

Gifts, Grants, and Contracts for May 2010

The following gifts, grants and contracts received by all campuses during the period May 1, 2010 through May 31, 2010 total \$50,044,687. The unofficial year-to-date total is: \$401,335,584.

Research

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept - Natl Inst of Health (NIH) \$226,441

Testing Alternative Stage Models of Smoking Cessation: An Intervention Study

Herzog, Thaddeus Cancer Research Center

An intervention study is proposed in which participants receive stage-matched interventions for smoking cessation. The 3-study conditions will use three different staging systems to determine the stage of each smoker.

Stage 1 - stages for change. Stage 2 - an alternative developed by the PI. Stage 3 is a control condition.

Health & Human Svc, Dept/NIH - Natl Inst of Genl Med Sci \$288,140

Transposon Based Mammalian Transgenesis and Transfection

Moisyadi, Stefan Dept Anatomy, Biochemistry, Physiology and Reproductive Biol

This grant should lead to improved non-viral integrating vectors for use in mammalian transgenesis.

DOC-Dept of Commerce

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$44,957

Remote Versus Local Forcing of Intraseasonal Variability in the IAS Region: Consequences for Prediction

Xie, Shang-Ping Joint Institute for Marine and Atmospheric Research

To use regional and global models to assess the remote versus local control of intraseasonal variability in the Intra-Americas Sea (IAS) region.

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$2,287,000

Facilitation of Collaborative Monitoring, Research, and Data Management Between US DOC/NOAA/NOS/ONMS and the University of Hawaii

Toonen, Robert J Hawaii Institute of Marine Biology

Facilitation of collaborative monitoring, research, and data management between US DOC/NOAA/NOS/ONMS and

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$999,000

Hawaii Coral Reef Initiative

Hamnett, Michael P Social Science Research Institute

HCRI proposes a five year plan to sponsor research on the state's biotic reefs, native aquatic habitats directly influencing them, and the effects of human activity through an integrated ecosystem approach.

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$2,876,000

HURL Annual Funding (FY 2010)

Wiltshire, John C Hawaii Undersea Research Laboratory

This proposal requests FY2010 funding for base operations of the Hawaii Undersea Research Laboratory.

DOD-Department of Defense

Defense, Dept - Air Force \$9,112

Operations and Management of the Maui Supercomputing Center

Lassner, David K Information Technology Services

Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.

Gifts, Grants, and Contracts for May 2010

Research

DOD-Department of Defense

Defense, Dept - Air Force	\$370,566
<u>Operations and Management of the Maui High Performance Computing Center</u>	
Lassner, David K	Information Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercoming Center.	
Defense, Dept - Air Force	\$618,840
<u>Operations and Management of the Maui Supercomputing Center</u>	
Lassner, David K	Information Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.	
Defense, Dept - Air Force	\$30,000
<u>Operations and Management of the Maui Supercomputing Center</u>	
Lassner, David K	Information Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.	
Defense, Dept - Air Force Ofc of Scientific Rsch	\$129,491
<u>Untangling the Energetics and Dynamics of Elementary Atomic Boron Reactions</u>	
Kaiser, Ralf Ingo	Department of Chemistry
To find out how atomic boron react with molecules relevant to combustion and CVD processes.	
Defense, Dept - Air Force Ofc of Scientific Rsch	\$100,002
<u>Development and Application of a Biologically Inspired Methodology for the Optimized, Multi-disciplinary and Multi-objective Design of Air Vehicles</u>	
Kobayashi, Marcelo H	Department of Mechanical Engineering
Development of novel design methodologies for air vehicle design.	
Defense, Dept - Army	\$74,961
<u>Modeling of Hurricane Surge and Waves for Hawaii</u>	
Cheung, Kwok Fai	Department of Ocean and Resources Engineering
Modeling of hurricane surge and waves for Hawaii.	
Defense, Dept - Naval Research Lab	\$58,500
<u>A Tropical Cyclone Genesis Forecast Model</u>	
Li, Tim	Department of Meteorology
To construct a tropical cyclone genesis model based on a nonlinear logistic method with the use of NOGAPS analysis and forecast fields.	

DOE-Dept of Energy

Energy, Dept - FED	\$51,724
<u>Study of Mechanisms of Aerosol Indirect Effects on Glaciated Clouds</u>	
Phillips, Vaughan	Department of Meteorology
Atmospheric Research	

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Research

DOE-Dept of Energy

Energy, Dept - FED \$134,936

Probing the Reaction Dynamics of Hydrogen-Deficient Hydrocarbon Molecules and Radical Intermediates via Crossed Molecular Beams

Kaiser, Ralf Ingo Department of Chemistry

We want to find out how PAHs and their precursors are formed in combustion flames.

DOI-Dept of Interior

Interior, Dept - National Park Service \$15,032

Targeted Intertidal Resource Species

Beets, James Natural Sciences-UHH

Interior, Dept - U.S. Geological Survey \$23,078

Biocomplexity of Introduced Avian Diseases

Ziegler-Chong, Sharon Pacific Aquaculture-UHH

Interior, Dept - U.S. Geological Survey \$50,000

Surveys to Determine Impacts of Invasive Ants in National Park of American Samoa

Ziegler-Chong, Sharon Pacific Aquaculture-UHH

Survey and map distributions of ants within NPSA; Identify environmental variables that influence distributions of invasive ants; Measure impacts of invasive ants on arthropod communities; Provide recommendations to park managers on ways to mitigate impacts of invasive ants within NPSA.

Interior, Dept - U.S. Geological Survey \$37,500

Evaluating Responses of the I'iwi to Nectar Availability and Habitat Quality to Promote Bird Recovery in Hawaii Volcanoes Natl Park

Ziegler-Chong, Sharon Pacific Aquaculture-UHH

Identify patterns of resource use by 'i'iwi (*Vestiaria coccinea*) both in habitats that are recovering naturally from ungulate browsing and in experimental treatments

Interior, Dept - U.S. Geological Survey \$162,000

Northwestern Hawaiian Islands Climate Change: Predicting Risks of Island Extinctions Due to Sea Level Rise

Ziegler-Chong, Sharon Pacific Aquaculture-UHH

Use sea level rise models for the Northwestern Hawaiian Islands to evaluate the impacts to US Pacific Island wildlife and develop multidimensional decision tools

Interior, Dept - U.S. Geological Survey \$5,000

UHH Developing Strategies: Managing Mouflon

Ziegler-Chong, Sharon Pacific Aquaculture-UHH

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Research

DOI-Dept of Interior

Interior, Dept - U.S. Geological Survey \$50,000
Hawaiian Vegetation Mapping Project: Digital Database
Ziegler-Chong, Sharon Pacific Aquaculture-UHH
Enter plant data from approximately 4,000 additional stations sampled during the HFBS into the plant database

Interior, Dept - U.S. Geological Survey \$6,285
UHH Endangered Plant Species HNVP
Ziegler-Chong, Sharon Pacific Aquaculture-UHH

Foreign

CenSeam \$7,315
Biogeography of Deep-Sea Corals from Drake Passage Seamounts
Waller, Rhian School of Ocean and Earth Science and Technology
Rebudget (no overhead allowed) - This proposal is to buy computer equipment, software and undergraduate student time to analyse TowCam images and trawl data from seamounts in the Drake Passage.

