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
Operations and Management of the Maui High Performance Computing Center
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
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.

Defense, Dept - Air Force
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.

Defense, Dept - Air Force Ofc of Scientific Rsch
Untangling the Energetics and Dynamics of Elementary Atomic Boron Reactions
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
Development and Application of a Biologically Inspired Methodology for the Optimized, Multi-disciplinary and Multi-objective Design of Air Vehicles
Kobayashi, Marcelo H Department of Mechanical Engineering
Development of novel design methodologies for air vehicle design.

Defense, Dept - Army
Modeling of Hurricane Surge and Waves for Hawaii
Cheung, Kwok Fai Department of Ocean and Resources Engineering
Modeling of hurricane surge and waves for Hawaii.

Defense, Dept - Naval Research Lab
A Tropical Cyclone Genesis Forecast Model
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
Study of Mechanisms of Aerosol Indirect Effects on Glaciated Clouds
Phillips, Vaughan Department of Meteorology
Atmospheric Research
Gifts, Grants, and Contracts for May 2010

Research

DOE-Dept of Energy

Energy, Dept - FED

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

Targeted Intertidal Resource Species
Beets, James Natural Sciences-UHH

Interior, Dept - U.S. Geological Survey

Biocomplexity of Introduced Avian Diseases
Ziegler-Chong, Sharon Pacific Aquaculture-UHH

Interior, Dept - U.S. Geological Survey

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

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

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

UHH Developing Strategies: Managing Mouflon
Ziegler-Chong, Sharon Pacific Aquaculture-UHH

$134,936
$15,032
$23,078
$50,000
$37,500
$162,000
$5,000
Gifts, Grants, and Contracts for May 2010

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 biopolymers 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.
Gifts, Grants, and Contracts for May 2010

Research

Hawaii- Business and Other

Oceanit Laboratories, Inc
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
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
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
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
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
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
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.
Gifts, Grants, and Contracts for May 2010

Research

Hawaii- Government Agencies

Human Services, Dept - HI
DHS Task Order 8
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
Evaluating the Effectiveness of Restricted Fishing Areas for Improving the Bottomfish Fishery in the Main Hawaiian Islands
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
Three Mountain Alliance Planning and Management
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
Natural Area Reserves Management
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
Plant Restoration and Enhancement, Micropropagation/Storage
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
Hawaiian Forest Bird Research, 2010
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
Coordinate and Normalize Statewide Plant Extinction Prevention Program Data
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
Detection and Control of Invasive Species in Maui County
Duffy, David C
Department of Botany
Implement a county-wide strategy for early detection and control of invasive species in Maui county.
Gifts, Grants, and Contracts for May 2010

Research

Hawaii- Government Agencies

Land & Natural Res, Dept - HI $173,352
Detection and Control of Invasive Species on Oahu
Duffy, David C Department of Botany
Implement invasive species control strategies on Oahu.

Land & Natural Res, Dept - HI $28,698
Recreation Impacts to Reefs at Hawaii Coral Program Priority Site
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
Natural Area Reserves Management: Oahu
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
Trauma Informed Care at the Women's Community Correctional Center
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
Trauma Informed Care at the Women's Community Correctional Center
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
Epidemiology of Brain Aging the Very Old
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
Control of Incipient Invasive Species on Oahu
Duffy, David C Department of Botany
Survey and control selected high-threat invasive species on Oahu, including miconia, Himalayan blackberry, and pampas grass.
## Gifts, Grants, and Contracts for May 2010

