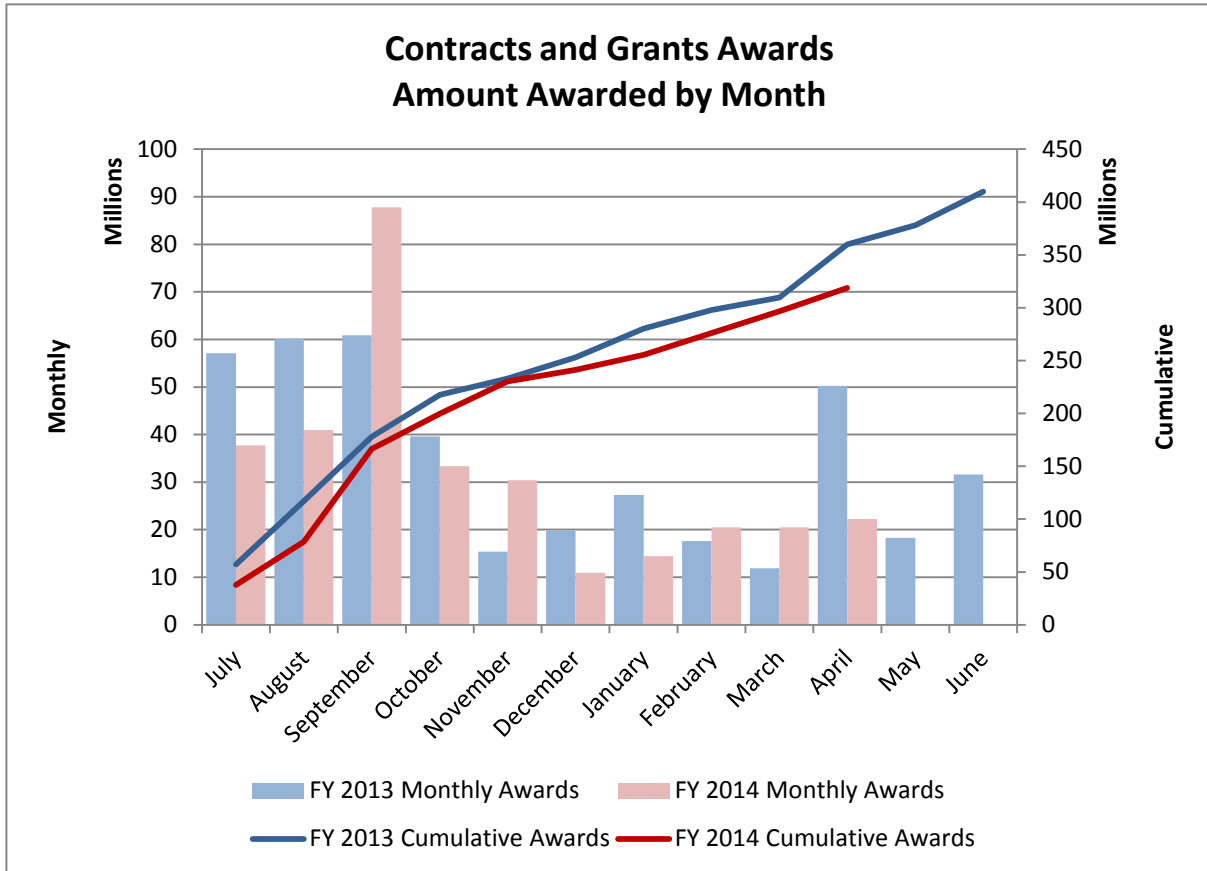
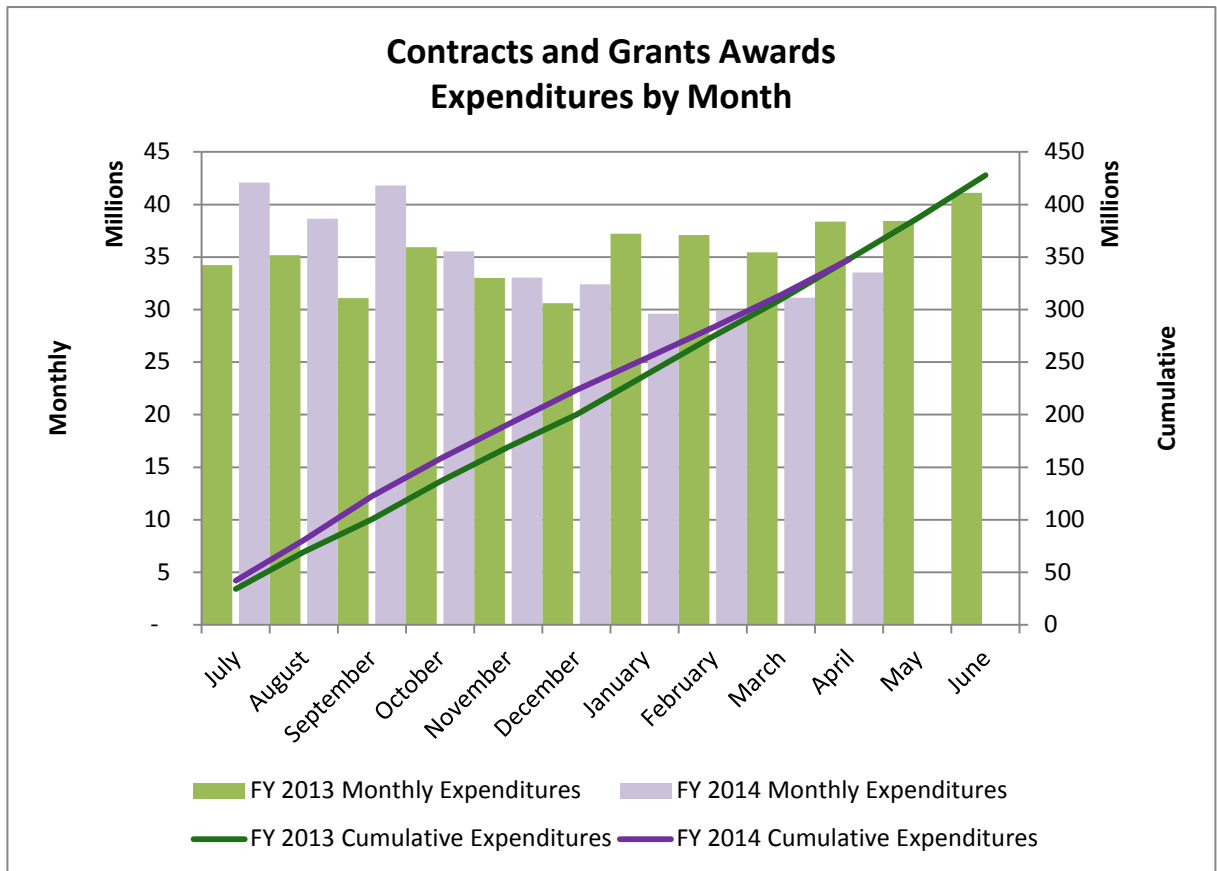