Hawaii- Business and Other

East West Center \$60,000
Pacific Region Integrated Climatology Information Products (PRICIP)
Merrifield, Mark A Joint Institute for Marine and Atmospheric Research
This Scope of Work represents a portion of the High Seas theme-specific work plan that will lead to the creation of a High Seas derived-data product suite.

Kuehnle Agrosystems Co LLC \$150,000
Reuse Water and Microalgal Residue in Biofuels Production
Yu, Jian Hawaii Natural Energy Institute
Microalgal biomass is a potential feedstock for biofuels production. The process needs a large amount of water for algae cultivation and generates a large amount of non-oil cell residue. This work investigates use and reuse of industrial or municipal wastewater as a sustainable water resource. It also investigates and demonstrates production of biopolyesters from the biomass residues to reduce the waste disposal and generate extra value in biofuels production.

Malama Kahalawai Inc \$125,853
Priority Invasive Weed Management in the West Maui Mountains
Morden, Clifford W Department of Botany
Conduct adaptive resource management and forest restoration in West Maui Mountains watershed.

Malama Kahalawai Inc \$72,419
Protection of the West Maui Mountains Watershed
Morden, Clifford W Department of Botany
Conduct adaptive resource management and forest restoration in West Maui Mountains watershed.

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Hawaii- Business and Other

Oceanit Laboratories, Inc \$23,836
The MOST Dual Channel Camera System
Hodapp, Klaus W Institute for Astronomy
Design and fabricate a cooled beamsplitter enclosure for installation at an existing ground-based telescope.

Hawaii- Government Agencies

Business, Econ Dev & Tourism, Dept (DBEDT) - HI \$150,000
Ocean Floor Survey Extension #2
Taylor, Brian School of Ocean and Earth Science and Technology
Conduct additional towed sonar studies along designated routes between Oahu, Molokai and Lanai to fill gaps and extend coverage to assess suitability for possible future installation of submarine power cables

Business, Econ Dev & Tourism, Dept (DBEDT) - HI \$50,000
Environmentally Preferable Materials Guide for Hawaii
Meder, Stephen E School of Architecture
Provide research on environmentally preferred materials. Develop and design hardcopy and web-based green material guide for Hawaii.

Business, Econ Dev & Tourism, Dept (DBEDT) - HI \$150,000
Ocean Floor Survey Extension
Taylor, Brian School of Ocean and Earth Science and Technology
SOEST shall conduct three days of submersible dives along a proposed power cable route off the south coast of Oahu to 1) assess the possible presence of a chemical munitions field along 4 miles of the route and 2) assess the extent of disposed ordnance and other debris along portions of the route.

County of Maui - Planning Department \$100,000
Updated Shoreline Erosion Maps for the Island of Maui
Fletcher, Charles H III Department of Geology and Geophysics
Update the Maui Shoreline Erosion Maps using new erosion mapping methodologies PX and PXT which identify acceleration/deceleration in the rate of shoreline change over time and lands vulnerable to sea-level rise. Delivered as an atlas and/or softcopy maps.

Health, Dept - HI \$240,000
Striving for Independence Through Peer Mentoring: Ho'oikaika
Izutsu, Satoru John A. Burns School of Medicine
Project goals and objectives to: 1) increase quality, availability, effectiveness of community-based and educational programs designed to improve health and quality of life and 2) to improve access to comprehensive, high quality health care services by developing an effective, culturally competent system of peer mentoring services for adults with TBI and their families.

Health, Dept - HI \$250,000
Protection and Monitoring of Watershed Partnerships' Water Resources
Morden, Clifford W Department of Botany
Develop water quality monitoring methods for use by watershed partnerships, specifically to collect and analyze data on the effects of conservation management activities in watershed areas on water resources.

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Hawaii- Government Agencies

Human Services, Dept - HI	\$1,292,448
<u>DHS Task Order 8</u>	
Sakamoto, Clyde M	Chancellor, University of Hawaii Maui College
Develop a web accessible eligibility application to be used by DHS to distribute and administer benefits. The application will be used by the public and service providers to apply to DHS for programs such as Med-QUEST, Food Stamps, Welfare and other assistance programs.	
Land & Natural Res, Dept - Div of Aquatic Resources-HI	\$365,250
<u>Evaluating the Effectiveness of Restricted Fishing Areas for Improving the Bottomfish Fishery in the Main Hawaiian Islands</u>	
Drazen, Jeffrey C	Department of Oceanography
To evaluate the effectiveness of restricted fishing areas for improving the bottomfish fishery in the main Hawaiian Islands.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$65,000
<u>Three Mountain Alliance Planning and Management</u>	
Morden, Clifford W	Department of Botany
Coordinate the watershed protection plan of the Three Mountain Alliance and address priority objectives of the management plan.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$95,379
<u>Natural Area Reserves Management</u>	
Duffy, David C	Department of Botany
Research and manage endangered species in their protected habitats in the state's natural area reserves with a focus on the native ecosystem and species diversity.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$48,000
<u>Plant Restoration and Enhancement, Micropropagation/Storage</u>	
Sugii, Nellie C	Lyon Aboretum
To provide services for Plant Restoration and Enhancement, Rare Plant Facilities, Statewide, EPRE 10.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$24,000
<u>Hawaiian Forest Bird Research, 2010</u>	
Ziegler-Chong, Sharon	Pacific Aquaculture-UHH
Continue data analysis and production of reports on the status and distribution of Hawaiian forest birds, including population estimates, distribution maps and trends analysis	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$15,000
<u>Coordinate and Normalize Statewide Plant Extinction Prevention Program Data</u>	
Kaneshiro, Kenneth Y	Pacific Biosciences Research Center
Expansion of the existing Plant Extinction Plant Program information systems is the primary data set of focus.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$173,160
<u>Detection and Control of Invasive Species in Maui County</u>	
Duffy, David C	Department of Botany
Implement a county-wide strategy for early detection and control of invasive species in Maui county.	

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Hawaii- Government Agencies

Land & Natural Res, Dept - HI	\$173,352
<u>Detection and Control of Invasive Species on Oahu</u>	
Duffy, David C	Department of Botany
Implement invasive species control strategies on Oahu.	
Land & Natural Res, Dept - HI	\$28,698
<u>Recreation Impacts to Reefs at Hawaii Coral Program Priority Site</u>	
Szuster, Brian W	Department of Geography
Investigate most effective way to implement Recreation Impacts to Reefs Local Action Strategy at Hawaii Coral Program Priority Sites in collaboration with managers and stakeholders.	
Land & Natural Res, Dept - HI	\$14,469
<u>Natural Area Reserves Management: Oahu</u>	
Duffy, David C	Department of Botany
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.	
Public Safety, Dept - HI	\$27,121
<u>Trauma Informed Care at the Women's Community Correctional Center</u>	
Uchigakiuchi, Patrick	Social Science Research Institute
(a) Establish universal trauma screening for all inmates at the Women's Community correction Center. (b) Establish a uniform trauma assessment methodology for women with positive responses to the trauma screening. (c) Provide culturally competent trauma awareness and sensitivity training to all WCCC employees.	
Public Safety, Dept - HI	\$50,000
<u>Trauma Informed Care at the Women's Community Correctional Center</u>	
Uchigakiuchi, Patrick	Social Science Research Institute
(a) Establish universal trauma screening for all inmates at the Women's Community correction Center. (b) Establish a uniform trauma assessment methodology for women with positive responses to the trauma screening. (c) Provide culturally competent trauma awareness and sensitivity training to all WCCC employees.	

