditions will be needed.</p> <p>Areas with shallow ground water will be the initial focus, such as Hawaii Paradise Park (near Hilo, HI) and Hanalei. Benchmark soils (six other soils) from various islands will be conducted for sorption and degradation experiments. Biotic and abiotic degradations will be separated using irradiation and microbial growth inhibitors. Sorption constant (K<sub>oc</sub>) and degradation half-life (dark, aerobic conditions) will be determined in the laboratory. From these data, the mean and standard deviations will be determined. The CLERS models will be appropriately updated using the data derived for Hawaii soils.</p>	1	45,000

### Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Endangered Maui Forest Bird Population Research and Management	Research and manage recovery efforts for endangered Maui forest birds, including the Po'ouli.	1	120,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Kauai Endangered Forest Bird Conservation Research and Management	Continue research and field management to restore endangered Hawaiian forest birds on Kauai.	1	120,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Management of Axis Deer on Maui Island, FY 13	Developing database for detection and control of axis deer on Maui.	1	62,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Natural Area Reserves Management	Research and manage endangered species in their protective habitats in the state's natural area reserves with a focus on the native ecosystem and species diversity.	1	25,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Natural Area Reserves Management: Kauai Island	Research and manage endangered species in their protective habitats in the state's natural area reserves with a focus on the native ecosystem and species diversity.	1	124,012
LAND & NATURAL RESOURCES, DEPT (DLNR)	William Haines	Plant and Environmental Protection Sciences	Monitoring of the spread and impacts of the koa looper moth ( <i>Scotorythra paludicola</i> ) on Hawaii Island		1	25,000
LAND & NATURAL RESOURCES, DEPT (DLNR) OFC CONS COAST LDS	Charles Fletcher	Department of Geology and Geophysics	Empirical Projection of Future Shoreline Position and Inundation Due to Sea Level Rise		1	50,000

#### Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
BOEING COMPANY-BOEING LASER TECH SVCS	Jeffrey Kuhn	Institute for Astronomy	UH R&D Support (ODC)	Implement HiVIS, and AO systems for AEOS telescope. Maintain and provide support for AEOS operations and data acquisition.	2	34,000

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Chevron Products Co., Hawaii Refinery	Florence Thomas	Hawaii Institute of Marine Biology (HIMB)	Partnership to measure effluent toxicity using a Tripneustes gratilla fertilization assay	<p>As we move into the 21st century partnerships between public academic institutions and private industries are likely to become increasingly important. The partnerships provide the link between the intellectual assets of public universities and private industry that are economic drivers in the surrounding communities. In Hawaii the formation of these partnerships are particularly important since local industry has limited access to intellectual resources such as those readily available in metropolitan areas in the continental U.S. In Hawaii the University of Hawaii provides an important locus of knowledge that is useful to the private sector and can be made available through partnerships focused on specific goals. Here we propose to continue a partnership with Chevron Hawaii Refinery to determine if effluent from the refinery has a toxic impact. We have developed a Whole Effluent Toxicity Testing (WETT) Laboratory at the University of Hawaii, Hawaii Institute of Marine Biology. The goal of this project is to conduct whole effluent toxicity tests (WET) using the Hawaiian Collector Urchin (<i>Tripneustes gratilla</i>) following flexibilities allowed by the USEPA protocol and a set of best practices assembled by Chevron. The plan is to follow these procedures and work with Chevron to modify them as needed so that consistent results of the tests are accomplished. HIMB will provide ongoing test support for Chevron. In addition to conducting the tests the goals of the partnership are to include a research program designed to understand toxicity in tropical waters. The primary responsibility of HIMB is to provide test support; however as time permits they will conduct research as outlined below. In this was the partnership is mutually beneficial and focused on training in both public and private sectors while meeting a need expressed by the private sector.</p>	1	103,650

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH RESEARCH INC	Song-Yi Park	Cancer Etiology	Epidemiology of Breast Cancer Subtypes in African American Women: a Consortium	This project is a collaboration among study groups with information on African American women with breast cancer, and will be coordinated at Roswell Park Cancer Center. Dr. Kolonel will provide data from the Multiethnic Cohort Study, and will participate in all aspects of the study.	1	30,563
THIRTY METER TELESCOPE OBSERVATORY CORP	David Duffy	Department of Botany	Implementation of a Biological Monitoring and Inspection Protocol on Mauna Kea	Develop and implement biological monitoring and invasive species prevention protocols for a proposed observatory construction site on the summit of Mauna Kea.	1	24,247
Wyle Laboratories, Inc.	Lloyd Hihara	Mechanical Engineering	Ceramic Corrosion Testing	Conduct research and testino of ceramic and aluminum couoles.	1	315,541

**Mainland- Health Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Children's Hospital of Philadelphia	Robert Wilkinson	Clinical Sciences	St. Baldrick's Foundation Supplemental Reimbursement	UH will be conducting cooperative cancer trials for pediatric patients, supported by St. Baldrick's Foundation	2	53,000

**Mainland- Non-Profit Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
American Bird Conservancy	Christopher Lepczyk	Natural Resources and Environmental Mgt	Quantifying the Risk of Feral Cat Colonies to Bird Conservation Areas on Oahu, Hawaii		1	35,000
CONSORTIUM FOR OCEAN LEADERSHIP	Gregory Moore	Department of Geology and Geophysics	Participation by Brian Boston in IODP Exp 348		1	9,850

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
THE V FOUNDATION	Michele Carbone	University of Hawaii Cancer Center	HMGB1, A Biomarker for Mineral Fiber Exposure and Detection of Malignant Mesothelioma	<p>Malignant mesothelioma is a cancer of the mesothelium, the protective lining that covers the lungs (pleura), the hearth (pericardium), and the abdomen (peritoneum). Mesothelioma most frequently develops in individuals exposed to fibrous minerals, such as asbestos, as particles inhaled in dust. This aggressive cancer is difficult to diagnose at early stages, especially as early stage mesothelioma can resemble lung cancer. However, mesothelioma is difficult to treat at late stages; newly diagnosed patients only survive for an average of a year. Asbestos exposure in the U.S. has mainly been occupational, as asbestos has multiple commercial uses as a building and insulating material. Although the use of asbestos is now regulated in the U.S., the incidence of mesothelioma in this country has remained steady since 1994, and commercial use of asbestos is increasing in developing countries. Other fibrous minerals, such as erionite, have similar physical properties to asbestos and appear to pose a new health threat. We have found that exposure to erionite was responsible for a staggering epidemic of mesothelioma that affected the populations of several Turkish villages. We have also recently shown that erionite exposure levels in some areas of the U.S. are similar to those found in some of these Turkish villages. In spite of these recent findings, mesothelioma research remains under-funded and few advances in diagnostics and treatments have been made in the past few decades. It is not currently possible to identify individuals within at-risk populations who have been exposed to high levels of asbestos, and therefore at risk for mesothelioma and other asbestos-related cancers. The long latency period of 20 to 60 years between initial mineral fiber exposure and the development of mesothelioma would provide opportunities to implement chemo preventive and early detection strategies, if those at highest risk could be identified.</p>	1	200,000

### Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				Previous studies have linked the chronic inflammati		

#### **National Aeronautics and Space Administration**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Alexander Krot	Hawaii Institute of Geophysics and Planetology (HIGP)	Mineralogy, Petrology, and Isotope Composition of Chondrite Components	To confirm a genetic relationship between rare flat earth element (chondrules), we propose to analyze isotope compositions and trace element abundances in rare chondrules. Using measuring instruments such as the Cameca Ims-1280.	1	39,580
NATIONAL AERONAUT & SPACE ADM	Daniel O'gara	Institute for Astronomy	NNG11383774-3M Satellite Laser Ranging Support Services for the Transportable Laser Ranging System (TLRS-4) Haleakala, Maui	Support services, maintenance and calibration of the TLRS-4 system on Haleakala Summit, Maui.	1	38,000
NATIONAL AERONAUT & SPACE ADM	Edward Robert Dalton Scott	Hawaii Institute of Geophysics and Planetology (HIGP)	Origins, Thermal Histories, and Impact Records of Iron Meteorites, Chondrites, and their Parent Asteroids	Our objective is to learn more about the formation of asteroids and planets by studying the record preserved in meteorites of the igneous, metamorphic and impact processes operating during the early stages of solar system history	1	100,000
NATIONAL AERONAUT & SPACE ADM	Gary R. Huss	Hawaii Institute of Geophysics and Planetology (HIGP)	Investigating the Raw Materials, Processes, and Chronology of the Early Solar System Using Microbeam Techniques	I will use the UH Cameca Ims 1280 ion microprobe to study the timing of early solar system events using short-lived radionuclide, the isotopic compositions of the materials that formed the solar system, and the processes that formed metal cores in asteroids and planets.	1	130,000
NATIONAL AERONAUT & SPACE ADM	Gary R. Huss	Hawaii Institute of Geophysics and Planetology (HIGP)	Isotopic Analysis of Stardust Samples by Ion Microprobe	We will use the UH Cameca Ims 1280 ion microprobe to make isotopic measurements of comet samples that were returned by NASA's Stardust Mission to comet Wild 2.	1	247,545



Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Jeffrey Gillis-davis	Hawaii Institute of Geophysics and Planetology (HIGP)	Pyroxene and Olivine Synthesis: A Strategy to Improve Spectral Remote Sensing Derived Data Products	Understanding the fundamental chemical controls on visible and near-infrared reflectance spectra of pyroxene and olivine is critical to quantitatively assessing the mineral chemistry and abundance estimated by remote sensing. We propose improving the accuracy of compositional and mineralogical information derived from visible-near infrared remote sensing data. To this end, we aim to improve the predictability of these models by addressing their two key limitations: 1) inadequate reflectance data spanning the complete olivine and pyroxene compositions, and 2) conflicting or poor results when models are trained on one set of data and used to classify another. The systematic strategy we devised contains three steps: 1) synthesize mafic silicates with a extraterrestrial-like major and minor element compositions and under controlled fO <sub>2</sub> conditions; 2) Measure the bidirectional reflectance properties of synthesized minerals from which optical parameters will be derived k-spectra for radiative transfer and model parameters (e.g., band center, width and strength) for Modified Gaussian Model, which we will refer to generically as optical parameters; and 3) relate optical parameters synthesized mafic silicates as a function of composition. These three steps form the basis of our two independent tasks. Task 1 is to do these three steps with pyroxene, and Task 2 is to do these steps with respect to olivine.	1	105,000
NATIONAL AERONAUT & SPACE ADM	Karen Meech	Institute for Astronomy	Water and Habitable Worlds	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	1	225,000

### Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Luke Flynn	Hawaii Institute of Geophysics and Planetology (HIGP)	Development of a Large Area Standoff bio-finder and Chemical Analyzer for Planetary Exploration	The objective of this proposal is to develop a compact laser-based instrument that will rapidly search for and locate biological materials in a large area from standoff distances (Bio-finder) and then perform chemical analysis by standoff elemental (LIBS) and mineralogical (Raman) spectroscopy (Chemical Analyzer). The proposed instrument will be suitable for locating and identifying bacteria, biominerals, metabolic enzymes nicotinamide adenine dinucleotide (NADH), and flavin adenine dinucleotide (FAD), photosynthetic pigments, and diagenetic products of microbial life.	1	721,375
NATIONAL AERONAUT & SPACE ADM	Peter Mouginis-Mark	Hawaii Institute of Geophysics and Planetology (HIGP)	Geologic Mapping of Hrad Vallis, Mars: Investigating the hypothesized occurrence of recent mud flows on Mars during the Amazonian Era		1	110,000

#### National Science Foundation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Alexander N Shor	School of Ocean and Earth Science and Technology	R/V Kilo Moana Ship Operations 2012-2016	Operation of research vessel R/V Kilo Moana in support of NSF funded ocean science	1	3,162,300
NATIONAL SCIENCE FOUNDATION	Aya Kimura	Womens Studies	The making of knowledge gaps in radioactive contamination of food: Gender, food safety, and civil society research	This 24-month study examines social dynamics around radioactive contamination of food in the aftermath of the nuclear disaster of March 11, 2011 in Japan by asking the following: how the regulatory and scientific experts responded to the threat of radioactive contamination of food and what shaped their decisions; what kind of information was or was not available in the aftermath of the disaster and to whom; how the consequences of knowledge gaps might be gendered and what kind of coping strategies were employed by women; and how regular citizens try to fill such knowledge gaps by their own monitoring and research and the extent of their collaboration with scientists and groups outside Japan.	1	132,018

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Bruce Houghton	Department of Geology and Geophysics	Hazards SEES Type 1: Persistent Volcanic Crises in the USA: From Precursors to Resilience		1	291,722
NATIONAL SCIENCE FOUNDATION	David Karl	Center for Microbial Oceanography, Research and Edu (C-MORE)	Center for Microbial Oceanography: Research and Education (C-MORE)	Operations at the Center for Microbial Oceanography: Research and Education will be extended for an additional 5-year period (2011-2016). We will conduct research, create and disseminate knowledge, provide unique educational opportunities, conduct research and enhance the diversity of the scientific workforce	1	4,000,000
NATIONAL SCIENCE FOUNDATION	Jeffrey Kuhn	Institute for Astronomy	CAREER: Bridging Modern Computational Capabilities and Observations of Solar Magnetic Fields with Expanding Solar Physics Education at the...	We propose to improve the current version of the solar corona model within the SWMF by incorporating the newly available, high-cadence time-series of vector magnetogram data taken with the Heliospheric and Magnetic Imager (HMI) spectro-polarimeter onboard the Solar Dynamics Observatory (SDO) satellite. The coronal magnetic field above active regions is expected to contain volumetric currents, which cannot be modeled with potential field extrapolations. We aim to improve simulations of dynamic events by using non-potential force-free extrapolations of the corona magnetic field above active regions as initial conditions. Given the nonlinear nature of the MHD equations, we expect that the use of these realistic starting conditions will improve the reliability of the simulations. The 12-minute high-cadence of the observations allows for interesting possibilities of driving the simulations using the photospheric vector magnetic field as a boundary condition. This project will help improve the chances of developing more accurate physics-based predictive tools for space weather by incorporating more realistic observations of the solar magnetic field into existing MHD simulations of the solar corona.	1	20,000

### Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Magdy F Iskander	Hawaii Center for Advanced Communications	University of Hawaii Partnership with the NSF I/U CRC for Telecommunication Circuits and Systems at Arizona State University	This is a collaborative research effort between the University of Hawaii and four other universities including ASU, UA, RPI, and the Ohio State University. Requested funds will support faculty research and graduate students projects	9	245,005
NATIONAL SCIENCE FOUNDATION	Matthew Church	Department of Oceanography	The Hawaii Ocean Time-series (HOT): Sustaining Ocean Ecosystem and Climate Observations in the North Pacific Subtropical Gyre		1	290,000
NATIONAL SCIENCE FOUNDATION	Robert A Stodden	Center on Disability Studies/University Affiliated Pgms	Pacific Alliance for Supporting Individuals with Disabilities in STEM Fields Partnership (Pacific Alliance)	The Pacific Alliance, led by CDS staff at UH-M, is designed to significantly increase and broaden participation of students with disabilities who enroll in and complete 2- and 4-year undergraduate degrees in STEM fields, enter STEM graduate programs, and enter the STEM workforce within Hawaii and US Pacific Jurisdictions.	1	228,020
NATIONAL SCIENCE FOUNDATION	Robert Dunn	Department of Geology and Geophysics	Collaborative Research: Seismic Investigation of the Rainbow Hydrothermal Field and its Tectono/magmatic Setting, Mid-Atlantic Ridge 36 Degrees 14'N	A combination of 3D active-source seismic tomography, 2D multichannel seismic reflection profiling, and passive microseismicity monitoring, to resolve the physical architecture of the crust and upper mantle at the Rainbow vent site along the Mid-Atlantic Ridge. Investigation of the relationships between magmatic processes, hydrothermal circulation, and the thermal and tectonic structure of the ridge.	1	120,420
NATIONAL SCIENCE FOUNDATION	Scott Q Turn	Hawaii Natural Energy Institute (HNEI)	Center for BioEnergy Research & Development	UH will participate in the development of novel catalysts for producing liquid biofuels from synthesis gas. UH will characterize contaminants in the synthesis gas that affect catalysts and supply synthesis gas samples.	1	50,000

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Tamara Ticktin	Department of Botany	Understanding the links between local ecological knowledge, ecosystem services, and resilience to climate change in Pacific Islands.	Human and natural systems are interlinked in complex ways. Understanding how these social-ecological systems are and can be resilient to climate change poses one of the most pressing problems of our world today. This is especially true for coastal communities in the Pacific Islands, who are extremely vulnerable to the effects of climate change. Many coastal communities in the Pacific Islands, as elsewhere in the developing world, are managed by local ecological knowledge systems (LEK) customary knowledge-practice-belief systems passed down over generations, through adaptive management. The LEK systems developed over millennia by Pacific Islanders have allowed them be resilient to the climate extremes that characterize their islands. These LEK systems continue to be modified under rapidly changing social, economic and ecological contexts. However, the complex patterns and processes involved in coupled human and natural systems such as LEK systems are not well-described or understood. This information is critical for informing solutions for the future resilience and sustainability of these coastal systems. This proposal builds directly on a one year (2012) NSF grant (OISE 1160830) to establish a new a new collaboration with partners at the University of the South Pacific, Fiji. We represent an interdisciplinary, international team who span the natural and social sciences, and terrestrial and marine spheres (terrestrial and marine ecology, ethnobiology, environmental economics, anthropology and climate science). As such we are able to address complex questions in social-ecological systems. We draw on a conceptual framework that involves a novel integration of social-ecological systems and resilience theory, ethnobiology theory, ecosystem services modeling; and propose to use a combination of long-term existing social and ecological datasets, new experiments, and state-of the art climate and ecosystem service modeling to	1	554,924

### Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				address the following objectives: (1) Model an		
NATIONAL SCIENCE FOUNDATION	Therese Gruter Nell	Department of Second Language Studies	Discourse and Prosody in Non-Native Speakers' Reference Resolution		1	286,827

#### US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CALIFORNIA DAVIS, UNIVERSITY OF	Alexander Krot	Hawaii Institute of Geophysics and Planetology (HIGP)	Chronology of Chondrule Formation Using a Multi-Chronometer Approach	Chronology of chondrule formation using a multi-chronometer approach.	1	79,200
CALIFORNIA DAVIS, UNIVERSITY OF	Michael Melzer	Plant and Environmental Protection Sciences	Pathogen persistence in Hawaii's fresh produce		1	85,741
CORNELL UNIVERSITY	Kimberly Binsted	Information and Computer Sciences	Effects of Retronasal Smelling, Variety and Choice on Appetite and Satiety	Our main analog study will test the hypothesis that allowing a crew to prepare some of their own meals will mitigate menu fatigue and increase food satisfaction. An analog crew of 5 volunteers will inhabit a Mars analog site for 4 months. Preparation time, food acceptability, intake, and mood will be tracked.	1	95,535
MARYLAND, UNIVERSITY OF	Daniel Schar	Hawaii Institute of Marine Biology (HIMB)	Alliance for Coastal Technologies - Pacific Partner	Test and evaluate sensor technology for coastal moorings. Provide outreach activities to help assess instrumentation needs for Integrated Ocean Observing System and other coastal management needs.	1	155,000
Rice University	Richard Zeebe	Department of Oceanography	Continent-island Arc Fluctuations: Linking deep Earth Dynamics to Long-term Climate		1	22,038

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
United States Air Force Academy	Lloyd Hihara	Mechanical Engineering	Galvanic Corrosion Studies of Aluminum Coupled to Non-Passivating and Passivating Alloys in Diverse Micro-Climates	<p>The purpose of the research is to obtain a scientific understanding of the galvanic corrosion mechanisms and quantitative metrics so that the data can be used in future corrosion models to predict the effects of galvanic corrosion in more complex systems. This program will focus on developing a thorough understanding of the galvanic corrosion of aluminum when it is coupled to a) more noble non-passivating metals (e.g., silver, copper and mild-steel) to b) passivating alloys (e.g., Ti-6Al-4V and 316 stainless steel), and to c) a non-passivating active metal (e.g., Mg AZ31B) in diverse Hawaii microclimates. The determination of overall corrosion damage during atmospheric exposure is complicated because non-passivating, noble metals (e.g., Cu and Ag) can contaminate the aluminum surface and change the local-action corrosion rates; whereas, passivating metals (e.g., 304 stainless steel and Ti 6Al 4V) are less likely to contaminate the Al surface. In addition, the variation in the solar reflective index (SRI) of the different types of metals can significantly alter the specimen temperatures, drying characteristics, and ultimately corrosion rates. Corrosion studies such as potentiodynamic polarization and zero-resistance ammeter techniques will be conducted in the laboratory to help identify corrosion mechanisms. Standardized accelerated corrosion tests (e.g., GM 9540), and field exposure in various Hawaii microclimates and environments (e.g., severe marine, rainforest, and volcanic with acid rain) will be conducted to determine corrosion performance in natural environments and correlation or lack of to standardized accelerated corrosion tests. Galvanic corrosion currents and specimen temperatures will also be recorded for the galvanic couples exposed in the field sites.</p> <p>This project will involve a graduate student in mechanical engineering, and provide hands-</p>	1	400,000

### Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				on experience to undergraduate students in mechanical engineering via class projects on galvanic corrosion i		
VIRGINIA POLYTECHNIC INST & STATE UNIV	Catherine Chan-Halbrendt	Natural Resources and Environmental Mgt	Sustainable Management of Agroecological Resources for Tribal Societies (SMARTS)	This proposal will address conservation agricultural practices among tribal populations in India and Nepal. The goal is to improve the livelihood of these subsistence farmers, modify slash-and-burn practices and introduce innovative soil and water conservation measures.	1	306,170
<b>Research - Total</b>					<b>144</b>	<b>52,157,782</b>

#### Non-Research

##### DA-Dept of Agriculture

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-FED	Donald Straney	Chancellor, UH Hilo	Acquisition of Goods and Services	Support for UHH students to undertake USDA research activities/projects	1	80,000
AGRICULTURE, DEPT-NATL INS FOOD AND AGRICULTURE	Arnold Hara	Plant and Environmental Protection Sciences	University of Hawai`i Extension IPM Coordination and Support Program 2013		1	60,000
AGRICULTURE, DEPT-NATL INS FOOD AND AGRICULTURE	Charles Kinoshita	College of Tropical Agriculture and Human Resources	Agribusiness Education, Training and Incubation Program (AETI)	The University of Hawaii's Agribusiness, Education, Training and Incubation (AETI) Project is intended to: (1) expand local agricultural and food production through more productive agribusiness; and (2) develop the local agricultural and food production workforce through education and training.	1	1,413,555
AGRICULTURE, DEPT-NATRL RES SVC-FED	Kenneth Kaneshiro	Pacific Biosciences Research Center	Hawaii Conservation Alliance 2010 -2011 dues	These are funds to cover dues not paid in 2010 - 2011 in support of the activities of the Hawaii Conservation Alliance.	2	17,000
AGRICULTURE, DEPT, FOREST SVC-FED	Kenneth Kaneshiro	Pacific Biosciences Research Center	Sustain Hawaii Conservation Alliance	Sustain the Hawaii Conservation Alliance by organizing the Hawaii Conservation Conference; organizing workshops utilizing Hawaii's available research resources and publishing results; and developing efficient communication of relevant research findings to the manager's of Hawaii's natural resources.	1	15,000



Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-CTR FOR MEDICARE & MEDICAID SVCS	John Pezzuto	College of Pharmacy	"Pharm2Pharm" Service Innovation in Rural Hawaii	"Pharm2Pharm is a unique care transition and care coordination model that expands the roles of hospital and community pharmacists in rural areas of Hawaii to reduce medication risk by closing common gaps in care that occur at and after discharge.	1	5,853,210
HEALTH & HUMAN SVC, DEPT-HRSA-FED	Kelley Withy	Department of Complementary and Alternative Medicine	Hawaii State Loan Repayment Program (HSLRP)	The purpose of the Hawaii State Loan Repayment (HSLRP) is to improve access to health care in underserved communities of Hawaii by increasing the number of primary care providers working in Health Professions Shortage Areas (HPSA). The HSLRP will provide incentive to at least 8 healthcare providers in HPSAs in Hawaii by providing \$40,000 a year in loan repayment for 2 years for 3 students in year 1 and 8 students in year 2.	2	290,394
HEALTH & HUMAN SVC, DEPT-HRSA-FED	Kelley Withy	Department of Complementary and Alternative Medicine	Hawaii/Pacific Basin Area Health Education Center (AHEC)	The purpose of the Hawaii/Pacific Basin (HPB) AHEC is to improve the health of the underserved through collaborative regional training initiatives across Hawaii and U.S. protectorates in the Pacific	1	915,030

**DOC-Dept of Commerce**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	National Weather Service Pacific Region Fellowship Program	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	127,085
COMMERCE, DEPT-NATL NOAA-FED NATL OCEAN SVC	Malia Rivera	Hawaii Institute of Marine Biology (HIMB)	Student Investigations in Marine Science: Place-Based Education in the He'eia Ahupua'a Providing Opportunities to Engage Students in Management...		1	97,856

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

**DOD-Department of Defense**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-ARMY TRIPLER MEDICAL CTR	Edward Fisher	College of Pharmacy	MSCP Program	Training clinical psychologists who are doing a fellowship at TAMC in the area of Psychopharmacology. Students successfully completed the program will receive a MS in clinical psychopharmacology.	1	316,928
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Alexander N Shor	School of Ocean and Earth Science and Technology	Research Vessel Operations and At-Sea Technical Services, University of Hawaii 2009-2011	Emergency repairs and maintenance work on R/V Kilo Moana.	1	310,897
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	David Lassner	Office of the VP for Information Tech/Chief Info Officer	Fiber Connectivity to VLBA on Mauna Kea	Provide fiber connectivity to VLBA facility on Mauna Kea.	1	42,783

**DOI-Dept of Interior**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-FED OFC OF INSULAR AFFAIRS	John Morton	Office of the Vice President for Community Colleges	TAP-UH-PBCP-2013-10 Technical Assistance Program AAPI Internship Program	The American Affiliated Pacific Islands (AAPI) Internship Program will recruit top graduate and undergraduate students (preferably from the AAPI) to work as interns to support the University of Hawaii Pacific Business Center Program (PBCP) in providing economic development technical assistance to private sector entrepreneurs and businesses and government agencies and NGOs in the American Affiliated Pacific Islands (American Samoa, Commonwealth of the Northern Mariana Islands, Federated States of Micronesia, Guam, Marshall Islands, Palau).	1	300,000
INTERIOR, DEPT-FISH & WILDLIFE SVC	Kenneth Kaneshiro	Pacific Biosciences Research Center	Supporting the Activities of the Hawaii Conservation Alliance (HCA)	This agreement is being implemented in order to support the activities of the Hawaii Conservation Alliance. The objective is to support the HCA in its efforts to promote the knowledge and understanding of critical conservation issues in Hawaii.	1	27,000