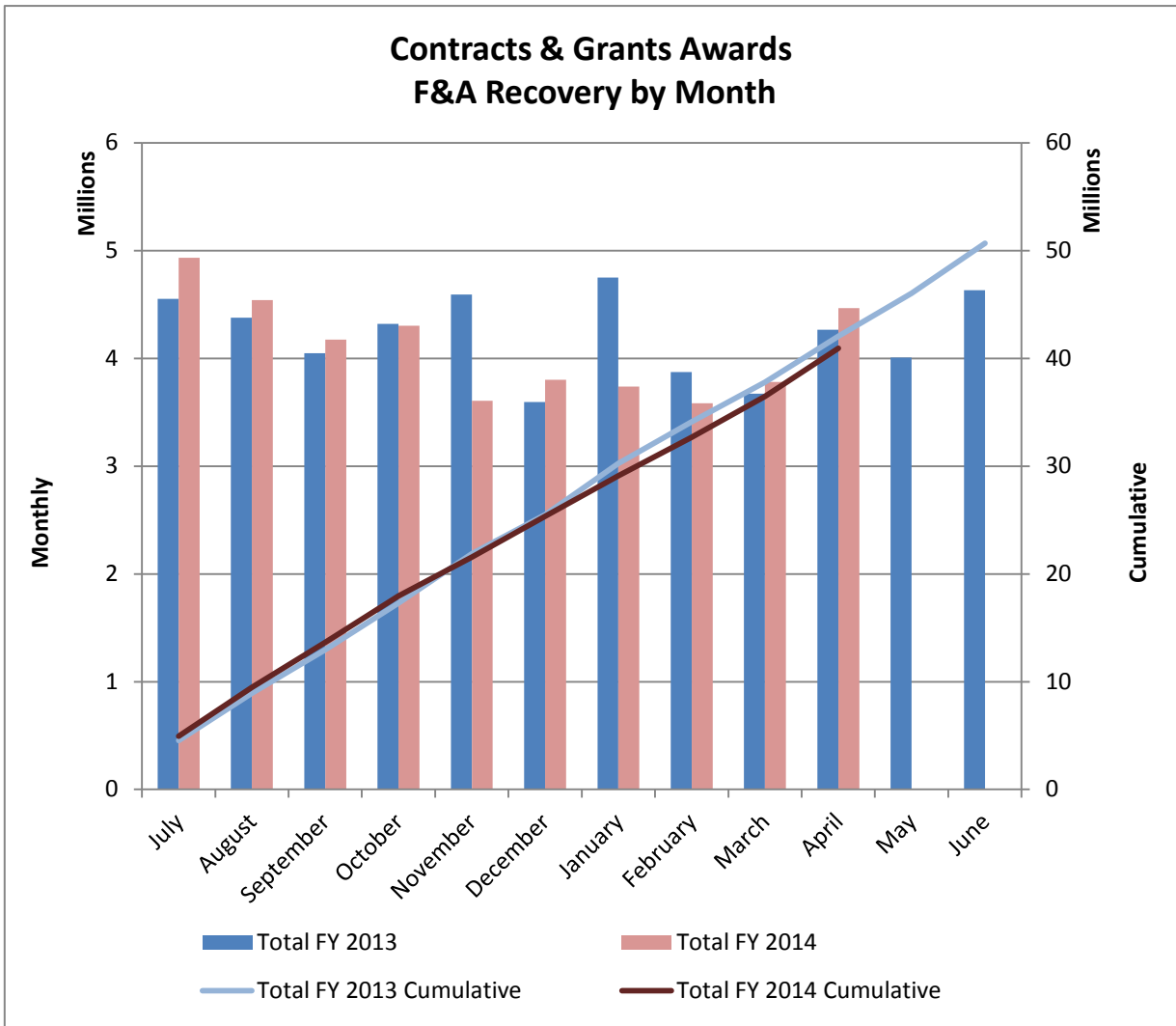
Contracts and Grants Awards
As of April 30, 2014



Contracts and Grants – Expenditures
As of April 30, 2014



Contracts and Grants Awards – F&A Recovery
As of April 30, 2014



Extramural Sponsor Awards Monthly Summary

<u>Program Type</u>	<u>Apr 30, 2014</u>		<u>Apr 30, 2013</u>	
	<u>Count</u>	<u>Amount</u>	<u>Count</u>	<u>Amount</u>
Non-Research	34	\$4,546,210	57	\$11,102,451
Research	97	\$18,143,846	90	\$39,776,948
<u>Total</u>	<u>131</u>	<u>\$22,690,056</u>	<u>147</u>	<u>\$50,879,399</u>

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: \$359,887,336

The unofficial FY 2014 year-to-date total is: \$318,810,822

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Research

DA-Dept of Agriculture

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-NATL INS FOOD AND AGRICULTURE	Koon-hui Wang	Plant and Environmental Protection Sciences	Center of Rural Agriculture Training for Entrepreneurship (CRATE) for the Pacific	<p>This is a standard integrated project for Agriculture Economics and Rural Communities (Priority A1601 for Small and Medium-Size Farms). We are proposing to develop a Center of Rural Agriculture Training for Entrepreneurship (CRATE) program in Hawaii and other Pacific islands. The overall goal is to help rural farmers to explore competitive and economically viable organic crop production methods that can qualified for food safety certification. We choose to work with: cover cropping, vermicomposting, aquaponic production and natural farming. Specific objectives are to:</p> <ol style="list-style-type: none"> 1) develop plant health improvement techniques for soil and soilless farming system through efficient use of on farm resources, 2) conserve natural enemies of above and below ground agricultural pests through enhancement of biodiversity, 3) establish CRATE to train new farmers, undergraduate, 4-H, and native Hawaiian students, and 4) disseminate reduce, reuse, recycle water, high productivity per unit area and food safety concern type of farming approach through extension and outreach in Hawaii and other U.S. territories in the Pacific. <p>Outdoor training classrooms will be established at two experiment stations. We will conduct research to develop 1) tropical cover crop calculator to assist farmers in reducing fertilizer inputs, and 2) IPM strategies that integrate insectary plants with reduced risk insecticides and induced host plant resistance by compost tea. Our extension program emphasize on food safety for organic crop production. We will conduct survey to determine consumer preference for organic farming practices and marketing channels.</p>	1	489,094

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				Our team is composed of entomologist, horticulturists, aquaponic specialists, extension agents, and ag-economists.		
AGRICULTURE, DEPT-NATL INS FOOD AND AGRICULTURE	PingSun Leung	Natural Resources and Environmental Mgt	Economics of Increasing Food Localization: An Integrated Aggregated Supply and Demand Model for Policy Evaluation in Hawaii		1	345,272

Dept of State

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
STATE, DEPT-US AGENCY INTL DEV-FED USAID	David Lassner	Pacific Disaster Center	InAWARE: Disaster Management Early Warning and Decision Support Capacity Enhancement within Indonesia's BNPB and BPBD	The Research Project aims improve early warning and disaster management decision making outcomes through enhanced capacity within national and provincial disaster management agencies in Indonesia.	1	836,534

DHHS-Dept of Health and Human Services

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-NIH-FED	Wei-Kung Wang	Department of Tropical Medicine, Medical Micro and Pharm	Mature virus-like particles as a new strategy for dengue virus vaccines	We propose to study if mature dengue virus-like particles can modulate immunodominance and induce potent neutralizing antibodies without cross-reactive, weakly or non-neutralizing antibodies and provide protection in murine models. The proposed research has implications for a safe and effective dengue virus vaccine.	1	303,500
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Joe Ramos	Natural Products	Regulation of Tumor Promotion by RasGRP1	Investigate the mechanisms of RasGRP1 participation in skin carcinogenesis and the cooperation with oncogenic Ras.	1	276,267
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	385,092

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CTR FOR RSCH RES	Robert Nichols	John A. Burns School of Medicine	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.	1	3,684,886
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL INST MIN HLTH & DISP	Joseph Keawe'aimoku Kaholokula	Department of Native Hawaiian Health	PILI Ohana Project: Partnership to Overcome Obesity Disparities in Hawaii	The Partnership for Improving Lifestyle Interventions (PILI) Ohana Project is a community academic research partnership to design and test the efficacy of a weight-loss maintain program for Native Hawaiians and other Pacific Peoples and to identify aspect of the partnership that foster a co-learning and co-equal environment.	1	458,379
HEALTH&HUMAN SVC,DEPT-NIH-FED NTL INST NEURO DIS&STROKE	Kalpana Tata	Hawaii Center for Aids Research	Intrinsic Functional Connectivity Changes Associated with Insular Atrophy in HIV	HIV-associated neurocognitive disorders (HAND) remain a public health concern despite effective therapy. We have preliminary data on vulnerable regions of brain cortex (such as insula) and on subcortical gray matter structures. Using neuroimaging, we will study functional and structural connections among these brain regions to clarify the mechanisms underlying HAND.	1	15,582

DOD-Department of Defense

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
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	3	1,612,374
DEFENSE, DEPT-AIR FORCE OFC OF SCI RSCH	Ralf I Kaiser	Department of Chemistry	Untangling the Energetics and Dynamics of Elementary Reactions of the Boron Monoxide Radical	We want to investigate radical reactions of BO in boron-based rocket propulsion systems	1	135,094
DEFENSE, DEPT-AIR FORCE SPACE & MISSILE SYS CTR	Luke Flynn	Hawaii Institute of Geophysics and Planetology (HIGP)	LEONIDAS: Low-Earth Orbit Nanosat- Integrated Defense Autonomous Systems	The LEONIDAS project will design, build, test, launch, and operate small spacecraft in low- Earth orbit	1	18,008