Hawaii- Health Organizations

Kuakini Medical Center	\$70,503
<u>Epidemiology of Brain Aging the Very Old</u>	
Bell, Christina	Department of Geriatric Medicine
Sub-award between UH-JABSOM & Kuakini Medical Center for faculty to conduct neurological examinations, including proxy interviews. Also dictate cases, attend consensus diagnosis conferences, and take part in some analysis of data.	

Hawaii- Non-Profit Organizations

Conservation Council for Hawaii	\$88,451
<u>Control of Incipient Invasive Species on Oahu</u>	
Duffy, David C	Department of Botany
Survey and control selected high-threat invasive species on Oahu, including miconia, Himalayan blackberry, and pampas grass.	

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Hawaii- Non-Profit Organizations

Consuelo Zobel Alger Foundation	\$150,000
<u>Consuelo Research Faculty Project</u>	
Matsuoka, Jon K	School of Social Work
To provide a faculty member to undertake research in child welfare.	
Hawaii Community Foundation (HCF)	\$30,000
<u>Community Stabilization Initiative Indicators</u>	
Stern, Ivette	College of Tropical Agriculture and Human Resources
Develop a framework and identify indicators of family economic distress, collect and analyze data, and prepare ongoing reports for use by the Hawaii Community Foundation for its Community Stabilization Initiative.	
Oceanic Institute - Ctr for Tropical & Subtrpcl Aquaculture (CTSA)	\$24,000
<u>Improving the Hatchery Output of the Hawaiian Pink Snapper, <i>Pristipomoides filamentosus</i> to Meet Stock Enhancement and Open Ocean Expectations</u>	
Tamaru, Clyde S	Hawaii Institute of Marine Biology
Conduct a series of laboratory scale experiments designed to assess the feeding behavior of opakapaka larvae that will be presented a variety of live food organisms at varying densities. The approach is to define an optimal feeding strategy for hatchery production of opakapaka.	
Oceanic Institute - Ctr for Tropical & Subtrpcl Aquaculture (CTSA)	\$50,000
<u>Regional Biosecurity: Operational Biosecurity and Diagnostic Surveillance</u>	
Tamaru, Clyde S	Sea Grant College Program
Deelop laboratory wit PCR capacity to detect viral pathogens. Two target fish disease are Koi Herpes Virus) KHVD) and Rickettsia Like Organism (RLO).	
Tri-Isle Resource Conservation & Dev Council	\$22,524
<u>Lanai Native Species Recovery Program</u>	
Duffy, David C	Department of Botany
Conduct habitat restoration project for the endangered 'Ua'u (Hawaiian petrel) on Lanai.	
University of Hawaii Foundation	\$19,219
<u>CRCH Traineeship</u>	
Carbone, Michele	Cancer Research Center
Support of CRCH activity: 2008 Meiji Yasuda summer research fellowships.	
University of Hawaii Foundation	\$102,202
<u>The Hawaii Initiative for Childhood Obesity Research and Education</u>	
Rudoy, Raul C	Department of Pediatrics
HICORE's mission is to provide leadership of a collaborative, multi-disciplinary effort in research and education on childhood/adolescent obesity in Hawaii. This effort will bring together individuals, community, and organizations in Hawaii, to understand and address the childhood obesity epidemic in Hawaii especially the most vulnerable of Hawaii's children and families.	

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Research

Mainland- Business and Other

Adama Materials, Inc.	\$30,000
<u>Development of High-Performance Nanomaterials, Nanoresins, Nanoprepregs, and Nanocomposites</u>	
Ghasemi Nejjhad, Mehrdad N	Department of Mechanical Engineering
In this project, we will development high-performance nanomaterials, nanoresins, nanoprepregs, and nanocomposites	
AmericaView	\$5,788
<u>StateView Program Development and Support for the State of Hawaii</u>	
Wright, Robert	Hawaii Institute of Geophysics and Planetology
Promoting the use of satellite remote sensing in the State of Hawaii through education, outreach and research. Archive satellite data relevant to the State of Hawaii.	
AmericaView	\$1,050
<u>StateView Program Development and Support for the State of Hawaii</u>	
Wright, Robert	Hawaii Institute of Geophysics and Planetology
Promoting the use of satellite remote sensing in the State of Hawaii through education, outreach and research. Archive satellite data relevant to the State of Hawaii.	
Booz, Allen & Hamilton Inc	\$11,826
<u>caBIG₂ Enterprise Phase</u>	
Wilkins, Lynne R	Cancer Research Center
The applicant will participate in projects of the Vocabulary and Common Data Elements Workspace of NCI's caBIG ₂ project, an informatics initiative aimed at standard infrastructure for data sharing. Specific tasks will include review of software applications for compatibility and development and dissemination of information on common data element standards.	
Jet Propulsion Lab	\$13,567
<u>Assessing the Quality of Aquarius Sea Surface Salinity Measurements Using an Ocean State Estimation System</u>	
Qu, Tangdong	Department of Oceanography
Analyze Aquarius satellite sea surface salinity measurements using an ocean state estimation system to assess the quality of data and to prepare for the observations' scientific exploitation.	
Jet Propulsion Lab	\$42,000
<u>New JPL 1279251 - Cassini IDS Orbital Phase</u>	
Owen, Tobias	Institute for Astronomy
To work with results from the orbiter and the probe regarding the origin of Saturn and the origin and early evolution of the atmosphere of Titan.	
Jet Propulsion Lab	\$53,636
<u>Surface and Atmosphere Geochemical Explorer Mission (Phase A Option)</u>	
Sharma, Shiv K	Hawaii Institute of Geophysics and Planetology
Assist in the development of the Raman Spectrometer.	

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Research

Mainland- Business and Other

National Renewable Energy Lab	\$121,426
<u>Study on the Effects of Defects in PEMFC MEA Components, Phase 2</u>	
Rocheleau, Richard E	Hawaii Natural Energy Institute
Under the direction of the National Renewable Energy Laboratory (NREL) Technical Monitor (TM), HNEI will develop a methodology to characterize the effects that localized variations in MEA component material parameters have on fuel cell performance and durability (Phase 2 work).	
SWCA Environmental Consultants	\$135,000
<u>Statewide Noxious Invasive Plant Program (SNIPP)</u>	
Duffy, David C	Department of Botany
Perform survey of priority invasive and native plant species along Oahu roadways, report the data via GIS database, and conduct control of target invasive species.	
Sound and Sea Technology, Inc.	\$130,143
<u>OTEC Site Assessment and Survey for Sound and Sea, Inc.</u>	
Ericksen, Todd L.	Hawaii Institute of Geophysics and Planetology
Conduct oceanographic and seafloor surveys of potential sites for Ocean Thermal Energy Conversion (OTEC) deployment for US Navy, as subcontracts to Sound and Sea, Inc.	
Space Telescope Science Institute	\$77,981
<u>Resolving the Smallest Galaxies with ACS</u>	
Tully, R Brent	Institute for Astronomy
We are using Hubble instruments for 2-band imaging of newly discovered faint dwarf galaxy candidates displaying evidence for resolved stellar populations in our large MegaCam M81 group survey.	