### Research

#### Hawaii- Non-Profit Organizations

<table>
<thead>
<tr>
<th>Organization</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consuelo Zobel Alger Foundation</td>
<td>$150,000</td>
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<tr>
<td>Consuelo Research Faculty Project</td>
<td></td>
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<tr>
<td>Matsuoka, Jon K</td>
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<tr>
<td>School of Social Work</td>
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<tr>
<td>To provide a faculty member to undertake research in child welfare.</td>
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<tr>
<td>Hawaii Community Foundation (HCF)</td>
<td>$30,000</td>
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<tr>
<td>Community Stabilization Initiative Indicators</td>
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<td>Stern, Ivette</td>
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<tr>
<td>College of Tropical Agriculture and Human Resources</td>
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<tr>
<td>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.</td>
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<tr>
<td>Oceanic Institute - Ctr for Tropical &amp; Subtropical Aquaculture (CTSA)</td>
<td>$24,000</td>
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<tr>
<td>Improving the Hatchery Output of the Hawaiian Pink Snapper, <em>Pristipomoides filamentosus</em> to Meet Stock Enhancement and Open Ocean Expectations</td>
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<tr>
<td>Tamaru, Clyde S</td>
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<tr>
<td>Hawaii Institute of Marine Biology</td>
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<tr>
<td>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.</td>
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<tr>
<td>Oceanic Institute - Ctr for Tropical &amp; Subtropical Aquaculture (CTSA)</td>
<td>$50,000</td>
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<tr>
<td>Regional Biosecurity: Operational Biosecurity and Diagnostic Surveillance</td>
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<tr>
<td>Tamaru, Clyde S</td>
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<tr>
<td>Sea Grant College Program</td>
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<tr>
<td>Develop laboratory with PCR capacity to detect viral pathogens. Two target fish disease are Koi Herpes Virus (KHVD) and Ricketsia Like Organism (RLO).</td>
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<tr>
<td>Tri-Isle Resource Conservation &amp; Dev Council</td>
<td>$22,524</td>
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<tr>
<td>Lanai Native Species Recovery Program</td>
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<tr>
<td>Duffy, David C</td>
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<tr>
<td>Department of Botany</td>
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<tr>
<td>Conduct habitat restoration project for the endangered ‘Ua’u (Hawaiian petrel) on Lanai.</td>
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<tr>
<td>University of Hawaii Foundation</td>
<td>$19,219</td>
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<tr>
<td>CRCH Traineeship</td>
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<tr>
<td>Carbone, Michele</td>
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<tr>
<td>Cancer Research Center</td>
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<td>Support of CRCH activity: 2008 Meiji Yasuda summer research fellowships.</td>
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<tr>
<td>University of Hawaii Foundation</td>
<td>$102,202</td>
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<tr>
<td>The Hawaii Initiative for Childhood Obesity Research and Education</td>
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<tr>
<td>Rudoy, Raul C</td>
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<tr>
<td>Department of Pediatrics</td>
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<tr>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>
**Gifts, Grants, and Contracts for May 2010**

Research

**Mainland- Business and Other**

Adama Materials, Inc.  
**Development of High-Performance Nanomaterials, Nanoresins, Nanoprepregs, and Nanocomposites**  
Ghasemi Nejhad, Mehrdad N  
Department of Mechanical Engineering  
In this project, we will develop high-performance nanomaterials, nanoresins, nanoprepregs, and nanocomposites

AmericaView  
**StateView Program Development and Support for the State of Hawaii**  
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  
**StateView Program Development and Support for the State of Hawaii**  
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  
**caBIG¿ Enterprise Phase**  
Wilkens, Lynne R  
Cancer Research Center  
The applicant will participate in projects of the Vocabulary and Common Data Elements Workspace of NCI's caBIG¿ 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  
**Assessing the Quality of Aquarius Sea Surface Salinity Measurements Using an Ocean State Estimation System**  
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  
**New JPL 1279251 - Cassini IDS Orbital Phase**  
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  
**Surface and Atmosphere Geochemical Explorer Mission (Phase A Option)**  
Sharma, Shiv K  
Hawaii Institute of Geophysics and Planetology  
Assist in the development of the Raman Spectrometer.
Gifts, Grants, and Contracts for May 2010

Research

Mainland- Business and Other

National Renewable Energy Lab

Study on the Effects of Defects in PEMFC MEA Components, Phase 2
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

Statewide Noxious Invasive Plant Program (SNIPP)
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.