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Brian Powell	Department of Oceanography	Collaborative Proposal: Ocean Currents Forecasts Using Multi-model-Multi-scale Assimilation	Much of the complexity of numerical forecasting of the ocean is due to the existence of energy that interacts at differing temporal and spatial scales. Because ocean models are a discretized representation of the ocean, there are limits to the scales of the processes that can be resolved by the model. Data assimilation techniques are used to constrain ocean circulation models given observational data; however, the observations often capture dynamics that are not present in the discretized model. Large-scale processes, such as the tides and the atmospherically-forced eddying circulation, lose energy through a cascade from large scales to small, and sub-grid scale processes such as turbulent dissipation are accounted for by parameterizations in ocean models. Internal waves are ubiquitous in the ocean. They interact with each other through wave-wave interactions and bridge the gap in scale between ocean eddies (O(10000) m) and turbulent overturning (O(100) m). Internal tides---internal waves at tidal frequencies---and the atmospherically-forced eddying ocean circulation have typically been simulated separately in regional or global numerical models even though the energy contained in each is of similar magnitude [Arbic et al., 2012]. The goal of this proposal is to develop an assimilation capability that will permit multivariate assimilation of both \emph{in situ} (gliders, floats, buoys) and remotely sensed (SSH, SST, surface velocity) data into multiscale internal-tide-resolving simulations.	1	75,881
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Surface and Internal Wave Processes in the Coastal Zone of an Atoll Island		1	100,000
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Michael Hadfield	Pacific Biosciences Research Center	Multiple approaches for testing novel coatings in the laboratory and in Pearl Harbor, Hawaii, with emphasis on global, problem fouling invertebrates.		1	130,000

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Defense, Dept. - U.S. Army Research Office	Ralf Kaiser	Department of Chemistry	Untangling the Reaction Mechanisms Involved in the Decomposition of Model Compounds of Energetic Materials in the Condensed Phase	The primary objectives of this project are to explore experimentally the mechanisms involved in the decomposition of key model compounds of nitrohydrocarbon- (RNO ₂), nitramine- (RRN-NO ₂), and nitroester-based (RONO ₂) [R = CH ₃] energetic materials in the condensed phase (solid state) and to unravel the nature of the primary reaction products, among them carbon-, nitrogen-, and oxygen-centered radicals, which are formed in these processes.	1	47,354

DOE-Dept of Energy

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Energy, Dept. of - Basic Energy Sciences	Thomas Browder	Department of Physics and Astronomy	Research in High Energy Physics		1	1,605,000

Federal Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATL ENDOWMENT FOR THE HUMANITIES	Andrea Berez	Department of Linguistics	Making Pacific Language Materials Discoverable: Identifying and Describing Indigenous Languages in the University of Hawai'i at Manoa Pacific Collecti		1	122,317

Hawaii- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
'OHU'OHU KO'OLAU INC	Clifford Morden	Department of Botany	'Getting to Know the Ko'olaus' Community Conservation Project		1	17,714
GSI Pacific	Eric DeCarlo	Department of Oceanography	Marine Organism Storage/Processing Services: Supplemental Marine Resources Study		1	14,999
MALAMA KAHALAWAI INC	Clifford Morden	Department of Botany	West Maui Mountains Watershed WP14	Conduct ongoing natural resource management efforts in the West Maui Mountains.	1	138,578
PUNA GEOTHERMAL VENTURE	James Anderson	Chemistry (UH Hilo)	Geodetic Surveys at Kilauea Volcano		2	117,196

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
RESEARCH CORPORATION UNIV HI	Florence Thomas	Hawaii Institute of Marine Biology (HIMB)	Quantitative Ecology PMNM		1	23,584

Hawaii- Government Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-HI - HI ARMY NATL GUARD	David Duffy	Department of Botany	Long Thorn Kiawe Removal from Kekaha Firing Range, Kauai	Control the spread of Long Thorn Kiawe (<i>Prosopis juliflora</i>) from Kekaha Firing Range, Kauai.	1	21,000
HEALTH, DEPT-ALCOHOL & DRUG ABUSE DIV-HI	Sarah Yuan	Center on the Family	Hawaii Pathways Project Evaluation		1	19,850
HEALTH, DEPT-DEVELOPMENTAL DC-HI	Satoru Izutsu	John A. Burns School of Medicine	DOH Neurotrauma Registry 2012	Develop and administer an voluntary registry of Hawaii residents who have neurotrauma injuries.	1	118,165
LAND & NATURAL RES, DPT-AQUAT (DLNR)	Kim Holland	Hawaii Institute of Marine Biology (HIMB)	Deployment of FAD systems		1	39,710
LAND & NATURAL RES, DPT-FORST (DLNR)	Clifford Morden	Department of Botany	Koolau Mountains Watershed Partnership: Manana Invasive Plant Control	Attempt and assess a long-term containment effort for various high-threat invasive plants in the vicinity of Manana trail, O'ahu.	1	8,900
LAND & NATURAL RES, DPT-FORST (DLNR)	Clifford W. Morden	Department of Botany	Statewide Plant Conservation Program	Develop and coordinate integrated statewide plant conservation program across partner agencies.	1	79,700
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Alala Research, Recovery, and Management	Build community understanding and support for the restoration of the Alala or Hawaiian Crow back into the wild, including support for the necessary habitat management activities.	1	138,903
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Development of New Treatment Methods for Little Fire Ants	Investigate effective ant baits and ant bait alternatives to control the Little Fire Ant and other invasive ant species within high-value conservation areas.	1	110,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Forestry Management Section Liaison	Conduct research and development for forest and watershed management plans, mainly in office on Oahu.	1	66,060

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Natural Area Reserve Management: Natural Area Reserves Project Coordinator	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	60,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Project Support for the Snail Extinction Prevention Program	Establish and implement a snail extinction Prevention program to protect Hawaii's rare native snails from extinction.	1	81,510
LAND & NATURAL RESOURCES, DEPT (DLNR)	William Haines	Plant and Environmental Protection Sciences	Modeling distributions and assessing population boundaries for the Kamehameha butterfly (Vanessa tameamea)		1	18,897
LAND & NATURAL RESOURCES, DEPT (DLNR) ENGINEERING DIV	David Lassner	Pacific Disaster Center	DLNR ENGINEERING DIV DAM SAFETY CONSULTANT SERVICES	Provide various dam safety consultant services	1	50,000

Hawaii- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAII COMMUNITY FOUNDATION DANIEL K INOUE INSTITUTE FD	Denise Konan	College of Social Sciences	Daniel K Inouye Center Pre-design	Undertaking an oral history project, and a distinguished scholars initiative focusing on topics of national and international interest.	1	250,000
TRI-ISLE RES CONSERVATION & DEV COUNCIL	Clifford Morden	Department of Botany	Leeward Haleakala Watershed Protection and Restoration	Protect and restore prime watershed areas on the slopes of Leeward Haleakala, Maui.	1	89,954
TRI-ISLE RES CONSERVATION & DEV COUNCIL	David Duffy	Department of Botany	Lanai Hawaiian Petrel and Newell's Shearwater Restoration	Research and monitor endangered seabirds on Lanai.	1	39,319
UNIVERSITY HAWAII FOUNDATION	Eva Ponte	Institute for Teacher Education	Activating Educators Focus on Family Engagement as Central to Teaching (AFFECT)	The purpose of this research is to document the preparation and examine the implementation of family engagement (FE) elementary teacher professional development modules as part of the Activating Educators Focus on Family Engagement as Central to Teaching (AFFECT) project.	1	10,000
UNIVERSITY HAWAII FOUNDATION	R Ertekin	Department of Ocean and Resources Engineering	Offshore Mechanics and Arctic Engineering Research		1	38,892