Mainland- Non-Profit Organizations

Association of Universities for Rsch in Astronomy, Inc (AURA)	\$250,000
<u>Cryo-NIRSP</u>	
Kuhn, Jeffrey R.	Institute for Astronomy
The scope of the preliminary design phase is for IfA to develop and present a sufficiently detailed Cryo-NIRSP design to AURA such that AURA can determine if the presented design meets the specified requirements, maintains specified interfaces to other ATST assemblies and systems, and can be constructed within acceptable time and cost parameters.	
Association of Universities for Rsch in Astronomy, Inc (AURA)	\$250,000
<u>Preliminary Design and Development of the Diffraction-Limited Near-IR Spectropolarimeter</u>	
Lin, Haosheng	Institute for Astronomy
Design work for the diffraction-limited near-infrared spectro-polarimeter (DL-NIRSP)	

National Aeronautics and Space Administration

National Aeronautics & Space Administration	\$100,000
<u>Eclipse Observations of Heavy Ions, Neutral and Dust Grains in the Solar Corona</u>	
Habbal, Shadia R	Institute for Astronomy
Observations of the total solar eclipses in 2008, 2009, and 2010 will study the coronal magnetic field and the underlying physical processes shaping the solar corona. The resulting data should provide powerful diagnostic tools for exploring the physics of the corona and the acceleration region of the solar wind.	

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Research

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$26,000

ANITA: Antarctic Impulsive Transient Antenna

Gorham, Peter W Department of Physics and Astronomy

To fly a long duration balloon mission to address the question of the nature and origin of the highest energy cosmic rays, and the ultimate limits of energy in the universe.

National Aeronautics & Space Administration \$47,711

Early Historic Landscapes of Cambodia's Mekong Delta

Stark, Miriam T Department of Anthropology

The proposed archaeological research uses remote sensing data to study changing patterns of settlement and land-use in southern Cambodia (c. 500 BC - AD 500) from an historical ecological viewpoint. Funding is also requested to develop an integrated GIS database for heritage management and to train Cambodians to use it to manage their archaeological resources.

National Aeronautics & Space Administration \$47,919

Measuring Cluster Properties and Flows From Cosmic Microwave Background WMAP and X-ray Data

Ebeling, Harald Institute for Astronomy

Reflecting the importance of galaxy clusters for a wide range of extragalactic research topics, the science goals addressed by this project are numerous, from the physical mechanisms governing galaxy evolution, to investigations into the nature and properties of dark matter and dark energy.

National Aeronautics & Space Administration \$55,040

CIRS Proposal

Owen, Tobias Institute for Astronomy

Interpretation of abundances of gases and isotopic ratios determined in the atmospheres of Saturn and Titan. Will also be looking for evidence of organic material on the surfaces of the icy satellites and in Saturn's rings.

National Aeronautics & Space Administration \$171,000

Support Services, Maintenance and Calibration of the TLRs-4 System

Kuhn, Jeffrey R. Institute for Astronomy

To continue the history of Haleakala as one of two fixed, well-defined geometric reference points in NASA's tectonic motion data solution.

National Science Foundation

National Science Foundation \$60,000

International Collaboration in Chemistry: Redox Control of Chemical Bond Forming Reactions

Vicic, David Department of Chemistry

To develop electrocatalytic methods for enantioselective chemical bond forming reactions based on one-electron redox chemistry, with parallel efforts to identify new catalysts.

National Science Foundation \$350,873

Experimental Insights into Crystallization of Hydrous Basaltic Andesite

Hammer, Julia Eve Department of Geology and Geophysics

This proposal plans to investigate crystallization kinetics, melt inclusion entrapment, and isotopic fractionation in hydrous magma of mafic-intermediate composition using dynamic cooling and decompression experiments.

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Research

National Science Foundation

National Science Foundation \$126,634

Collaborative Research: Volcanic Eruptions on the Galapagos Spreading Center: Effect of Variable Magma Supply on Eruption and Magma Chamber Processes on Mid-Ocean Ridges

Sinton, John M Department of Geology and Geophysics

Geological study of volcanic eruptions along the Galapagos Spreading Center, using submersible, surveying and geochemical analyses of rocks.

National Science Foundation \$27,000

CPATH-2: Collaborative Research: Broadening Studio-Based Learning in Computing Education

Crosby, Martha E Department of Information and Computer Sciences

This collaborative project involves the University of Hawaii, Washington State University and Auburn University along with several other participating programs. This project implements and evaluates how studio-based learning techniques can be used to restructure computing education across the computer science curriculum.

National Science Foundation \$693,328

Collaborative Research: Pacific Research Center for Marine Biomedicine

Laws, Edward A Department of Oceanography

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

National Science Foundation \$319,714

Comparative and Computational Approaches to the Evolution of Myelin

Hartline, Daniel K Pacific Biosciences Research Center

To establish the structural, functional and ecological commonalities among invertebrate and vertebrate myelin to gain insight into the evolution of myelin in nervous systems.

National Science Foundation \$999,959

CREST: Center in Tropical Ecology & Evolution in Marine and Terrestrial Environments

Price, Donald Natural Sciences-UHH

Center for Research Excellence in Science & Technology

National Science Foundation \$815,490

ALOHA Cabled Observatory: Installation and Operation

Howe, Bruce M Department of Ocean and Resources Engineering

Renewal funding to complete the ALOHA Cabled Observatory (NSF OCE 02-16164 and OCE 0652430). This next phase of the project will complete the installation of the ACO and begin operations.

National Science Foundation \$17,250

Collaborative Research: Pacific Research Center for Marine Biomedicine

Laws, Edward A Department of Oceanography

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

National Science Foundation \$16,000

CPATH-2: Collaborative Research: Broadening Studio-Based Learning in Computing Education

Crosby, Martha E Department of Information and Computer Sciences

This collaborative project involves the University of Hawaii, Washington State University and Auburn University along with several other participating programs. This project implements and evaluates how studio-based

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National Science Foundation

learning techniques can be used to restructure computing education across the computer science curriculum.

US Colleges and Universities

Alaska, University of	\$150,150
<u>Operational Support of Infrasound Station I59US of the International Monitoring System (IMS)</u>	
Garces, Milton A	Hawaii Institute of Geophysics and Planetology
Operate, maintain and upgrade/sustain the I59 infrasound site in Hawaii.	
California Davis, University of	\$4,985
<u>Survey of the Invasive Odorous House Ant, Tapinoma sessile, in Upcountry Maui, Hawaii</u>	
Krushelnycky, Paul D	Department of Plant and Environmental Protection Sciences
The project will conduct a survey of upcountry Maui to determine the distribution of a known population of the odorous house ant, search for additional populations in the area, and propose appropriate management actions for this invasive species.	
California Irvine, University of	\$230,606
<u>Genetic Signatures of Dengue Virus Emergence</u>	
Bennett, Shannon N	Dept of Trop Med, Medical Microbiology and Pharmacology
Dengue virus, causing fever with occasional hemorrhaging, is expanding worldwide, producing more frequent, severe epidemics. Evidence suggests genetic changes in circulating viruses underlie these dynamics. We compare virus sequence data from multiple populations all undergoing endemic/epidemic transitions for a universal genetic factor.	
Case Western Reserve University	\$86,065
<u>Metabolic Consequences of Thymidine Sparing Regimens</u>	
Gerschenson, Mariana	John A. Burns School of Medicine
Perform laboratory assays on samples submitted by Case Western.	
Cincinnati, University of	\$155,571
<u>Food Intake and Obesity in Cloned Mice</u>	
Yamazaki, Yukiko	Dept Anatomy, Biochemistry, Physiology and Reproductive Biol
The major goal of this project is to examine the food intake and obesity in mice cloned from adult somatic cells.	
Colorado School of Mines	\$68,905
<u>Renewable Biosolar Hydrogen Production from Robust Oxygen Phototrophs - Subcontract</u>	
Brown, Susan L.	Department of Oceanography
We will isolate, maintain and provide algal strains to collaborators for screening of hydrogenase activity.	