OTEC Site Assessment and Survey for Sound and Sea, Inc.
Erickson, 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

Resolving the Smallest Galaxies with ACS
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)

Cryo-NIRSP
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)

Preliminary Design and Development of the Diffraction-Limited Near-IR Spectropolarimeter
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

Eclipse Observations of Heavy Ions, Neutral and Dust Grains in the Solar Corona
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.
Gifts, Grants, and Contracts for May 2010

Research

National Aeronautics and Space Administration

National Aeronautics & Space Administration

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

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

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

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

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

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

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.
Gifts, Grants, and Contracts for May 2010

Research

National Science Foundation

National Science Foundation
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
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
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
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
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
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
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.

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CPATH-2: Collaborative Research: Broadening Studio-Based Learning in Computing Education
Crosby, Martha E Department of Information and Computer Sciences

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Gifts, Grants, and Contracts for May 2010

Research

National Science Foundation

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

US Colleges and Universities

Alaska, University of
Operational Support of Infrasound Station I59US of the International Monitoring System (IMS)
Garces, Milton A
Hawaii Institute of Geophysics and Planetology
Operate, maintain and upgrade/sustain the I59 infrasound site in Hawaii.

California Davis, University of
Survey of the Invasive Odorous House Ant, Tapinoma sessile, in Upcountry Maui, Hawaii
Krushelnycy, 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
Genetic Signatures of Dengue Virus Emergence
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
Metabolic Consequences of Thymidine Sparing Regimens
Gerschenson, Mariana
John A. Burns School of Medicine
Perform laboratory assays on samples submitted by Case Western.

Cincinnati, University of
Food Intake and Obesity in Cloned Mice
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
Renewable Biosolar Hydrogen Production from Robust Oxygen Phototrophs - Subcontract
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

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

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

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

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

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 & Prvtn (CDC)

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

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

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

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

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

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

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

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

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
  Bertolt Brechts’s "Judith of Shimoda"
  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.
  $5,550

Acctg & General Svc, Dept - State Fdn on Culture & the Arts-HI
  Manoa: A Pacific Journal of International Writing -2010
  Stewart, R  F  Department of English
  Publication of two issues of an international literary journal each year.
  $4,836

Acctg & General Svc, Dept - State Fdn on Culture & the Arts-HI
  Special Exhibitions Program
  Yoshinara, 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."
  $3,803

Acctg & General Svc, Dept - State Fdn on Culture & the Arts-HI
  Arts Aloha 2010
  Patti, Joseph  S  Chancellor, Leeward Community College
  Present performances and outreach opportunities to Oahu audiences.
  $8,429

Acctg & General Svc, Dept - State Fdn on Culture & the Arts-HI
  Intersections Visiting Artist/Scholar Program
  Hamilton, Jaimey E  Art Dept-UHH
  Funding for a lecture and residency series of visiting artists and scholars.
  $2,172

Acctg & General Svc, Dept - State Fdn on Culture & the Arts-HI
  Tom Klobe Exhibition Design Lecture Series
  Kosasa, Karen  College of Arts and Humanities
  3 video lecture series on Exhibition Design with Tom Klobe, former UH Art Gallery director.
  $1,086

County of Hawaii
  Wayfinding & Navigation Festival 2010
  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.
  $10,000

Defense, Dept - Civil Defense-HI
  Natural Hazards
  Outreach and Teacher Training Workshops
  Thomas, Donald  M  Natural Sciences-UHH
  $45,000
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
Family Planning Services at UH Hilo (Fed)
Hong, Luoluo
Vice Chancellor for Student Affairs-UHH
Provide family planning services to students/faculty at UH Hilo

Health, Dept - HI
Family Planning Services at UH Hilo
Hong, Luoluo
Vice Chancellor for Student Affairs-UHH
Provide family planning services to students/faculty at UH Hilo

Health, Dept - HI
Diesel Emission Reduction of UH Manoa Trucks
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
Workforce Development Demonstration Project
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
Youth Summit for Teen Suicide Prevention
Goebert, Deborah A
Department of Psychiatry
Facilitate, coordinate, and conduct all aspects of 2990 "Braveheart: Youth Summit for Teen Suicide Prevention."