Mainland- Business and Other

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AMERICA VIEW	Robert Wright	Hawaii Institute of Geophysics and Planetology (HIGP)	Stateview Program Development and Operations for the State of Hawaii		1	23,673
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.	1	60,000
BROOKHAVEN NATIONAL LABORATORY	Jelena Maricic	Department of Physics and Astronomy	Long Baseline Neutrino Experiment's Liquid Argon Far Detector	Evaluation and selection, design and fabrication of silicon photomultipliers for photon detection system.	1	20,000
Clear Environment LLC	Roger Babcock	Water Resources Research Center	Envirocycle: Performance of Residential Wastewater System		1	15,000
Northrop Grumman Corporation	Brendan Hermaly	Hawaii Institute of Geophysics and Planetology (HIGP)	HSFL Investigation and Development of a Novel 50mm Cube Satellite Payload Interface	HSFL Investigation and Development of a novel 50mm Cube Satellite Payload Interface.	1	25,000
Sierra Lobo Inc.	Richard E Rocheleau	Hawaii Natural Energy Institute (HNEI)	Development of Helium Recovery System for Rocket Test Systems	To investigate the feasibility of using proton exchange membrane fuel cell (PEMFC) technology in a novel application to purify helium gas by removing hydrogen.	1	22,500
SPACE TELESCOPE SCIENCE INSTITUTE	Bo Reipurth	Institute for Astronomy	The HH 24 Jet Complex: Collimated and Colliding Jets from a Newborn Multiple Stellar System		1	43,073
SPACE TELESCOPE SCIENCE INSTITUTE	David Tholen	Institute for Astronomy	Pluto Satellite Orbits in Support of New Horizons		1	13,354

Mainland- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CADES FOUNDATION (J RUSSELL/CHARLOTTE MCL)	Daniel Hartline	Pacific Biosciences Research Center	Support of Bioscience Research and Training at the Bekesy Laboratory	Support of training and basic biomedical research in molecular and cellular neurophysiology.	1	15,000

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Cancer Prevention Institute of California	Lynne Wilkens	Cancer Etiology	Obesogenic environment: impact on breast, colorectal, and prostate cancer risk	Obtain information on neighborhoods of ~82,000 African Americans and Latinos using geographic information systems technology. Investigate whether neighborhood characteristics related to obesity influence breast, colorectal, prostate cancer risk. Create data set including neighborhood and individual level data for MEC members, run analyses to determine which factors are associated with incidence.	1	35,975
CARNEGIE INSTITUTE WASHINGTON	Gary McMurtry	Department of Oceanography	Development of A Field Portable 3He/4He Stable Isotope Detector: A Novel Instrumental Approach for Quantitative Assessment of Magma Compositional Dynamics & Monitoring the Fluxes of Magmatic Volatiles		1	20,000
CARNEGIE INSTITUTE WASHINGTON	Przemyslaw Dera	Hawaii Institute of Geophysics and Planetology (HIGP)	From Compression Behavior of Molecular Forces to Factors Controlling Thermochemistry and Stability for Stockpile Materials	Within this project we propose to use a unique combination of experimental tools and techniques, including in situ single crystal diffraction, total scattering, Raman and optical absorption spectroscopy to study compression behavior of selected group of molecular energetic materials and their stable analogs at high pressure and temperature conditions, as well as products of their decomposition. A support for one graduate Ph.D. student (salary, benefits, travel expenses and some materials/supplies) are requested.	1	57,615
Conservation International - Hawaii Fish Trust	Kirsten Oleson	Natural Resources and Environmental Mgt	Value and Supply Chain Mapping		1	87,305
CONSORTIUM FOR OCEAN LEADERSHIP	Emilio Herrero-Bervera	Hawaii Institute of Geophysics and Planetology (HIGP)	IODP Expedition 347		1	31,985

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Michael J. Fox Foundation for Parkinson's Research	Nicholas James	Department of Cell and Molecular Biology	In vivo fluorescence fluctuation spectroscopy assays to monitor the activity of LRRK2	Parkinson's disease (PD) is the most common movement disorder in the world and is often found to affect individual 65 years old and older. PD is caused by the selective degradation of dopaminergic neurons. Although quality of life can be enhanced by currently available treatments, these drugs only treat the issues associated with movement and often times have irreversible side effects. Current research in the field is focused on targeting the biological molecules involved in disease progression. Our grant focuses on developing assays for studying the biological activity of one the proteins involved in PD pathogenesis.	1	62,438
Monterey Bay Aquarium	Kim Holland	Hawaii Institute of Marine Biology (HIMB)	Movement patterns, environmental preferences and husbandry of sharks and rays of Hawaii	This is an ongoing, multi-faceted project that includes several inter-related aspects of the biology of sharks and rays found in and around Kaneohe Bay, Oahu. In addition to the intrinsic value of understanding the biology of these fishes (and their husbandry requirements), this project will also help elucidate the role that these species play in the ecology of Kaneohe Bay. Insights into their sensory biology may assist in conservation of these species.	1	78,650
Open-source Project for a Network Data Access Protocol Inc	Steven Businger	Department of Meteorology	EarthCube Building Blocks: Specifying and Implementing ODSIP, A Data-Service Invocation Protocol		1	63,997
SEATTLE INSTITUTE FOR BIOMEDICAL & CLINICAL RESEARCH	Richard Arakaki	Department of Medicine	Diabetes Prevention Program Outcomes Study in Hawaii	Maintain outcomes measures and retention of the Diabetes Prevention Program cohort in Hawaii. Intervention of lifestyles modification and metformin treatment are continued during the course of the proposal in people at risk/those who develop diabetes. Additional, more extensive outcomes measures will be obtained.	1	192,549
UNIVERSITIES SPACE RESEARCH ASSN	G Taylor	Hawaii Institute of Geophysics and Planetology (HIGP)	Inner Solar System Impact Processes: An integrated Analysis Using Extraterrestrial Samples, Astronomical Observations, and Modeling		1	44,647

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

National Aeronautics and Space Administration

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Brant Jones	Department of Chemistry	An Examination on the Stability of Martian Organic Analogs upon Exposure to Ultraviolet Radiation in the Presence of Perchlorates	<p>The primary objective of this proposal is to unravel the chemical and physical processes associated with the destruction of organics under simulated Mars surface conditions in the presence of perchlorates. Organics should be on Mars through in situ formation and/or delivery via meteor or interplanetary dust particles. It was this assumption that was so widely agreed upon within the scientific community that spurred the numerous missions to Mars through the last few decades. Consequently, the lack of conclusive data pertaining to any organic molecules on the surface and within the regolith subsurface has been a rather surprising and extremely disappointing observation. The surface of this planet has been undergoing radiation processing over millions of years from solar wind and galactic cosmic radiation. To date, numerous experiments have been conducted attempting to link the lack of organics with both Viking missions and the Phoenix landers. However, as of yet, none have been conducted in the presence of perchlorates which significantly outweigh other soil oxidants present within the Mars regolith. Here, we propose for the very first time a systematic approach investigating these effects at relevant outer Martian environmental conditions (temperature and chemical composition) while exposing the Mars analog samples Ultraviolet radiation (200-400 nm) in a state-of-the-art simulation chamber at ultra-high vacuum conditions. The photochemical evolution/degradation of the exposed ices is monitored on line and in situ via complementary detection schemes spanning the full range from infrared to ultraviolet utilizing Fourier Transform Infrared, Raman, and Ultraviolet-Visible (UVVIS) spectroscopies. Furthermore, results from this experiment will aid in the understanding of</p>	1	153,586