Gifts, Grants, and Contracts for May 2010

Research

US Colleges and Universities

Massachusetts Inst of Technology \$14,900

Optical Redesign of MORIS: Design-detail and Fabrication

Bus, Schelte J II Institute for Astronomy

Collaboration with Massachusetts Institute of Technology in the redesign and initial fabrication of instrumentation to be eventually used at the NASA Infrared Telescope Facility (IRTF).

Rhode Island, University of \$18,939

Advanced Coupled Atmosphere-Wave-Ocean Modeling for Improving Tropical Cyclone Prediction Models

Lukas, Roger B Department of Oceanography

Collaborate with Co-PIs to develop strategies from improved air-sea exchange parameterizations in operational hurricane prediction models.

Subcount: 95 Subtotal: \$18,683,220

Non-Research

DA-Dept of Agriculture

Agriculture, Dept - Forest Service-FED \$30,000

IPIF Support for Pacific Internship Programs for Exploring Sciences (PIPES)

Ziegler-Chong, Sharon Pacific Aquaculture-UHH

Identify, recruit and mentor undergraduate college interns from underserved communities so that they might become familiar with issues and careers in natural resource ecology and management

Agriculture, Dept - Natl Institute of Food and Agriculture \$374,400

Agricultural Development in the American Pacific, Year 23

Hashimoto, Andrew G College of Tropical Agriculture and Human Resources

Agricultural development in the American Pacific through the collaborative efforts of the Pacific Land Grant Institutions of Hawaii, Alaska, and the US-Affiliated Pacific Islands, and through the focused resources of the consortium on priority areas of common concern and interest.

Agriculture, Dept - Natl Institute of Food and Agriculture \$71,808

Hawaii Diabetes Detection & Prevention Project

Zee, Julia M Department of Human Nutrition, Food and Animal Sciences

The Hawaii diabetes Detection and Prevention Project is a community-based, Extension program to increase public awareness of diabetes, risk factors for diabetes, and healthy living behaviors to prevent or delay diabetes and related complications through community screening events and educational outreach.

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept - Ctrs for Disease Cntrl & Prvntn (CDC) \$561,046

NPCR Planning Grant - Pacific Regional Central Cancer Registry

Buenconsejo-Lum, Lee Department of Family Medicine and Community Health

Work with the US Affiliated Pacific Island (USAPI) Jurisdictions to develop the capacity for a cancer registry in each jurisdiction and the USAPI Pacific Region. This will improve the quality of cancer-related health information and ultimately improve the quality of health care provided in each of the USAPI jurisdictions.

Gifts, Grants, and Contracts for May 2010

Non-Research

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept - Ofc of the Natl Coord for Health Inf Tech (ONC) \$16,091,390
Hawaii County Beacon Community Consortium
Pellegrin, Karen College of Pharmacy-UHH
Health Information Technology in Hawaii County

Health & Human Svc, Dept/NIH - Natl Inst of Diabetes,Digestive,Kidney Dis \$453,404
High School Students Step-Up to Biomedical Research
Hui, George S N Dept of Trop Med, Medical Microbiology and Pharmacology
Provide biomedical research training for high school students of ethnic minority and economically disadvantaged background.

DOC-Dept of Commerce

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$70,000
Regional Extension Network Support RMI
Grau, E Gordon Sea Grant College Program
Regional Extension Network Support in the Republic of the Marshall Islands.

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$3,507
HIMB-NOAA Fellowship Program
Lemus, Judith D Hawaii Institute of Marine Biology
To place Hawaii graduate and undergraduate student fellows, particularly underrepresented minorities such as those of Native Hawaiian and Pacific Islander ancestry, in NOAA Pacific Region agency offices for one-year paid internships to acquire "real world" job experiences and skills.

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$59,500
The Pilina Kumu Aina, or Connecting to the Teaching Land Program
Duffy, David C Department of Botany
Conduct environmental education program on the Big Island, emphasizing a combination of classroom based lessons and field studies

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$33,000
Bid Charter of R/V Ka'imikai-O-Kanaloa to NDBC for 2010 Operations
Shor, Alexander N School of Ocean and Earth Science and Technology
Provide research vessel and technical support personnel to support NOAA buoy recovery and related operations.

DOD-Department of Defense

Defense, Dept - Advanced Rsch Proj Agency \$175,560
Memorandum of Agreement Regarding High Performance Communication Cooperation
Lassner, David K Information Technology Services
Provision of Trans-Pacific Network capacity between Hawaii and California for Defense Research and Engineering Network (DREN).

Gifts, Grants, and Contracts for May 2010

Non-Research

DOD-Department of Defense

Defense, Dept - Office of Naval Research \$445,800
Research Vessel Operations and At-Sea Technical Services, University of Hawaii 2009-2011
Shor, Alexander N School of Ocean and Earth Science and Technology
To provide ONR with ship time and technical support in 2009 on R/V Kilo Moana.

DOE-Dept of Energy

Energy, Dept - FED \$308,682
Intergovernmental Personnel Assignment for Eric Miller
Miller, Eric L Hawaii Natural Energy Institute
Dr. Miller will serve as Technology Development Manager in the Fuel Cell Technologies Program. Dr. Miller will return to the UH with a broader perspective of the Federal role in the field of solar energy as he resumes responsibility to advance the energy sub-curriculum at UH and his research program.

Energy, Dept - FED \$2,500,000
Integrated Education and Research in Clean Energy and Island Sustainability
Kuh, Anthony Department of Electrical Engineering
This project will develop a new cross-disciplinary program at the University of Hawai'i Manoa that will include research and curricula in the areas of renewable energy, energy efficiency, and smart grid technologies. The program will produce graduates at the B.S., M.S., and Ph.D. that are trained to get energy related jobs.

ED-Dept of Education

Education, Dept - FED \$199,996
Preparing Distance Education Leaders in Evidence-Based Practices to Serve Multicultural Populations
Cook, Bryan Department of Special Education
This project will train 6 Ph.D. in Education, Exceptionalities Specialization scholars with a focus on evidence-based practices, distance education, and multiculturalism. Trainees will receive financial support for four years.

Federal Agencies

National Fdn on the Arts & Humanities-Natl Endow for the Arts \$7,500
MANOA: A Pacific Journal of International Writing
Stewart, R F Department of English
Publication of two issues of an international literary journal.

Foreign

SBI ALA promo Co., Ltd \$1,055,814
Use of the Dietary Supplement 5-ALA and its Relationship with Signs and Symptoms of Type II Diabetes
Rodriguez, Beatriz L Department of Complementary and Alternative Medicine
Double blinded randomized parallel-group comparison study to investigate if a relationship exists between the administration of dietary supplements containing 5-ALA and SFC and the signs and symptoms of Type II diabetes.

Gifts, Grants, and Contracts for May 2010

Non-Research

Hawaii- Business and Other

Bishop Museum \$17,000

Systematics of Papua New Guinean Microhylid Frogs: Graduate Support for Julio Rivera

Butler, Marguerite Department of Zoology

Funds are being transferred from NSF funded project at Bishop Museum to support graduate training for Julio Rivera. Rivera will be producing a molecular phylogeny or pedigree of the microhylid frogs of Papua New Guinea.