Health, Dept - HI
Certified Nurses' Aide Program
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
Nutrition Consultation and Review
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
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
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
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
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
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
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
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) $5,000
UHH Visiting Artist Program 2010
Marshall, Michael Humanities-UHH

Maui Economic Opportunity, Inc $20,000
Green Building and Energy Management
Sakamoto, Clyde M Chancellor, University of Hawaii Maui College
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 $20,000
An Evaluation of the Mathematics and Culture in Micronesia Integrating Societal Experiences (MACIMISE) Program
Higa, Terry Ann Curriculum Research and Development Group
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 $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 $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.

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 $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.
Gifts, Grants, and Contracts for May 2010

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation
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
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
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
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
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
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
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**

<table>
<thead>
<tr>
<th>Institution</th>
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<td>University of Hawaii Foundation</td>
<td>$200</td>
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<td>Sea Grant College Program</td>
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<td>Matsuoka, Jon K</td>
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<td>Sohn, Ho-Min</td>
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<td>Center for Korean Studies</td>
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<td>To fund educational activities of the Center - honorariums and faculty overloads.</td>
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### Research

**Hawaii- Non-Profit Organizations**

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<td>&quot;CRCH Traineeship&quot;</td>
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<td>Carbone, Michele</td>
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<td>Cancer Research Center</td>
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<tr>
<td>Support of CRCH activity: 2008 Meiji Yasuda summer research fellowships.</td>
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</table>
Funds Received from UH Foundation for 05/01/2010 - 05/31/2010

Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation

"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

$102,202
Extramural Research Awards
for the Month of
May 2010
Distribution by Sponsors

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<th>AGENCY-UNIT</th>
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<th>AMOUNT</th>
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<td>DHHS-Dept of Health and Human Services</td>
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<td>$514,581</td>
<td>2.75%</td>
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<tr>
<td>DOC-Dept of Commerce</td>
<td>4</td>
<td>$6,206,957</td>
<td>33.22%</td>
</tr>
<tr>
<td>DOD-Department of Defense</td>
<td>8</td>
<td>$1,391,472</td>
<td>7.45%</td>
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<tr>
<td>DOE-Dept of Energy</td>
<td>2</td>
<td>$186,660</td>
<td>1.00%</td>
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<tr>
<td>DOI-Dept of Interior</td>
<td>8</td>
<td>$348,895</td>
<td>1.87%</td>
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<tr>
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<td>1</td>
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<td>Hawaii- Business and Other</td>
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<td>$432,108</td>
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<td>Hawaii- Government Agencies</td>
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<td>$3,311,877</td>
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<td>$70,503</td>
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<tr>
<td>Hawaii- Non-Profit Organizations</td>
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<td>$486,396</td>
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<tr>
<td>Mainland- Business and Other</td>
<td>11</td>
<td>$622,417</td>
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<tr>
<td>Mainland- Non-Profit Organizations</td>
<td>2</td>
<td>$500,000</td>
<td>2.68%</td>
</tr>
<tr>
<td>National Aeronautics and Space Administration</td>
<td>6</td>
<td>$447,670</td>
<td>2.40%</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>10</td>
<td>$3,426,248</td>
<td>18.34%</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
<td>8</td>
<td>$730,121</td>
<td>3.91%</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>95</strong></td>
<td><strong>$18,683,220</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
Extramural Non-Research Awards
for the Month of
May 2010
Distribution by Sponsors