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				the chemical composition of the surface which may explain why currently no organics have been detected on Mars and possibly direct future technologies and exploratory strategies in the event that UV		
NATIONAL AERONAUT & SPACE ADM	Bridget R Smith-Konter	Department of Geology and Geophysics	Strike-slip Faulting Processes on Ganymede: Morphological Inferences and Failure Mechanics	The goal of this research is to advance our knowledge of the structural and evolutionary history of Ganymede through synthesis of fundamental geological inferences of strike-slip faulting processes on the satellite with sophisticated models of failure mechanics. To do so, we propose to investigate and document the range of strike-slip deformation on Ganymede and quantitatively model shear failure of faults as related to the most likely secular stress mechanisms (non-synchronous rotation, true polar wander, and internal differentiation) along with diurnal stresses (which may have had a significant role during a past high-eccentricity era).	1	50,000
NATIONAL AERONAUT & SPACE ADM	Donald Hall	Institute for Astronomy	The WFIRST-AFTA HAWAII 4RG-10 Arrays for Wide Field Infrared Imaging within the Context of the Larger Family of HAWAII Arrays		1	20,000
NATIONAL AERONAUT & SPACE ADM	Gary Huss	Hawaii Institute of Geophysics and Planetology (HIGP)	Elemental and Isotopic Abundances in Solar Wind from SIMS Analysis of Genesis Collectors		1	73,000
NATIONAL AERONAUT & SPACE ADM	John Tonry	Institute for Astronomy	ATLAS - Asteroid Terrestrial-impact Last Alert System	ATLAS will 1) provide useful warning for most Earth-impacting asteroids of 50m size or larger, 2) detect about one, small, Earth-impacting asteroid per year, 3) discover low delta-v asteroids, 4) determine shape parameters and spin periods of thousands of asteroids from hundreds of observations per year, and 5) obtain instantaneous color measurements of every observed object.	1	155,717

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Kimberly Binsted	Information and Computer Sciences	Key contributors to the maintenance and regulation of team function and performance on long duration exploration missions	<p>HI-SEAS (Hawaii Space Exploration Analog and Simulation) is a habitat on an isolated Mars-like site on the Mauna Loa side of the saddle area on the Big Island of Hawaii at approximately 8200 feet above sea level. HI-SEAS is unique, in addition to its setting in a distinctive analog environment, as:</p> <ul style="list-style-type: none"> - we select the crew to meet our research needs (in serendipitous analogs, such as Antarctic stations, crew selection criteria are not controlled by researchers); - the conditions (habitat, mission, communications, etc.) are explicitly designed to be similar to those of a planetary exploration mission; - the site is accessible year round, allowing longer-duration isolated and confined environment studies than at other locations; - the Mars-like environment offers the potential for analog tasks, such as geological field work by human explorers and/or robots. <p>The ability to select crew members to meet research needs and isolate them in a managed simulation performing under specific mission profiles makes HI-SEAS ideal for detailed studies in space-flight crew dynamics, behaviors, roles and performance, especially for long-duration missions. To take advantage of this capability, the research in this proposal addresses the IRP Gap Team1: We need to understand the key threats, indicators, and life cycle of the team for autonomous, long duration and/or distance exploration missions. In particular, we will conduct a ground-based investigation to measure and track the factors expected to have significant impacts on team function and performance, and assess that impact, over three high-autonomy missions of differing durations (four, eight, and twelve months).</p> <p>During crew selection for each mission we will measure participants cognitive capacities,</p>	1	150,000

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				communication skills, preferred communication strategies, interpersonal strategies, coping strategies, mission and crew role specific knowledge, and planning and collaborative problem solving ability. During the missions we will mo		

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Nikolai Maximenko	International Pacific Research Center (IPRC)	Multi-scale ocean circulation in satellite and in situ observations	<p>High-resolution global dataset, collected by satellite altimeters over almost 20 years, reveals complex organization of the ocean surface circulation on mesoscale. This organization is best seen in multi-year time average as a grid of quasi-zonal jet-like features, covering all parts of the ocean. With all the complexity of the pattern, it is robust and withstands effects of stronger perturbations, associated with the interannual variability of large-scale flow and with mesoscale eddies, dominating the velocity field. Recent studies suggest that, in discord with the classical theory of freely evolving geophysical turbulence, these features are strongly controlled by the real boundaries of the oceans. Effects of the boundaries extends from various types of vorticity sources on mesoscale to the large-scale gyres, whose instability feeds open-ocean eddies. Proposed research will advance understanding of the dynamics of permanent mesoscale signatures of meandering fronts and organized eddies in the upper and intermediate depth ocean. Surface circulation will be studied using improved mean dynamic topography. The improvement will be achieved through the use of new satellite missions (such as GOCE), expanded datasets of in situ observations (such as drifters), and refined assessments of ageostrophic signal. Spatiotemporal statistics of eddies and other anomalies will be analyzed in western parts of the oceans to explain why such jets as the Kuroshio Extension and Gulf Stream remain narrow on long-time mean despite the strong velocity variability near their axes. In central and eastern parts of the oceans, preferred paths of eddies and statistics of eddy-genesis will be compared with the time-mean "striations" in the context of the dynamic of the beta-plume, induced by a local vorticity source in the east.</p> <p>In addition to quasi-zonal features, the project will overview highly anisotropic signals, having different orientations: meridional extensions</p>	1	149,514

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				of permanent meanders o		
NATIONAL AERONAUT & SPACE ADM	Oleg Melnichenko	Department of Oceanography	Role of Oceanic Advection in Spatial and Temporal Variability of Sea Surface Salinity on Seasonal and Long Time Scales	Satellite observations of sea surface salinity and ocean currents will be analyzed together to investigate the role that ocean currents play in spatial and temporal variability of sea surface salinity.	1	35,924
NATIONAL AERONAUT & SPACE ADM	Robert Wright	Hawaii Institute of Geophysics and Planetology (HIGP)	TIRCIS: A Thermal Infrared, Compact Imaging Spectrometer for Small Satellite Applications		1	500,000
NATIONAL AERONAUT & SPACE ADM	Ryan Ogliore	Hawaii Institute of Geophysics and Planetology (HIGP)	Isotopic Analyses of Stardust and Hayabusa Samples by Secondary Ion Mass Spectrometry		1	70,000
NATIONAL AERONAUT & SPACE ADM	Shadia Habbal	Institute for Astronomy	Studying the Structure and Evolution of Coronal Mass Ejections using Advanced Image Processing and Stereoscopic Techniques		1	125,000
NATIONAL AERONAUT & SPACE ADM	Tangdong Qu	Department of Oceanography	Investigating the Formation and Variability of Sea Surface Salinity Maxima in Subtropical Oceans Using Aquarius Measurements Combined with In-Situ Dat	We propose to study Investigating the formation and variability of sea surface salinity maxima in subtropical oceans using Aquarius measurements combined with in-site data and results from numerical models	1	143,441

National Science Foundation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Anders Host-Madsen	Electrical Engineering	CIF:EAGER:Information Theory Approaches for finding Atypical Sequences		1	79,641
NATIONAL SCIENCE FOUNDATION	Donald Price	Natural Sciences Division	Understanding Biotic Response to Environmental Change in Tropical Ecosystems Through a Place-Based Context		1	2,000,000
NATIONAL SCIENCE FOUNDATION	Elizabeth Stacy	Biology (UH Hilo)	CAREER: Characterizing Reproductive Isolation within the Hawaiian <i>Metrosideros</i> Species Complex		1	11,774

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	James Foster	Hawaii Institute of Geophysics and Planetology (HIGP)	RAPID: GPS and InSAR Observations in Bolivia and Chile of the Co-seismic and Post-seismic Deformation Associated with the 1 Apr, 2014 Mw 8.2 Pisagua, Chile, Earthquake		1	105,469
NATIONAL SCIENCE FOUNDATION	Jason Kumar	Department of Physics and Astronomy	Novel Dark Matter Models and Detection Strategies		1	80,000

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Jingjing Li	Mechanical Engineering	Friction Stir Blind Riveting for Dissimilar Materials	<p>The objective of this research project is to gain fundamental understanding of a novel one-sided friction stir joining process of dissimilar materials through Friction Stir Blind Riveting, viz. FSBR. Joining dissimilar materials with different weights or functionalities is increasingly demanded but limited by traditional joining methods such as fusion welding due to the different material melting temperatures. FSBR is a mechanical joining method, where a blind rivet rotating at high speed with contact of the workpieces to generate friction heat and thus to soften the workpiece materials and drive the rivet into the workpieces under reduced force. Once it fully inserted, the blind rivet is pulled upset to fasten the workpieces as a conventional blind riveting process and the internal mandrel will be discarded for mass saving. We hypothesize that FSBR can effectively join lightweight dissimilar materials, such as Magnesium/Aluminum and Aluminum/Carbon fiber composite and investigate the correlations among process, material microstructure and property for this new joining process. The PIs have significant and relevant expertise in joining technology, numerical simulation, material characterization and modeling for both metal and composite to ensure the success of this research.</p> <p>Intellectual Merits. This research proposal will advance effective joining method for dissimilar materials, and explore the nature of material behavior, microstructure evolution and their relationships between process and joint performance. To accomplish this, the FSBR will be studied through experimental, modeling, and material analyses in the following four approaches: 1) The intrinsic forces, torques and temperature will be measured during the FSBR process and effects of process parameters on material flow (characterized via digital image correlation method) and joint strength will be</p>	1	10,000