Kamehameha Schools \$9,900

Special Tabulations of 2009 YRBS Data for Native Hawaiian Students

Saka, Susan M Curriculum Research and Development Group

Provide data analysis and tables from the 2009 Hawaii Youth Risk Behavior Surveys for Hawaiian and non Hawaiian students.

Hawaii- Dept of Education

Education, Dept - HI \$50,000

Coordination & Administration of 2009 High School Hawaii Youth Risk Behavior Survey

Saka, Susan M Curriculum Research and Development Group

Coordinate the administration of the 2009 Hawaii Youth Risk Behavior Survey *YRBS) to selected high school students. Prepare state-level report(s) of the results of the 2007 YRBS.

Education, Dept - HI \$68,378

Kauai M.Ed. Programs for Teacher Professional Development

Pateman, Neil A College of Education

To offer a Secondary Master of Education in Curriculum Studies to teachers wishing to specialize in science or mathematics education.

Education, Dept - HI \$1,399,415

Felix Consent Decree Recruitment and Retention Personnel Plan

Sorensen, Christine College of Education

A recruitment and retention personnel plan designed to build a sustained in-state capacity to produce additional Special Education teachers eligible for initial teaching licensure each year by the College of Education, specifically and deliberately prepared for career employment in the Hawaii Public Schools. Also, mentor program is used to help with retention of teachers.

Hawaii- Government Agencies

Acctg & General Svc, Dept - State Fdn on Culture & the Arts-HI \$6,479

World Performance Series -2010

Slaughter, Timothy Roy Outreach Community Programs

Performances and educational services by touring artists from around the world.

Acctg & General Svc, Dept - State Fdn on Culture & the Arts-HI \$13,144

Jingju (Beijing Opera) Residency 2009-10

Wichmann-Walczak, E A Department of Theatre and Dance

Intensive, semester-long Jingju training in movement, combat, song, and instrumental music, taught by master artists from China, culminating in fully-staged, public English-language performances at Kennedy Theatre of the classic Jingju THE WHITE SNAKE by UHM students, and "A Concert of Chinese Theatre song" by the guest artists and members of the local Chinese community.

Gifts, Grants, and Contracts for May 2010

Non-Research

Hawaii- Government Agencies

Acctg & General Svc, Dept - State Fdn on Culture & the Arts-HI	\$5,550
<u>Bertolt Brechts's "Judith of Shimoda"</u>	
Wessendorf, Markus W	Department of Theatre and Dance
The first English language production of a recently reconstructed Bertolt Brecht play, involving the internationally acclaimed Singaporean director Ong Keng Sen as artistic consultant.	
Acctg & General Svc, Dept - State Fdn on Culture & the Arts-HI	\$4,836
<u>Manoa: A Pacific Journal of International Writing -2010</u>	
Stewart, R F	Department of English
Publication of two issues of an international literary journal each year.	
Acctg & General Svc, Dept - State Fdn on Culture & the Arts-HI	\$3,803
<u>Special Exhibitions Program</u>	
Yoshihara, Lisa	Department of Art and Art History
(July 1, 2009 - May 30, 2010) 2 exhibitions, 1 brochure for the "Alumni Invitational Exhibition" and the "History Respect: Contemporary Art from Korea."	
Acctg & General Svc, Dept - State Fdn on Culture & the Arts-HI	\$8,429
<u>Arts Aloha 2010</u>	
Patti, Joseph S	Chancellor, Leeward Community College
Present performances and outreach opportunities to Oahu audiences.	
Acctg & General Svc, Dept - State Fdn on Culture & the Arts-HI	\$2,172
<u>Intersections Visiting Artist/Scholar Program</u>	
Hamilton, Jaimey E	Art Dept-UHH
Funding for a lecture and residency series of visiting artists and scholars.	
Acctg & General Svc, Dept - State Fdn on Culture & the Arts-HI	\$1,086
<u>Tom Klobe Exhibition Design Lecture Series</u>	
Kosasa, Karen	College of Arts and Humanities
3 video lecture series on Exhibition Design with Tom Klobe, former UH Art Gallery director.	
County of Hawaii	\$10,000
<u>Wayfinding & Navigation Festival 2010</u>	
Tseng, Rose	Chancellor, University of Hawaii at Hilo-UHH
Provide audience participants of all ages with a basic introduction to the techniques and traditions involved with non-instrument navigation on Polynesian voyaging canoes at the 3rd annual Wayfinding & Navigation Festival at Imiloa	
Defense, Dept - Civil Defense-HI	\$45,000
<u>Natural Hazards</u>	
<u>Outreach and Teacher Training Workshops</u>	
Thomas, Donald M	Natural Sciences-UHH

Gifts, Grants, and Contracts for May 2010

Non-Research

Hawaii- Government Agencies

Educational outreach conducted by UH Hilo, Center for the Study of Active Volcanoes

Health, Dept - Family Health Services Div-HI	\$43,000
<u>Family Planning Services at UH Hilo (Fed)</u>	
Hong, Luoluo	Vice Chancellor for Student Affairs-UHH
Provide family planning services to students/faculty at UH Hilo	
Health, Dept - HI	\$43,000
<u>Family Planning Services at UH Hilo</u>	
Hong, Luoluo	Vice Chancellor for Student Affairs-UHH
Provide family planning services to students/faculty at UH Hilo	
Health, Dept - HI	\$650,000
<u>Diesel Emission Reduction of UH Manoa Trucks</u>	
Adams, Roxanne M	Buildings & Grounds Management Office
The Department of Health, State of Hawaii, is providing incentives under a federal grant awarded via the US EPA States Clean Diesel Program to reduce diesel emissions in the State of Hawaii by providing monies for the replacement of three (3) older diesel-fueled trucks used on and around the Manoa campus.	
Health, Dept - HI	\$334,000
<u>Workforce Development Demonstration Project</u>	
Stodden, Robert A	Center on Disability Studies
To foster the collaboration among University of Hawaii Center on Disability Studies, Department of Human Services, Department of Labor and Industrial Relations and Department of Health for improving employment opportunities and related supports for person with disabilities.	
Health, Dept - HI	\$9,500
<u>Youth Summit for Teen Suicide Prevention</u>	
Goebert, Deborah A	Department of Psychiatry
Facilitate, coordinate, and conduct all aspects of 2990 "Braveheart: Youth Summit for Teen Suicide Prevention."	
Health, Dept - HI	\$77,000
<u>Certified Nurses' Aide Program</u>	
Shigehara, Deborah	Chancellor, Hawaii Community College
To provide training to individuals seeking to obtain a Certified Nurses' Aide certification and/or to further their education in the medical/health.	
Human Services, Dept - HI	\$75,000
<u>Nutrition Consultation and Review</u>	
Kanehiro, Naomi A	CTAHR Cooperative Extension Service
The goal of this project is to promote and support quality nutrition services provided by licensed child care providers and thereby contribute to the health and safety of the children enrolled.	

Gifts, Grants, and Contracts for May 2010

Non-Research

Hawaii- Government Agencies

Human Services, Dept - HI \$464,342

Title IV-E: CFS-Distance Education FY07-08

Stotzer, Rebecca School of Social Work

Provide distance learning training to meet the training needs identified in the DHS five-year Child and Family Services Plan (CFSP).

Land & Natural Res, Dept - HI \$9,900

Designing a Plant Pono Website

Duffy, David C Department of Botany

Design a user-friendly website on invasive plants, including information on non-invasive alternatives, for the public and plant industry.