**ED-Dept of Education**

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Catherine Bio	Chancellor, UH Maui College	Maui County Educational Opportunity Center	Provide college access services-career exploration, college and financial aid information and application assistance to predominantly low-income, first generation Maui County residents.	1	404,659
EDUCATION, DEPT-FED	Clyde M. Sakamoto	Chancellor, UH Maui College	Liko Ae IV Native Hawaiian Leadership	The Liko Ae Native Hawaiian Scholarship Program has a two-fold mission: To support Native Hawaiian students entry into and completion of a program of higher education, and to sustain the cycle of improvement among Native Hawaiians through education. This proposal seeks to expand the strategies and innovations Liko Ae has found effective since its first project and to compliment them with broader and earlier community support, outreach, and replication capabilities.	1	1,526,838
EDUCATION, DEPT-FED	Hugh Howard Dunn	Curriculum Research and Development Group	Piha Pono: A Robust RTI Approach Integrating Reading, Mathematics and Behavior Supports	The Curriculum Research & Development Group will develop, implement, and evaluate a Response to Intervention curricular approach integrating reading, mathematics, and behavior supports in 10 Hawaii elementary schools through a collaboration with the Hawaii Department of Education and by partnering with a Native Hawaiian Education Program grant.	1	986,190
EDUCATION, DEPT-FED	James Mellon	Vice Chancellor for Student Affairs	Navigating the Success of Pacific Islanders	The project aims to facilitate and improve the success of Pacific Islanders through two major activities: 1) Developing and implementing a comprehensive, culturally informed student support program designed to strengthen student learning, engagement, and success, and 2) Conducting and disseminating research into best practices for facilitating their success	1	399,327

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Jamie Kamilani Boyd	Chancellor, Windward Community College	Windward Community College CNA to LPN to RN Pathway to Nursing	Windward Community College will expand its Pathway Out of Poverty program, developed in 2007 to support disadvantaged Native Hawaiian students from Nurse Aide to Licensed Practical Nurse to Registered Nurse. The curriculum emphasizes Native Hawaiian traditions and language, fosters cultural pride, and promotes healthy-living behaviors, while improving college enrollment rates, income-earning capacity, and long-term socioeconomic stability of high-need students, young adults, and their families.	1	186,158
EDUCATION, DEPT-FED	Jean Johnson	Center on Disability Studies/University Affiliated Pgms	Hawaii Preschool Positive Engagement Project (HPPEP)	The project aims for 1) Sustained improvements in early learning outcomes, 2) Strengthened protective factors for families and children, and 3) Increased and sustained employment of teachers and staff in the Early Education field.	1	529,987
EDUCATION, DEPT-FED	Joshua Kaakua	College of Engineering	Kaiaulu STEM: Advancing Native Hawaiian Achievement, Leadership, and Career Pathways in Science, Technology, Engineering, and Mathematics	Outreach, scholarship, and student support program for Native Hawaiian pre-college, community college, undergraduate, and graduate students in the fields of Science, Technology, Engineering, and Mathematics.	1	705,486
EDUCATION, DEPT-FED	Kay Fukuda	Student Equity Excel & Diversity	PALS (Program for Afterschool Literacy Support) 2012-2015		1	1,137,154
EDUCATION, DEPT-FED	Kay Fukuda	Student Equity Excel & Diversity	Place-Based Learning and Community Engagement in School (PLACES)	The project will improve the academic achievement and school engagement of over 500 students from Waianae Elementary School through the implementation and evaluation of place-and culture-based curriculum that addresses reading, science, and social studies; the provision of ongoing professional development of teachers; and the involvement of key community organizations.	1	835,883

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Kelly Drew Roberts	Center on Disability Studies/University Affiliated Pgms	Growing Pono Schools (GPS)	The goal of Growing Pono Schools (GPS) is to improve the academic outcomes of NH youth and participating school climates. This will be accomplished through the development, implementation, and evaluation of an advisory and character education curriculum, supported by the development of a video production guild, for use with elementary, middle/junior high, and high school students.	1	492,210
EDUCATION, DEPT-FED	Kiriko Takahashi	Center on Disability Studies/University Affiliated Pgms	Ka Pilina: Achieving & Improving Mathematics Outcomes by Bringing Secondary & College Students Together to Reach Postsec Education (AIM Together)	attached in package	1	505,058
EDUCATION, DEPT-FED	Leon Richards	Chancellor, Kapiolani Community College	Title III, Strengthening a New Ecology of Engaged Teaching and Learning for student Success	Title III developmental grant to develop, assess and improve pathways to success in student services and academic programs.	1	80,000
EDUCATION, DEPT-FED	Linda Johnsrud	Office of the VP for Academic Planning and Policy	2013-14 College Access Challenge Grant Program - Hawaii		1	1,423,500
EDUCATION, DEPT-FED	Lois Yamauchi	Department of Educational Psychology	Mohala Na Pua	The project will (a) promote scientific thinking and access to science education among young Hawaiians, (b) provide high quality professional development to early childhood educators serving Hawaiian children in prekindergarten and Grade K-1, and (c) study what promotes preschool and elementary teachers collaborating to promote Hawaiian children's transition to kindergarten.	1	272,534
EDUCATION, DEPT-FED	Louise Pagotto	Arts and Sciences Academic Program	Strengthening the CORE (Center on Responsive Education)	Strengthening the CORE is a program improvement project that will develop within the College's new ecology of learning for CORE students.	1	150,000
EDUCATION, DEPT-FED	Mary Jo Noonan	Department of Special Education	Pacific Region Special Education Leadership Training Project	This training grant will prepare six doctoral scholars with expertise in evidence-based practices, universal design for learning, multiculturalism, and distance personnel preparation. They will have the necessary expertise to prepare special education teachers for high-need areas in Hawaii and the Pacific region.	1	299,937

**Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Norma Jean H Stodden	Center on Disability Studies/University Affiliated Pgms	Kakau Mea Nui (Writing Matters) Project	The purpose of the proposed Kakau mea nui (Writing Matters) Project is to change teachers' attitudes, knowledge, and skills for teaching writing, thus impacting upon NH students writing proficiency.	1	460,298
EDUCATION, DEPT-FED	Robert A Stodden	Center on Disability Studies/University Affiliated Pgms	Hawaii Transition/Dual Enrollment with Individualized Supports Model for Students with Intellectual Disabilities	A demonstration model project for students with intellectual disabilities which provides individualized supports and services for academic and social inclusion in all aspects of postsecondary education, including opportunities for academic enrichment, socialization, independent living and work skills that lead to gainful work.	1	358,063
EDUCATION, DEPT-FED	Shirley Daniel	Shidler College of Business	CIBER 2010-14: Promoting US Competitiveness through Enhanced Collaboration, Communication, and Trade in the Asia Pacific Region	Promoting US Competitiveness through Enhanced Collaboration, Communication, and Trade in the Asia Pacific region.	1	168,886
EDUCATION, DEPT-FED OFC OF SPECIAL ED & REHAB SVCS	Amelia Jenkins	College of Education	Project Laulima	Revise and improve existing special/elementary education teacher preparation program by merging standards-based coursework, enhanced clinical experiences, and training in evidence-based practices.	1	299,075
EDUCATION, DEPT-FED OFC OF SPECIAL ED & REHAB SVCS	Kelly Roberts	Center on Disability Studies/University Affiliated Pgms	Hawaii and Pacific Deaf-Blind Consortium (HPDBC)		1	169,490

**Federal Agencies**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
JUSTICE, DEPT-OFFICE JUSTICE PROG	Aviam Soifer	William S. Richardson School of Law	The Hawaii Innocence Project		1	316,417

**Foreign**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
GUAM, GOVERNMENT - Public Health and Social Services	Norman Okamura	Social Science Research Institute	GDPHSS-MEDICAID-CA-002 Work Task Letter between the Guam Department of Public Health and Social Services and UH TASI	Work Task Letter between the Guam Department of Public Health and Social Services Guam State Medicaid Agency and the University of Hawaii Telecommunications and	1	347,930

**Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				Social Informatics Research Program		

**Hawaii- Business and Other**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
MAUI COUNTY COMMUNITY TELEVISION	Clyde M. Sakamoto	Chancellor, UH Maui College	MCTV Educational Access Activities, Responsibilities, Services For Higher Education - Channel 55 (MCTV) Services and Activities	University of Hawaii Maui College (UHMC) operates, maintains, creates programming and manages the broadcast/cablecast operations of MCTV, Cable 55. Channel operations are headquartered within the Kaaie Building on the Kahului campus. Operations are coordinated by The Media Center. The channel is operated 24/7/365.	1	77,048
Pulama Lanai	Clyde Sakamoto	Chancellor, UH Maui College	Pulama Lanai Performance Metrics Phase I	Through a broad network of current and prospective partners sensitized to the direction of Pulama Lanai, UHMC proposes to offer the breadth of education needed for a sustainable economy, society, and environment at a scale that aligns with near and long term challenges.	1	499,384

**Hawaii- Dept of Education**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-HI	Susan Saka	Curriculum Research and Development Group	To Coordinate and Administer The Hawaii Youth Risk Behavioral Study	Coordinate all aspects of the Hawaii public high school Youth Risk Behavior Survey (YRBS) administration including technical assistance to school selected for the administration, prepare secondary analysis and reports of the results generated by the Centers for Disease Control and Prevention of the 2011 high school YRBS.	1	55,000
EDUCATION, DEPT-HI	Thanh Truc Nguyen	Curriculum Research and Development Group	Academy for 21st Century Education (ACE21) and Run Book Project		1	600,000

**Hawaii- Government Agencies**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH, DEPT-ALCOHOL	Grace Fong	Center on the Family	Hawaii Information System for Substance	Oversee implementation of web-based HISSAP	1	199,656

**Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
& DRUG ABUSE DIV-HI			Abuse Prevention Project	data collection, management, and reporting system as part of DOH-ADAD's implementation of its Substance Abuse Prevention Infrastructure Work Plan.		
HEALTH, DEPT-DEVELOPMENTAL DC-HI	Nathan M Murata	Department of Kinesiology and Rehabilitation Science	Conduct Research Study on Concussion Management	Concussion Management Protocol for Interscholastic Student/Athletes in Hawaii High Schools, Year 3	1	443,380
HUMAN SERVICES, DEPT-HI	Faye Kimura	William S. Richardson School of Law	Child Welfare Training Project		1	275,872
JUDICIARY-HI	Faye Kimura	William S. Richardson School of Law	MOA UH Law School and the State Judiciary		1	25,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Core Support for Coordinating Group on Alien Pest Species (CGAPS) Project	Supporting the Coordinating Group on Alien Species whose aim is to engage in inter/intra agency communication and educating and raising awareness of invasive species issues in the State.	1	20,000

**Hawaii- Health Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAII HEALTH SYSTEMS CORPORATION	Merle Kataoka-yahiro	Department of Nursing	Hawaii Health Systems Corporation Statewide Palliative and Hospice Care (S-PHC) Training Program		1	51,002
KUAKINI MEDICAL CENTER	Susan Steinemann	Department of Surgery	Reimbursement Agreement Fiscal Year 2014 - Agreement No. SF14-KUA-SURG	Agreement to provide medical education to students and residents in a clinical setting.	1	716,799
QUEENS HEALTH SYSTEMS	Elizabeth Tam	Department of Medicine	Reimbursement Agreement Fiscal Year 2014 - Agreement No. SF14 QEC MED	Agreement to provide medical education to students and residents in a clinical setting.	1	88,150
QUEENS HEALTH SYSTEMS	Elizabeth Tam	Department of Medicine	Reimbursement Agreement Fiscal Year 2014 - Agreement No. SF14 QELC MED	Agreement to provide medical education to students and residents in a clinical setting.	1	649,580
QUEENS HEALTH SYSTEMS	Elizabeth Tam	Department of Medicine	Reimbursement Agreement Fiscal Year 2014 - Agreement No. SF14 QMC MED	Agreement to provide medical education to students and residents in a clinical setting.	1	102,199
QUEENS HEALTH SYSTEMS	Kenneth Nakamura	Department of Pediatrics	Reimbursement Agreement Fiscal Year 2014 - Agreement No SF14 QMC PEDS	Agreement to provide medical education to students and residents in a clinical setting.	1	165,817
QUEENS HEALTH SYSTEMS	Susan Steinemann	Department of Surgery	Reimbursement Agreement Fiscal Year 2014 - Agreement No SF14 QMC SURG ORTHO	Agreement to provide medical education to students and residents in a clinical setting.	1	452,163



**Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
QUEENS HEALTH SYSTEMS	Susan Steinemann	Department of Surgery	Reimbursement Agreement Fiscal Year 2014 - Agreement No. SF14 QEC SURG	Agreement to provide medical education to students and residents in a clinical setting.	1	365,520
QUEENS HEALTH SYSTEMS	Susan Steinemann	Department of Surgery	Reimbursement Agreement Fiscal Year 2014 - Agreement No. SF14 QMC SURG	Agreement to provide medical education to students and residents in a clinical setting.	1	292,240
QUEENS HEALTH SYSTEMS	Susan Steinemann	Department of Surgery	Reimbursement Agreement Fiscal Year 2014 - Agreement No. SF14 QMC SURG URO	Agreement to provide medical education to students and residents in a clinical setting.	1	101,063

**Hawaii- Non-Profit Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hanalani Schools	Iris Kimura	Department of Kinesiology and Rehabilitation Science	University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program - Hanalani Schools		1	54,859
KOKUA KALIHI VALLEY	Dina Shek	William S. Richardson School of Law	Medical Legal Partnership KKV - Health Law Partners	Additional \$25K will be used to support the efforts of the KKV project with support for a post JD fellow outreach activities, office supply and travel support for the program.	1	12,400
OLELO	Hae Okimoto	Office of the VP for Information Tech/Chief Info Officer	University of Hawaii - Supplemental Projects 2010	Produce course and programs for public access channel, Oceanic 55.	1	584,210
UNIVERSITY HAWAII FOUNDATION	Catherine Chan-Halbrendt	Natural Resources and Environmental Mgt	Hauoli Mau Loa Graduate Assistantships	Hauoli Mau Loa GA To provide 3 graduate assistantships to students pursuing masters degree at UHM/CTAHR/NREM.	1	156,900
UNIVERSITY HAWAII FOUNDATION	Denise Konan	College of Social Sciences	Myungji Yang (Salary Funding)		1	103,831
UNIVERSITY HAWAII FOUNDATION	Laurence James Paxton	Music (UH Manoa)	Nancy Gustafsson-Rittenband & Victor Rittenband Endowment for Hawaiian Music	Funding for lecturer salaries and fringe to teach Hawaiian Music.	1	6,169

**Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
UNIVERSITY HAWAII FOUNDATION	Ramona Kincaid	Instructional Services (Academic Affairs)	The Wai'ale'ale Project at Kaua'i Community College: Scholarship and Student Support Coordinator	KS funds will be used to to hire a full-time assistant program coordinator to help the program coordinator in performing his administrative, fiscal, and reporting duties. Additionally, the assistant program coordinator will play a key role in ensuring that 60 Native Hawaiian students in the Wai'ale'ale Scholarship Program receive the academic and other supports they need to successfully complete their first year.	1	55,982

**Mainland- Health Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Children's Hospital of Philadelphia	Robert Wilkinson	Clinical Sciences	AALL07P1: Phase II Trial of Bortezomib (PS-341, Velcade IND 58,443) in Combo with Intensive Re-Induction Therapy for Children with Relapsed ALL & LL	UH will be conducting cooperative cancer trials for pediatric patients, under protocol COG AALL07P1	1	11,800
Children's Hospital of Philadelphia	Robert Wilkinson	Clinical Sciences	ANHL1131: Intergroup Trial for Children or Adolescents with B-Cell NHL or B-AL: Evaluation of Rituximab Efficacy and Safety in High Risk Patients	UH will be conducting cooperative cancer trials for pediatric patients, under protocol COG ANHL1131	1	15,400
Children's Hospital of Philadelphia	Robert Wilkinson	Clinical Sciences	Study: CA180-372: PH II Pediatric - Ph+ ALL	UH will be conducting cooperative cancer trials for pediatric patients, under protocol COG AALL1122.	1	27,500

**Mainland- Non-Profit Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INSTITUTE INTERNATIONAL EDUCATION	Robert Bley-vroman	College of Language, Linguistics and Literature	Hawaii Language Roadmap Initiative		1	63,346
USA Funds	Catherine Bio	Student Affairs (UH Maui College)	UH Maui College Debt and Default Initiative	The purpose of the capacity grant is address the student loan default rate at UHMC. The grant will allow us to temporarily hire a fulltime staff member to review our current default strategies and design a sustainable default management program.	1	51,754

**National Aeronautics and Space Administration**

**Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Luke Flynn	Hawaii Institute of Geophysics and Planetology (HIGP)	The Hawaii NASA EPSCoR Research Infrastructure Development Program	The proposal addresses the broad objectives of the 2012 Hawaii EPSCoR Report entitled, Sustaining and Improving Quality of Life for a Prosperous Hawaii: A Statewide Framework for Science and Technology. The four objectives are (1) Strengthen Hawaii's talent pool in science and technology, (2) Foster synergies between Hawaii's science and technology businesses and institutions, (3) Advance science and technology for a healthy and sustainable state, and (4) Invest in science and technology infrastructure for research and innovation.	1	125,000
NATIONAL AERONAUT & SPACE ADM	Luke Flynn	Hawaii Institute of Geophysics and Planetology (HIGP)	The Hawaii Space Grant Consortium: 2011 Augmentation Proposal	The proposed effort outlines strategies and intended goals for the 2nd year of the Hawaii Space Grant Consortium's 5-year plan. The purpose is to align our objectives with NASA's strategic goals and continue to support NASA science education and workforce development activities.	1	575,000
NATIONAL AERONAUT & SPACE ADM	Nicholas Kaiser	Institute for Astronomy	Augmentation of the Pan-STARRS NEO Detection and Characterization System		1	1,750,000

**National Science Foundation**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Andrea Berez	College of Language, Linguistics and Literature	Workshop Proposal: Master Class Series at the 3rd International Conference on Language Documentation and Conservation	Requesting funds for specific items associated with the 3rd ICLDC in early 2013: (i) a series of Master Class workshops including facility rental, instructor travel costs, printing costs, and coffee breaks; (ii) travel and lodging for 1 plenary speaker; (iii) travel and lodging for six graduate students or non academic community language workers to attend the conference.	1	4,574
NATIONAL SCIENCE FOUNDATION	Clyde M. Sakamoto	Chancellor, UH Maui College	Akeakamai I Ka La Hiki Ola: Scientific Exploration Beneath The Life-Bringing Sun (NSF ATST Mitigation Plan)	UHMC and its collaborators are committed to uncovering the paths to elevate Native Hawaiians to STEM careers and leadership roles through opportunities provided by the ATST.	1	2,000,000

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Donald Straney	Chancellor, UH Hilo	Exploring Diversity and Gender Equity (EDGE) at UH Hilo	We will investigate UH Hilo's recruitment, hiring, and promotion policies and procedures with respect to gender-based issues in order to prepare an action plan for a future Institutional Transformation project through NSF. This will involve surveys, focus groups, and analysis of existing policies and their implementation.	1	79,983
NATIONAL SCIENCE FOUNDATION	James Gaines	Office of the Vice President for Research	IMUA III:Pacific High Island Evolutionary Biogeography:Impacts of Invasive Species, Anthropogenic Activity and Climate Change on Hawaiian FocalSpecies	This capacity building proposal will enhance our science and technology capabilities for understanding and predicting how invasive species, anthropogenic activities and climate change impact the biodiversity, ecosystem function and current or potential human use of Hawaiian focal species and includes education, outreach and workforce components.	1	4,000,000

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Magdy Iskander	Hawaii Center for Advanced Communications	US-Egypt workshop on Industry/University Collaborative Research	<p>The objective of the proposed workshop is to bring together researchers and colleagues from industry and academia to discuss in an open forum avenues to stimulate, promote, and support effective collaborative research partnerships that not only result in significant research outcomes but also to technology transfer, commercialization, job creation and broader benefits to the community. To this end, invited paper and plenary presentations describing the overarching issues in establishing industry/academia collaborative research will be scheduled, opportunities and available NSF programs for joint funding will be described, and avenues towards establishing partnerships and start-ups will be described. To help focus the discussion, opportunities in two specific research areas including wireless communications and electronic design and packaging technologies will be described and used as representative examples of avenues and procedures for establishing successful industry/university collaborative research activities and centers. Researchers and leading professional colleagues from academia and industry will be invited to present research results and discuss views on the broader topic of industry/university collaborative research. Technical sessions will be organized and ample opportunities, in the form of panel discussion sessions, will be scheduled to provide open forums for discussing opportunities and specific challenges in establishing productive and mutually beneficial relationships</p>	1	90,000

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				<p>between universities and industry. Intellectual property issues, avenues/barriers towards commercialization, procedures for startups, and available NSF/Egypt programs for international collaborations in engineering research and education will be presented in sessions and discussed in organized panels. The requested funds will be used to support travel expenses to Alexandria, Egypt, for up to 15 US participants in this three-day workshop.</p>		