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				experimentally investigated; 2) A comprehensive microstructure analysis will be conducted to investigate the		
NATIONAL SCIENCE FOUNDATION	Joseph T Jarrett	Department of Chemistry	Mechanistic Studies of the S-Adenosylmethionine Radical Enzyme Biotin Synthase	We will study the last biochemical reaction in the bacterial pathway for producing the essential vitamin biotin (Vitamin H). This reaction is catalyzed by an enzyme called biotin synthase, which uses a cluster of iron and sulfur ions to insert a new sulfur atom into biotin. Our studies will define the complete chemical mechanism for this process.	1	151,927
NATIONAL SCIENCE FOUNDATION	Roberto Carlos Pelayo	Mathematics (UH Hilo)	Collaborative Research: Pacific Undergraduate Research Experience in Mathematics	Increase the number of native Pacific Islanders earning degrees and pursuing careers in the mathematical sciences; provide valuable and lasting mentoring experiences to faculty at UHH	1	152,302

US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ARIZONA STATE UNIVERSITY	Catherine Chan-Halbrendt	Natural Resources and Environmental Mgt	Adaptive Pathways to Climate Change: Livestock and Systems in Gandaki River Basin		2	3,954
CALIFORNIA BERKELEY, UNIVERSITY OF	Gary Varner	Department of Physics and Astronomy	High Performance Cross-Strip Micro-Channel Plate Detector Systems for Spaceflight Experiments	Design, fabrication and integration of cross strip test ASICs	1	77,858
DREW, CHARLES R, UNIVERSITY	Vivek Nerurkar	Department of Pediatrics	RCMI Translational Research Network		1	47,112
HAWAII PACIFIC UNIVERSITY	Christy-ann Nishita	Center on Aging	Honolulu As An Age-Friendly City	The Honolulu as an Age-Friendly City project is a 1-year planning process that tasks key governmental and non-governmental entities to develop plans for developing Honolulu as an Age-Friendly City. With workgroups on housing, transportation, community health services, and others- the final outcome of this process is a written Action Plan report. The Center on Aging services as the contractor, providing coordination, facilitation, research support, and report writing.	1	183,769

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
JOHNS HOPKINS UNIVERSITY	Yusuke Marikawa	Institute for Biogenesis Research	Novel Axial Elongation Morphogenesis Systems Using Embryonic Stem Cells to Investigate Teratogenic Factors	The project is to establish an in vitro culture system that allows screening of FDA-approved drugs for teratogenicity	1	22,000
LANGUAGE LEARNING PGM-UNIV MICHIGAN	Richard Day	Department of Second Language Studies	The Impact of Extensive Reading on L2 Writing Development and Anxiety		1	1,995
MASSACHUSETTS INSTITUTE OF TECH	Stephen Masutani	Hawaii Natural Energy Institute (HNEI)	Study of Chemical Dispersants Applied to Subsurface Oil Spills - UH Tasks	nduct experimental investigation of the effects of chemical dispersants on oil droplet size.	1	32,516
MIAMI, UNIVERSITY OF	Mariana Gerschenson	Department of Cell and Molecular Biology	Mitochondrial Determinants of Metabolic Disease in HIV-Infected Children		1	119,625

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NEW HAMPSHIRE, UNIVERSITY OF	Alison Sherwood	Department of Botany	Collaborative Research: Digitization TCN: The Macroalgal Herbarium Consortium: Accessing 150 Years of Specimen Data to Understand Changes	<p>The proposed project has two primary objectives:</p> <p>1) To establish a Macroalgal Herbarium Consortium (MHC), a network of 48 U.S. institutions with small, medium and large macroalgal collections, to collectively develop and share tools, workflows, knowledge and experience that will streamline specimen digitization and data access.</p> <p>2) To digitize all of the more than 1.1 million macroalgal herbarium specimens in the MHC collections and to make the data easily accessible in a way that will (a) facilitate research to document ecological changes in marine, estuarine and freshwater environments; (b) inform environmental managers, regulatory agencies, and (c) engage the public and promote an appreciation of the importance of macroalgae and natural history collections.</p> <p>Macroalgae are a diverse group of aquatic organisms that occur in four divisions (phyla) spanning two kingdoms. They are the foundation of many marine, estuarine and freshwater benthic ecosystems and provide food, substrata and protection for a myriad of other aquatic organisms.</p> <p>Intellectual Merit - Many macroalgal species are sensitive to environmental change, and as a consequence, community structure can be altered by the loss or gain of species in response to bioinvasions, climate change and a wide range of human activities. Through its effect on other organisms, disturbances in macroalgal community structure can be amplified to impact entire ecosystems. The macroalgal specimens in U.S. herbaria have been collected over the past two centuries from broad geographical areas and a wide range of habitats. While other TCN projects have provided insight into terrestrial ecosystems, digitization of macroalgal collections will fill a gap in the data needed to study aquatic ecosystems. The project will provide access to a wealth of information on</p>	1	23,840

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				the spatial and temporal distribution of macroalgal species that can help us understand how recent and long-term changes in aquatic environments have impacted marine, estua		
Northern Arizona University	Apichai Tuanyok	Department of Tropical Medicine, Medical Micro and Pharm	Antigenic Protein and Lipopolysaccharide (LPS) Signatures from Burkholderia Pseudomallei and B. Mallei Towards Specific Biothreat Detection Strategies	This project aims to produce recombinant B. mallei and B. pseudomallei proteins using heterologous expression techniques, purify the target proteins, and evaluate and validate immunological assays in environmental and clinical settings.	1	45,000
OREGON STATE UNIVERSITY	Samir Khanal	Molecular Biosciences and Bioengineering	Developing Anaerobic Digestion Biorefinery Using High Yield Tropical Feedstocks	The overarching goal of this project is to evaluate the potential of developing an anaerobic digestion (AD) biorefinery which uses high-yielding tropical bioenergy feedstocks in a decentralized closed-loop system for producing diverse high value co-products and/or liquid/gaseous biofuels.	1	99,985
TEXAS A&M UNIVERSITY	Stephen Masutani	Hawaii Natural Energy Institute (HNEI)	UH Subtasks for TAMU Proposal Submitted to the Gulf of Mexico Research Initiative	Conduct laboratory and field experiments to determine deep ocean oil spill plume behavior and participate in the development of submodels of far-field microbial oxidation of contaminant hydrocarbons.	1	152,216
UTAH STATE UNIVERSITY	Matthew Stevenson	Human Nutrition, Food and Animal Sciences	Secondary Effects of Behavior-based Pasture Management	Working with 5 collaborating private livestock operations, PIs will track via GPS collars pasture use of animals trained to eat weeds. PIs will conduct feeding trials to evaluate anti-parasitic qualities of weeds.	1	10,355
Research - Total					97	18,143,846

Non-Research

DHHS-Dept of Health and Human Services

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL INST MIN HLTH & DISP	Marjorie Mau	Department of Native Hawaiian Health	Partnerships for Cardiometabolic Disparities in Native and Pacific Peoples		1	130,403

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST DIAB DIG KIDN DIS	George Hui	Department of Tropical Medicine, Medical Micro and Pharm	High School Students Step-Up to Biomedical Research	Provide biomedical research training for high school students of ethnic minority and economically disadvantaged background.	1	31,104

DOC-Dept of Commerce

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT- MINORITY BUSN DEV AGENCY-FED	John Morton	Office of the Vice President for Community Colleges	Honolulu Minority Business Center, April 1, 2011 to March 31, 2016	The Minority Business Development Agency Award supports the Honolulu Minority Business Enterprise Center that will provide economic development and technical assistance work to minority enterprises located in Hawaii.	1	295,500