Hawaii- Health Organizations

Castle Medical Center \$15,139

Reimbursement Agreement Fiscal Year 2010-2011, Agreement No. SF10/11-CMC-OME

Sakai, Damon H John A. Burns School of Medicine

Agreement to provide physician and physician related services.

Kapiolani Medical Center for Women & Children \$44,291

Reimbursement Agreement - FY2011, Agreement No. SF11-KMCWC-SURG

Takanishi, Danny M Jr. Department of Surgery

Agreement to provide physician and physician related services for Fiscal Year 2011.

Kapiolani Medical Center for Women & Children \$326,602

Reimbursement Agreement - FY2011, Agreement No. SF11-KMCWC-PEDS

Rudoy, Raul C Department of Pediatrics

Agreement to provide physician and physician related services for FY2011.

Kapiolani Medical Specialists \$390,779

Reimbursement Agreement - FY2011 Agreement No. SF11-KMS-PSYCH

Guerrero, Anthony P Department of Psychiatry

Agreement to provide physician and physician related services for FY2011.

Kapiolani Medical Specialists \$1,720,401

Reimbursement Agreement FY2011 - Agreement No. SF11-KMS-PEDS

Rudoy, Raul C Department of Pediatrics

Agreement to provide physician and physician related services for Fiscal Year 2011.

Gifts, Grants, and Contracts for May 2010

Non-Research

Hawaii- Non-Profit Organizations

Hawaii Community Foundation (HCF) <u>UHH Visiting Artist Program 2010</u> Marshall, Michael	Humanities-UHH	\$5,000
Maui Economic Opportunity, Inc <u>Green Building and Energy Management</u> Sakamoto, Clyde M	Chancellor, University of Hawaii Maui College	\$20,000
Basic training program, one week - five days in green building design and energy management techniques including energy auditing techniques. Performance measurement and testing and building science basics. This program is a non credit program and precursor to energy auditing certification.		
Pacific Resources for Education & Learning <u>An Evaluation of the Mathematics and Culture in Micronesia Integrating Societal Experiences (MACIMISE) Program</u> Higa, Terry Ann	Curriculum Research and Development Group	\$20,000
In collaboration with the project leaders and advisory council, the evaluators will develop an evaluation design and develop and implement a work plan for the first year. The evaluation will have formative and summative components. The evaluation will address issues of evaluation cultural competence.		
University of Hawaii Foundation <u>WCC/UHF General Support</u> Dykstra, Douglas	Chancellor, Windward Community College	\$10,000
Account established to make payments to UH employees with UHF funds.		
University of Hawaii Foundation <u>Le'a Publication Series</u> Matsuoka, Jon K	School of Social Work	\$30,000
To hire editors for the Le'a Publication Series to oversee the publication of a book and journal series.		
University of Hawaii Foundation <u>Center for Korean Studies Educational Activities</u> Sohn, Ho-Min	Center for Korean Studies	\$2,500
To fund educational activities of the Center - honorariums and faculty overloads.		
University of Hawaii Foundation <u>Arts & Humanities Faculty Support</u> Lee, Hye-Ryeon	College of Arts and Humanities	\$7,275
To support the salaries and fringe benefits costs of faculty in the College of Arts and Humanities.		
University of Hawaii Foundation <u>Waikiki Ecosystem Restoration Project (Phase II)</u> Grau, E Gordon	Sea Grant College Program	\$40,200
To support a position for a UH Sea Grant College Program Extension Coordinator who is primarily dedicated to the Waikiki Ecosystem Restoration Project.		

Gifts, Grants, and Contracts for May 2010

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$200
Yehan Numata Chair
Baroni, Helen J Department of Religion
To support the teaching and research activities of an internationally-recognized Buddhist Studies scholar.

University of Hawaii Foundation \$45,500
WCC/UHF Pacific Initiative for Environmental Studies
Krupp, David A Chancellor, Windward Community College
Environmental science education and outreach to undergraduates and K-12.

Mainland- Business and Other

Gilead Sciences, Inc \$105,410
A Phase 3, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of Elvitegravir/Emtricitabine/Tenofovir Disoproxil Fumarate/GS-9350 Vers
Shikuma, Cecilia M Department of Medicine
To test experimental HIV treatment on human subjects.

RK Consulting \$20,000
Rob Knourek MALT Internship
Hoffman, Mark G Chancellor, University of Hawaii Maui College
Training in the development of database applications for the internet.

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$575,000
The Hawaii Space Grant Consortium: 2010-2015 Plan for NASA Workforce Development
Flynn, Luke Paul Hawaii Institute of Geophysics and Planetology
The proposed effort outlines a 5-year plan for the Hawaii Space Grant Consortium to continue its support of NASA's strategic goals, NASA science education and workforce development activities.

National Science Foundation

National Science Foundation \$563,270
SUPER-M: School and University Partnership for Educational Renewal in Mathematics
Chyba, Monique Department of Mathematics
This request is for supplemental funding for an international component for John Marriott, a GK-12 fellow. The activities in this proposal will greatly advance John's Ph.D. research, provide education in the area of control theory, and further his understanding of K-12 issues by study of other educational systems.

National Science Foundation \$20,000
Solar Polarization Workshop 6: A New Era for Solar Polarimetry; Maui, Hawaii; May 31 - June 4, 2010
Kuhn, Jeffrey R. Institute for Astronomy
SPW6 Conference to focus attention on Advanced Technology Solar Telescope (ATST), and on building the community and rapidly advancing the science and technology that will advance our understanding of the solar atmosphere.

Gifts, Grants, and Contracts for May 2010

Non-Research

National Science Foundation

National Science Foundation \$716,368

MRI-R2: Acquisition of IRMS Instruments for Stable Isotope Analyses of New Geobiological Substrates

Jahren, Hope Department of Geology and Geophysics

We request funds to obtain three stable isotope mass spectrometers. These instruments would make five new Broad Areas of interdisciplinary science possible at UH: 1. Specific biological compounds; 2. Geobiological tissues; 3. Soluble organic matter; 4. Environmental water; and 5. Isotopically labeled substrates.

National Science Foundation \$250,000

Hawaiian Values Science and Technology, Phase II

Juvik, Sonia P Social Sciences-UHH - Division Office

National Science Foundation \$592,716

Student Tuition Aid for Research and Transfer in Urban Polynesia (START UP)

Moeng, Robert S Chancellor, Kapiolani Community College

Create scholarships for current and future STEM students to pursue research at Kapiolani Community College and facilitate their successful transfer to UH Manoa, or another four-year baccalaureate institution in the natural sciences, technology programs, engineering and mathematics disciplines.

US Colleges and Universities

Washington, University of \$48,475

Ocean Observatories Initiative Regional Scale Nodes Project Scientist

Luther, Douglas S Department of Oceanography

Dr. Doug Luther (University of Hawaii) will provide support for the University of Washington Ocean, Observatories Initiative Regional Scale Nodes Office in developing community engagement with the Regional Cabled Observatory in the NE Pacific.