**US Colleges and Universities**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CALIFORNIA DAVIS, UNIVERSITY OF	Anne Alvarez	Plant and Environmental Protection Sciences	Western Regional Center in the National Plant Diagnostic Network	<p>The WPDN is comprised of plant pest and pathogen detection specialists in the ten-state western region of the United States including U.S. territories in the Pacific. States and territories are represented by plant pathologists, entomologists, and weed specialists at their respective land grant universities (LGU's) and/or state departments of agriculture (SDA). The WPDN also works closely with specialists in the allied disciplines of plant pathology, entomology and weed science associated with other state and federal agencies. As the region covered by WPDN is perhaps the most diverse in the nation with respect to climate and agricultural, nursery and forest production systems, a network structure was created that is comprised of three sub-regional expert/sentinel laboratories working together when necessary with the various triage laboratories at LGU's and state departments in the individual states and territories. The three expert laboratories-- California Department of Food and Agriculture (CDFA, Sacramento, also serves as WPDN Regional Center lab), Oregon State University (Corvallis), and University of Hawaii/Hawaii Department of Agriculture</p>	1	35,503

Gift, Grants, and Contracts for Sep 1, 2013 to Sep 30, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				(Honolulu)--are supported so that they have capabilities to handle most or all types of samples and can conduct collaborative diagnostics with other member laboratories.		
UTAH STATE UNIVERSITY	Ethel Villalobos	Plant and Environmental Protection Sciences	Pollinator Use and Management: Training in Sustainable Practices for Ag Professionals		1	31,097
<b>Non-Research - Total</b>					<b>81</b>	<b>36,936,999</b>
<b>Overall - Total</b>					<b>225</b>	<b>89,094,781</b>

## Funds Received from UH Foundation for Sep 1, 2013 to Sep 30, 2013

### Non-Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Catherine Chan-Halbrend	Natural Resources and Environmental Mgt	Hauoli Mau Loa Graduate Assistantships	Hauoli Mau Loa GA To provide 3 graduate assistantships to students pursuing masters degree at UHM/CTAHR/NREM.	1	156,900
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Denise Konan	College of Social Sciences	Myungji Yang (Salary Funding)		1	103,831
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Laurence James Paxton	Music (UH Manoa)	Nancy Gustafsson-Rittenband & Victor Rittenband Endowment for Hawaiian Music	Funding for lecturer salaries and fringe to teach Hawaiian Music.	1	6,169
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Ramona Kincaid	Instructional Services (Academic Affairs)	The Wai'ale'ale Project at Kaua'i Community College: Scholarship and Student Support Coordinator	KS funds will be used to to hire a full-time assistant program coordinator to help the program coordinator in performing his administrative, fiscal, and reporting duties. Additionally, the assistant program coordinator will play a key role in ensuring that 60 Native Hawaiian students in the Wai'ale'ale Scholarship Program receive the academic and other supports they need to successfully complete their first year.	1	55,982
<b>Overall - Total</b>						<b>4</b>	<b>322,882</b>



**Extramural Research Awards for the Month  
Sep 1, 2013 to Sep 30, 2013  
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	15	7,398,991	14%
DHHS-Dept of Health and Human Services	13	12,888,885	25%
DOC-Dept of Commerce	21	9,272,848	18%
DOD-Department of Defense	5	3,722,598	7%
DOE-Dept of Energy	3	365,331	1%
DOI-Dept of Interior	17	1,470,533	3%
ED-Dept of Education	1	467,285	1%
Federal Agencies	5	2,483,429	5%
Foreign	3	200,686	0%
Hawaii- Business and Other	2	129,797	0%
Hawaii- Government Agencies	12	710,128	1%
Mainland- Business and Other	6	508,001	1%
Mainland- Health Organizations	2	53,000	0%
Mainland- Non-Profit Organizations	3	244,850	0%
National Aeronautics and Space Administration	9	1,716,500	3%
National Science Foundation	20	9,381,236	18%
US Colleges and Universities	7	1,143,684	2%
<b>Overall - Total</b>	<b>144</b>	<b>52,157,782</b>	<b>100%</b>

**Extramural Non-Research Awards for the Month of  
Sep 1, 2013 to Sep 30, 2013  
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	6	1,585,555	4%
DHHS-Dept of Health and Human Services	4	7,058,634	19%
DOC-Dept of Commerce	2	224,941	1%
DOD-Department of Defense	3	670,608	2%
DOI-Dept of Interior	2	327,000	1%
ED-Dept of Education	21	11,390,733	31%
Federal Agencies	1	316,417	1%
Foreign	1	347,930	1%
Hawaii- Business and Other	2	576,432	2%
Hawaii- Dept of Education	2	655,000	2%
Hawaii- Government Agencies	5	963,908	3%
Hawaii- Health Organizations	10	2,984,533	8%
Hawaii- Non-Profit Organizations	7	974,351	3%
Mainland- Health Organizations	3	54,700	0%
Mainland- Non-Profit Organizations	2	115,100	0%
National Aeronautics and Space Administration	3	2,450,000	7%
National Science Foundation	5	6,174,557	17%
US Colleges and Universities	2	66,600	0%
<b>Overall - Total</b>	<b>81</b>	<b>36,936,999</b>	<b>100%</b>

**Year to Date Extramural Research Awards  
Jul 1, 2013 to Sep 30, 2013  
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	18	7,535,136	8%
Dept of State	1	750,000	1%
DHHS-Dept of Health and Human Services	35	20,343,026	22%
DOC-Dept of Commerce	44	14,795,945	16%
DOD-Department of Defense	17	8,999,548	10%
DOE-Dept of Energy	7	2,691,332	3%
DOI-Dept of Interior	23	2,330,909	3%
ED-Dept of Education	1	467,285	1%
Federal Agencies	6	2,524,429	3%
Foreign	8	2,705,491	3%
Hawaii- Business and Other	4	219,618	0%
Hawaii- Government Agencies	35	3,462,028	4%
Hawaii- Non-Profit Organizations	14	668,747	1%
Mainland- Business and Other	15	980,431	1%
Mainland- Health Organizations	2	53,000	0%
Mainland- Non-Profit Organizations	11	503,826	1%
National Aeronautics and Space Administration	26	6,445,668	7%
National Science Foundation	47	15,433,339	17%
US Colleges and Universities	16	1,662,953	2%
<b>Overall - Total</b>	<b>330</b>	<b>92,572,711</b>	<b>100%</b>

**Year to Date Extramural Non-Research Awards  
Jul 1, 2013 to Sep 30, 2013  
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	10	1,752,705	2%
DHHS-Dept of Health and Human Services	22	12,333,834	17%
DOC-Dept of Commerce	6	2,546,868	3%
DOD-Department of Defense	4	920,608	1%
DOI-Dept of Interior	6	401,822	1%
ED-Dept of Education	44	22,730,520	31%
Federal Agencies	5	350,431	0%
Foreign	6	1,053,810	1%
Hawaii- Business and Other	4	929,940	1%
Hawaii- Dept of Education	4	2,885,000	4%
Hawaii- Government Agencies	29	4,610,543	6%
Hawaii- Health Organizations	16	6,549,873	9%
Hawaii- Non-Profit Organizations	34	2,444,863	3%
Mainland- Business and Other	6	1,347,724	2%
Mainland- Health Organizations	3	54,700	0%
Mainland- Non-Profit Organizations	13	1,250,895	2%
National Aeronautics and Space Administration	5	2,545,540	3%
National Science Foundation	15	9,051,729	12%
US Colleges and Universities	4	132,525	0%
<b>Overall - Total</b>	<b>236</b>	<b>73,893,930</b>	<b>100%</b>