DOD-Department of Defense

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-NATIONAL SECURITY AGY	Cynthia Ning	Center for Chinese Studies	Hawaii Chinese Language Student Camp	STARTALK-Hawaii will recruit 24 middle school students locally and nationally, and in a 3 week innovative Chinese language residential program led by four lead instructors and 15 teacher trainees, immerse them in a four-skills program in Mandarin Chinese, imparting as much instruction as once college semester.	1	112,458

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	Regional Breadfruit Project	To support the development of a regional (American Affiliated Pacific and Caribbean islands) food industry based on products made from gluten-free breadfruit flour.	1	324,385

Federal Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATL ENDOWMENT FOR THE ARTS	Richard Frank Stewart	Department of English	Manoa: A Pacific Journal of International Writing	Publication of an international literary journal twice a year.	1	10,000

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Foreign

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AstraZeneca	Michael Carney	Clinical Sciences	A Phase III, Randomised, Double Blind, Placebo Controlled, Multicentre Study of Olaparib Maintenance Monotherapy in Patients with BRCA...	Phase 3 clinical trial for BRCA ovarian subjects who have been treated with first line platinum based chemotherapy	1	101,842
Chuo University	R Anderson Sutton	International & Exch Prog	Chuo Overseas Exchange	This is a grant to commence an international relationship with Chuo University of Tokyo, Japan. Chuo, a leading private university, is requesting to set up an office at Manoa and hire a project coordinator to help bring Chuo faculty and students to UHM, and also encourage UHM students to consider studying at Chuo. Chuo envisions bringing especially its students to UHM to study about Hawaii and the United States. This project, funded by Chuo University, will cover the costs of administration and office space. The Chuo office will be run in conjunction with the Office of International Programs and Exchange.	1	52,245
FEDERATED STATES MICRONESIA	Lee E Buenconsejo-Lum	Department of Family Medicine and Community Health	Pacific Regional Comprehensive Cancer Control program (FSM HSA subcontract)	The Regional CCC Program leverages resources and work collaboratively with others to build capacity within the USAPI Health Departments/Ministries and community sector to implement the Pacific Regional CCC plan. The Regional Plan includes goals and objectives addressing the cancer control spectrum from prevention to treatment and palliation.	1	35,000

Hawaii- Government Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAIIAN AFFAIRS, OFFICE OF	Wendell Perry	Kamakakuokalani Center for Hawaiian Studies	Construction of Kanewai Cultural Resource Center	The Kanewai Cultural Resource Center is a five year effort to construct a new, culturally interactive community space for Ka Papa Loi O Kanewai. The Kanewai Cultural Resource Center is a community driven, collaborative effort between the non-profit organization Hookahe Wai Hooulu Aina and	1	100,000

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				Ka Papa Loi O Kanewai Center at the University of Hawaii at Manoa. Their ultimate goal is to bridge traditional and modern educational practices, thus creating a stronger interactive cultural experience. The collaboration secured a federal Housing and Urban Development (HUD) grant, external funding sources, and a tremendous amount of volunteer services to reach building goals. Today, we are only \$100,000 away from seeing the Kanewai Cultural Resource Center become a reality.		
HUMAN SERVICES, DEPT-HI	Clyde Sakamoto	Chancellor, UH Maui College	Ongoing maintenance and support for SHAKA and ShakaTown online web portals	This project by the UH Maui College Software Development Center allows for the continuation of services and operations of the SHAKA and ShakaTown web portals for the Hawaii Department of Human Services Child Welfare Branch. The SDC will also continue to provide development and maintenance services as well as technical support to youth, providers, and DHS workers and staff who use the SHAKA and ShakaTown modules. The systems allow youth, service providers, and DHS case managers to connect and deliver services and information to improve the youth's potential for success on exit from foster care and beyond.	1	1,164,282
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Ahihi-Kinaiu Natural Area Reserve Education and Outreach	Develop an education and outreach program for the Ahihi-Kinaiu natural area reserve on Maui.	1	37,500
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Koloa Recovery Information, Education, and Outreach	Conduct outreach to educate public on the necessity of removing mallard and mallard hybrid ducks for the protection of native Koloa Maoli ducks on Kauai.	1	59,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Native Ecosystem Protection and Management Section Liaison	Increase interaction and dialogue between various conservation programs, including watershed partnerships, Natural Area Reserves system and the Rare Plant Program.	1	33,381

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAII COMMUNITY FOUNDATION (HCF)	Jonathon E Goebel	Art (UH Hilo)	UHH Artists in Residence Project	The UHH Artists in Residence Project (ARP) will bring two well-accomplished artists to the Island of Hawaii to engage in a program of art related activities open to college students, the local community, and visitors.	1	10,000
UNIVERSITY HAWAII FOUNDATION	Ardis Eschenberg	Chancellor, Windward Community College	HKL Castle WCC Paipai'o Ko'olau Initiative	Salaries and Fringe benefits and other need supplies for the support of the Paipai Koolau initiative at WCC to increase college access and completion	1	52,463
UNIVERSITY HAWAII FOUNDATION	Chennat Gopalakrishnan	Natural Resources and Environmental Mgt	Journal of Natural Resources Policy Research	To launch a new journal in the field of natural resources and environmental policy, "Journal of Natural Resources Policy Research", to be edited by Professor Chennat Gopalakrishnan of the Department of Natural Resources and Environmental Management at UH Manoa. Work will involve a variety of editorial activities connected with journal publication.	1	4,000
UNIVERSITY HAWAII FOUNDATION	Dick Teshima	Department of Medical Technology	UH Med Tech Program	Support for the UH Med Tech Program from private funders, Diagnostic Laboratories and Clinical Laboratories.	1	2,481
UNIVERSITY HAWAII FOUNDATION	Gail Mililani Makuakane-lundin	Chancellor, UH Hilo	Kupa `Aina Summer Bridge		1	143,074
UNIVERSITY HAWAII FOUNDATION	Richard Frank Stewart	Department of English	Manoa Journal	Funds for staff salary and fringe benefits.	2	8,500

Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Exelixis Inc	David Tamura	Clinical Sciences	A Phase 3, Randomized, Double-blind, Controlled Study of Cabozantinib (XL184) vs Placebo in Subjects with Hepatocellular Carcinoma Who Have Rec	Phase 3 clinical trial for patients with hepatocellular carcinoma who have received Sorafenib	1	176,202
NATIONAL WRITING PROJECT CORP	Marnie Masuda	Department of Curriculum Studies	2014-2016 SEED Teacher Leadership Development Grant		1	10,000

Mainland- Non-Profit Organizations

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Arizona Community Foundation	Luoluo Hong	Vice Chancellor for Academic Affairs (UH Hilo)	Dorrance Scholarship Program - Papaku O Hilo		1	43,526
Arizona Community Foundation	Luoluo Hong	Vice Chancellor for Academic Affairs (UH Hilo)	Dorrance Summer Bridge Program (Mainland Experience)		1	13,500
DentaQuest Foundation	Mikako Deguchi	Office of Public Health Studies	Hawaii Oral Health Care Delivery System For Children	The project is to assess the current oral health services at HNKOP, to help improve the current operation. It is also to assess the environment, that would lead to an assessment of the system, and policy to achieve the optimized oral health care system.	1	149,646
Electricore, Inc.	Leon Roose	Hawaii Natural Energy Institute (HNEI)	Southwest United States of America - Distributed Technology Training Consortia	As part of the GEARED consortia HNEI will seek to integrate the lessons learned from this and other projects and renewable energy integration experience and knowledge into focused training and short courses for utilities pursuing high penetration of renewable resources into their grid. Short courses: HNEI in partnership with the UH College of Engineering will provide an effective program of training and workshops in smart inverters, communications, and smart grid and renewable integration. Newly developed 5 to 10 hours short courses in these topical areas, including PV integration into the grid and power system modeling with high penetration of solar energy and other renewable energy resources and advanced technologies and controls to manage grid operations will be developed and offered.	1	409,340
NATIONAL FOUR-H COUNCIL (4-H)	Steven Nagano	Oahu County	Exploring Your Environment AfterSchool Grant	Project is to provide 12 learning experiences utilizing the 4-H Exploring Your Environment curriculum to 115 youth in two after school programs.	1	10,000
St. Baldrick's Foundation	Bruce Shiramizu	Department of Pediatrics	University of Hawaii St. Baldrick's Foundation Summer Fellows Program	The pre-doctorate Summer Fellows Program will provide an opportunity for 3 students to gain experience in working on projects related to childhood cancer.	1	5,000