Subcount: 65 Subtotal: \$31,361,467

Count: 160 Total: \$50,044,687

Funds Received from UH Foundation for 05/01/2010 - 05/31/2010

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$200
"Yehan Numata Chair"	
Baroni, Helen J	Department of Religion
To support the teaching and research activities of an internationally-recognized Buddhist Studies scholar.	
University of Hawaii Foundation	\$10,000
"WCC/UHF General Support"	
Dykstra, Douglas	Chancellor, Windward Community College
Account established to make payments to UH employees with UHF funds.	
University of Hawaii Foundation	\$40,200
"Waikiki Ecosystem Restoration Project (Phase II)"	
Grau, E Gordon	Sea Grant College Program
To support a position for a UH Sea Grant College Program Extension Coordinator who is primarily dedicated to the Waikiki Ecosystem Restoration Project.	
University of Hawaii Foundation	\$45,500
"WCC/UHF Pacific Initiative for Environmental Studies"	
Krupp, David A	Chancellor, Windward Community College
Environmental science education and outreach to undergraduates and K-12.	
University of Hawaii Foundation	\$7,275
"Arts & Humanities Faculty Support"	
Lee, Hye-Ryeon	College of Arts and Humanities
To support the salaries and fringe benefits costs of faculty in the College of Arts and Humanities.	
University of Hawaii Foundation	\$30,000
"Le'a Publication Series"	
Matsuoka, Jon K	School of Social Work
To hire editors for the Le'a Publication Series to oversee the publication of a book and journal series.	
University of Hawaii Foundation	\$2,500
"Center for Korean Studies Educational Activities"	
Sohn, Ho-Min	Center for Korean Studies
To fund educational activities of the Center - honorariums and faculty overloads.	

Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$19,219
"CRCH Traineeship"	
Carbone, Michele	Cancer Research Center
Support of CRCH activity: 2008 Meiji Yasuda summer research fellowships.	

Funds Received from UH Foundation for 05/01/2010 - 05/31/2010

Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$102,202

"The Hawaii Initiative for Childhood Obesity Research and Education"

Rudoy, Raul C Department of Pediatrics

HICORE's mission is to provide leadership of a collaborative, multi-disciplinary effort in research and education on childhood/adolescent obesity in Hawaii. This effort will bring together individuals, community, and organizations in Hawaii, to understand and address the childhood obesity epidemic in Hawaii especially the most vulnerable of Hawaii's children and families.

Count: 9

Total: \$257,096

**Extramural Research Awards
for the Month of
May 2010
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DHHS-Dept of Health and Human Services	2	\$514,581	2.75%
DOC-Dept of Commerce	4	\$6,206,957	33.22%
DOD-Department of Defense	8	\$1,391,472	7.45%
DOE-Dept of Energy	2	\$186,660	1.00%
DOI-Dept of Interior	8	\$348,895	1.87%
Foreign	1	\$7,315	0.04%
Hawaii- Business and Other	5	\$432,108	2.31%
Hawaii- Government Agencies	19	\$3,311,877	17.73%
Hawaii- Health Organizations	1	\$70,503	0.38%
Hawaii- Non-Profit Organizations	8	\$486,396	2.60%
Mainland- Business and Other	11	\$622,417	3.33%
Mainland- Non-Profit Organizations	2	\$500,000	2.68%
National Aeronautics and Space Administration	6	\$447,670	2.40%
National Science Foundation	10	\$3,426,248	18.34%
US Colleges and Universities	8	\$730,121	3.91%
Total:	<u>95</u>	<u>\$18,683,220</u>	<u>100%</u>

**Extramural Non-Research Awards
for the Month of
May 2010
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	3	\$476,208	1.52%
DHHS-Dept of Health and Human Services	3	\$17,105,840	54.54%
DOC-Dept of Commerce	4	\$166,007	0.53%
DOD-Department of Defense	2	\$621,360	1.98%
DOE-Dept of Energy	2	\$2,808,682	8.96%
ED-Dept of Education	1	\$199,996	0.64%
Federal Agencies	1	\$7,500	0.02%
Foreign	1	\$1,055,814	3.37%
Hawaii- Business and Other	2	\$26,900	0.09%
Hawaii- Dept of Education	3	\$1,517,793	4.84%
Hawaii- Government Agencies	19	\$1,806,241	5.76%
Hawaii- Health Organizations	5	\$2,497,212	7.96%
Hawaii- Non-Profit Organizations	10	\$180,675	0.58%
Mainland- Business and Other	2	\$125,410	0.40%
National Aeronautics and Space Administration	1	\$575,000	1.83%
National Science Foundation	5	\$2,142,354	6.83%
US Colleges and Universities	1	\$48,475	0.15%
Total:	<u>65</u>	<u>\$31,361,467</u>	<u>100%</u>

**Extramural Research Awards
Year to Date: 07/01/09 - 05/31/10
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	47	\$6,479,273	2.68%
DHHS-Dept of Health and Human Services	97	\$47,769,512	19.77%
DOC-Dept of Commerce	75	\$31,941,524	13.22%
DOD-Department of Defense	91	\$42,334,037	17.52%
DOE-Dept of Energy	16	\$4,963,793	2.05%
DOI-Dept of Interior	62	\$4,637,383	1.92%
ED-Dept of Education	7	\$1,565,663	0.65%
Federal Agencies	5	\$872,152	0.36%
Foreign	21	\$2,407,313	1.00%
Hawaii- Business and Other	32	\$1,844,575	0.76%
Hawaii- Dept of Education	1	\$45,662	0.02%
Hawaii- Government Agencies	136	\$19,597,289	8.11%
Hawaii- Health Organizations	10	\$836,590	0.35%
Hawaii- Non-Profit Organizations	58	\$4,085,562	1.69%
Mainland- Business and Other	77	\$7,779,691	3.22%
Mainland- Health Organizations	17	\$2,484,480	1.03%
Mainland- Non-Profit Organizations	31	\$2,696,953	1.12%
Miscellaneous	1	\$11,750	0.00%
National Aeronautics and Space Administration	76	\$11,997,675	4.97%
National Science Foundation	109	\$37,598,285	15.56%
US Colleges and Universities	100	\$9,680,942	4.01%
Total:	<u>1069</u>	<u>\$241,630,104</u>	<u>100%</u>

Note: YTD amounts include adjustments.

Extramural Non-Research Awards
Year to Date: 07/01/09 - 05/31/10
Distribution by Sponsors

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	17	\$3,848,180	2.41%
DHHS-Dept of Health and Human Services	41	\$27,914,767	17.48%
DOC-Dept of Commerce	24	\$2,228,471	1.40%
DOD-Department of Defense	9	\$1,393,208	0.87%
DOE-Dept of Energy	2	\$2,808,682	1.76%
DOI-Dept of Interior	13	\$387,553	0.24%
ED-Dept of Education	64	\$32,313,824	20.23%
Federal Agencies	17	\$8,411,220	5.27%
Foreign	26	\$4,085,527	2.56%
Hawaii- Business and Other	37	\$4,243,172	2.66%
Hawaii- Dept of Education	16	\$2,392,060	1.50%
Hawaii- Government Agencies	131	\$19,163,970	12.00%
Hawaii- Health Organizations	35	\$12,556,384	7.86%
Hawaii- Non-Profit Organizations	108	\$7,398,719	4.63%
Mainland- Business and Other	18	\$2,880,013	1.80%
Mainland- Health Organizations	2	\$49,544	0.03%
Mainland- Non-Profit Organizations	25	\$2,451,139	1.53%
National Aeronautics and Space Administration	8	\$3,667,747	2.30%
National Science Foundation	41	\$19,656,973	12.31%
US Colleges and Universities	42	\$1,854,327	1.16%
Total:	<u>676</u>	<u>\$159,705,480</u>	<u>100%</u>

Note: YTD amounts include adjustments.