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>3</td>
<td>$476,208</td>
<td>1.52%</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>3</td>
<td>$17,105,840</td>
<td>54.54%</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>4</td>
<td>$166,007</td>
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</tr>
<tr>
<td>DOD-Department of Defense</td>
<td>2</td>
<td>$621,360</td>
<td>1.98%</td>
</tr>
<tr>
<td>DOE-Dept of Energy</td>
<td>2</td>
<td>$2,808,682</td>
<td>8.96%</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>1</td>
<td>$199,996</td>
<td>0.64%</td>
</tr>
<tr>
<td>Federal Agencies</td>
<td>1</td>
<td>$7,500</td>
<td>0.02%</td>
</tr>
<tr>
<td>Foreign</td>
<td>1</td>
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</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>2</td>
<td>$26,900</td>
<td>0.09%</td>
</tr>
<tr>
<td>Hawaii- Dept of Education</td>
<td>3</td>
<td>$1,517,793</td>
<td>4.84%</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>19</td>
<td>$1,806,241</td>
<td>5.76%</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>5</td>
<td>$2,497,212</td>
<td>7.96%</td>
</tr>
<tr>
<td>Hawaii- Non-Profit Organizations</td>
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<tr>
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<tr>
<td>National Science Foundation</td>
<td>5</td>
<td>$2,142,354</td>
<td>6.83%</td>
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<tr>
<td>US Colleges and Universities</td>
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<td>0.15%</td>
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<tr>
<td><strong>Total:</strong></td>
<td><strong>65</strong></td>
<td><strong>$31,361,467</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
### Extramural Research Awards

**Year to Date: 07/01/09 - 05/31/10**

**Distribution by Sponsors**

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>47</td>
<td>$6,479,273</td>
<td>2.68%</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>97</td>
<td>$47,769,512</td>
<td>19.77%</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
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<td>$31,941,524</td>
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<tr>
<td>DOD-Department of Defense</td>
<td>91</td>
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<tr>
<td>DOE-Dept of Energy</td>
<td>16</td>
<td>$4,963,793</td>
<td>2.05%</td>
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<tr>
<td>DOI-Dept of Interior</td>
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<td>$4,637,383</td>
<td>1.92%</td>
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<td>ED-Dept of Education</td>
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<td>$1,565,663</td>
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<tr>
<td>Foreign</td>
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<td>$2,407,313</td>
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<td>Hawaii- Business and Other</td>
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<td>$1,844,575</td>
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<td>Hawaii- Dept of Education</td>
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<td>$45,662</td>
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<tr>
<td>Hawaii- Non-Profit Organizations</td>
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<td>$4,085,562</td>
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<tr>
<td>Mainland- Business and Other</td>
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<td>$7,779,691</td>
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<tr>
<td>Mainland- Health Organizations</td>
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<td>$2,484,480</td>
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<tr>
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<tr>
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<td>4.97%</td>
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<td>$37,598,285</td>
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<tr>
<td>US Colleges and Universities</td>
<td>100</td>
<td>$9,680,942</td>
<td>4.01%</td>
</tr>
</tbody>
</table>

**Total:** 1069  $241,630,104  100%

*Note: YTD amounts include adjustments.*
## Extramural Non-Research Awards

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

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>17</td>
<td>$3,848,180</td>
<td>2.41%</td>
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<tr>
<td>DOC-Dept of Commerce</td>
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<td>DOD-Department of Defense</td>
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<td>$1,393,208</td>
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</tr>
<tr>
<td>DOE-Dept of Energy</td>
<td>2</td>
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<td>1.76%</td>
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<tr>
<td>DOI-Dept of Interior</td>
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<td>ED-Dept of Education</td>
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</tr>
<tr>
<td>Federal Agencies</td>
<td>17</td>
<td>$8,411,220</td>
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</tr>
<tr>
<td>Foreign</td>
<td>26</td>
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</tr>
<tr>
<td>Hawaii- Business and Other</td>
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<tr>
<td>US Colleges and Universities</td>
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<td>1.16%</td>
</tr>
</tbody>
</table>

**Total:** 676  $159,705,480  100%

Note: YTD amounts include adjustments.