National Science Foundation

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Krystyna Aune	Graduate Education	Graduate Research Fellowship Program	To provide graduate students the opportunity to further their education by funding their research projects.	1	409,334
NATIONAL SCIENCE FOUNDATION	Matthew Platz	Vice Chancellor for Research	Graduate Research Fellowship Program	Support for a graduate student at UH Hilo in their research endeavors	1	55,000
NATIONAL SCIENCE FOUNDATION	Sumner La Croix	Economics (UH Manoa)	Cliometric Conferences in 2015, 2016 and World Congress in 2017	The National Science Foundation has provided fundamental and significant financial support to both the annual Cliometric Conferences and the World Congresses of Cliometrics for more than twenty-five years. This proposal asks the National Science Foundation to continue its support of cliometric research by sponsoring and providing significant funding for conference and travel expenses for most participants at the 2015 and 2016 annual Cliometric Conferences and for graduate student presenters at the 2017 World Congress of Cliometrics. Sites for the 2015 and 2016 Conferences are anticipated to be the University of Michigan and (more tentatively) the University of Pittsburgh. The 2017 World Congress of Cliometrics will be held at the University of Strasbourg, France.	1	122,270

US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CLEMSON UNIVERSITY	Gwen Jacobs	Office of the VP for Information Tech/Chief Info Officer	The Condo of Condos	UH will participate as a subawardee on Clemson University's national-scale Condo of Condos proposal to NSF for the collaborative provision and support of a nationwide advanced cyberinfrastructure including research computation and data storage capability and services to faculty, researchers and students throughout the UH System and beyond.	1	374,774

Gift, Grants, and Contracts for Apr 1, 2014 to Apr 30, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
SOUTHERN CALIFORNIA, UNIVERSITY OF	Grieg Steward	Department of Oceanography	Characterizing Viruses and Their Influence on the Microbial Community Within the Basement Fluids of the Juan de Fuca Ridge Flank		1	60,000
Non-Research - Total					34	4,546,210
Overall - Total					131	22,690,056

Funds Received from UH Foundation for Apr 1, 2014 to Apr 30, 2014

Non-Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Ardis Eschenbe	Chancellor, Windward Community College	HKL Castle WCC Paipai'o Ko'olau Initiative	Salaries and Fringe benefits and other need supplies for the support of the Paipai Koolau initiative at WCC to increase college access and completion	1	52,463
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Chennat Gopalakri	Natural Resources and Environment: Mgt	Journal of Natural Resources Policy Research	To launch a new journal in the field of natural resources and environmental policy, "Journal of Natural Resources Policy Research", to be edited by Professor Chennat Gopalakrishnan of the Department of Natural Resources and Environmental Management at UH Manoa. Work will involve a variety of editorial activities connected with journal publication.	1	4,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Gail Milila Makuakar lundin	Chancellor, UH Hilo	Kupa `Aina Summer Bridge		1	143,074
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Richard Frank Stewart	Department of English	Manoa Journal	Funds for staff salary and fringe benefits.	2	8,500
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Dick Teshima	Department of Medical Technology	UH Med Tech Program	Support for the UH Med Tech Program from private funders, Diagnostic Laboratories and Clinical Laboratories.	1	2,481

Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Eva Ponte	Institute for Teacher Education	Activating Educators Focus on Family Engagement as Central to Teaching (AFFECT)	The purpose of this research is to document the preparation and examine the implementation of family engagement (FE) elementary teacher professional development modules as part of the Activating Educators Focus on Family Engagement as Central to Teaching (AFFECT) project.	1	10,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	R Ertekin	Department of Ocean and Resources Engineering	Offshore Mechanics and Arctic Engineering Research		1	38,892
Overall - Total						8	259,410

**Extramural Research Awards for the Month
Apr 1, 2014 to Apr 30, 2014
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	2	834,366	5%
Dept of State	1	836,534	5%
DHHS-Dept of Health and Human Services	6	5,123,706	28%
DOD-Department of Defense	9	2,118,711	12%
DOE-Dept of Energy	1	1,605,000	9%
Federal Agencies	1	122,317	1%
Hawaii- Business and Other	6	312,071	2%
Hawaii- Government Agencies	13	812,695	4%
Hawaii- Non-Profit Organizations	5	428,165	2%
Mainland- Business and Other	8	222,600	1%
Mainland- Non-Profit Organizations	11	690,161	4%
National Aeronautics and Space Administration	12	1,626,182	9%
National Science Foundation	8	2,591,113	14%
US Colleges and Universities	14	820,225	5%
Overall - Total	97	18,143,846	100%

**Extramural Non-Research Awards for the Month of
Apr 1, 2014 to Apr 30, 2014
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DHHS-Dept of Health and Human Services	2	161,507	4%
DOC-Dept of Commerce	1	295,500	6%
DOD-Department of Defense	1	112,458	2%
DOI-Dept of Interior	1	324,385	7%
Federal Agencies	1	10,000	0%
Foreign	3	189,087	4%
Hawaii- Government Agencies	5	1,394,163	31%
Hawaii- Non-Profit Organizations	7	220,518	5%
Mainland- Business and Other	2	186,202	4%
Mainland- Non-Profit Organizations	6	631,012	14%
National Science Foundation	3	586,604	13%
US Colleges and Universities	2	434,774	10%
Overall - Total	34	4,546,210	100%

**Year to Date Extramural Research Awards
Jul 1, 2013 to Apr 30, 2014
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	36	10,335,085	5%
Dept of State	4	2,335,534	1%
DHHS-Dept of Health and Human Services	66	36,577,446	19%
DOC-Dept of Commerce	51	16,866,952	9%
DOD-Department of Defense	67	38,851,264	20%
DOE-Dept of Energy	15	5,586,944	3%
DOI-Dept of Interior	65	4,938,059	3%
DOT-Dept of Transportation	2	10,000	0%
ED-Dept of Education	1	467,285	0%
Federal Agencies	8	2,663,746	1%
Foreign	18	4,209,595	2%
Hawaii- Business and Other	24	1,516,136	1%
Hawaii- Government Agencies	124	14,354,170	7%
Hawaii- Health Organizations	3	395,315	0%
Hawaii- Non-Profit Organizations	57	4,396,531	2%
Mainland- Business and Other	57	4,016,297	2%
Mainland- Health Organizations	8	336,808	0%
Mainland- Non-Profit Organizations	35	2,519,201	1%
National Aeronautics and Space Administration	71	13,315,610	7%
National Science Foundation	80	24,680,113	13%
US Colleges and Universities	93	7,280,800	4%
Overall - Total	885	195,652,891	100%

Year to Date Extramural Non-Research Awards
Jul 1, 2013 to Apr 30, 2014
Distribution by Sponsor

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	12	2,011,537	2%
DHHS-Dept of Health and Human Services	30	14,519,852	12%
DOC-Dept of Commerce	14	3,605,280	3%
DOD-Department of Defense	11	1,992,627	2%
DOE-Dept of Energy	0	-183	0%
DOI-Dept of Interior	12	782,422	1%
ED-Dept of Education	57	24,659,794	20%
Federal Agencies	13	8,807,060	7%
Foreign	31	8,904,311	7%
Hawaii- Business and Other	17	2,886,458	2%
Hawaii- Dept of Education	8	2,999,418	2%
Hawaii- Government Agencies	88	16,365,544	13%
Hawaii- Health Organizations	30	7,013,853	6%
Hawaii- Non-Profit Organizations	114	6,133,105	5%
Mainland- Business and Other	22	2,737,833	2%
Mainland- Health Organizations	4	71,300	0%
Mainland- Non-Profit Organizations	32	2,487,453	2%
National Aeronautics and Space Administration	6	3,387,268	3%
National Science Foundation	27	12,142,281	10%
US Colleges and Universities	21	1,650,718	1%
Overall - Total	549	123,157,931	100%