

## Gifts, Grants, and Contracts for March 2010

The following gifts, grants and contracts received by all campuses during the period March 1, 2010 through March 31, 2010 total \$20,495,392. The unofficial year-to-date total is: \$331,914,811.

### Research

#### DA-Dept of Agriculture

Agriculture, Dept - Agricultural Research Svc-FED \$10,500

Feasible Analysis of Ohelo as a Specialty Crop for Hawaii

Nakamoto, Stuart T

Department of Human Nutrition, Food and Animal Sciences

To generate production, environmental and economic data for feasibility studies on ohelo berry as an ornamental and value added specialty crop for Hawaii

Agriculture, Dept - FED \$115,500

Sequencing of the Oriental Fruit Fly Genome

Patek, Paul Q

Department of Microbiology

Sequencing of the oriental fruit fly genome.

Agriculture, Dept - FED \$5,842

Biology and Control of the Formosan Subterranean Termite

Grace, Jack Kenneth JR

Department of Plant and Environmental Protection Sciences

Develop tools and assessment methods to support community-wide termite management; detect and establish research methods for new invasive termites in Hawaii.

Agriculture, Dept - FED \$44,977

Survey of Landscape and Ornamental Nurseries for Insect Pests

Hara, Arnold H

Department of Plant and Environmental Protection Sciences

The mission of this project is to detect and report occurrence and distribution of exotic insects pests (from Priority Pest Lists for 2010 and Additional pests of Concern for TY 2010) in resort landscape and ornamental nurseries and along pest introduction pathways to these sites throughout the state of Hawaii.

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

Health & Human Svc, Dept - Administration on Aging \$31,806

Ha Kupuna: National Resources Center for Native Hawaiian Elders

Mokuau, Noreen K

School of Social Work

We request funds to continue our work on Ha Kupuna: National Resource Center for Native Hawaiian Elders in order to develop and disseminate knowledge of Native Hawaiian elders.

Health & Human Svc, Dept - Natl Inst of Health (NIH) \$209,806

Cyclopentannelation in Total Synthesis

Tius, Marcus A

Department of Chemistry

The development of methodology for organic synthesis and its application to natural products total synthesis.

Health & Human Svc, Dept - Natl Inst of Health (NIH) \$69,200

A Pooled Analysis of Mammographic Density and Breast Cancer Risk

Maskarinec, Gertraud

Cancer Research Center

This project will provide new information on how body weight affects breast cancer risk related to breast density. These findings will be useful for breast cancer risk estimation and breast cancer prevention.

## Gifts, Grants, and Contracts for March 2010

### Research

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

Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$68,350
<u>Urinary Estrogen Metabolites in a 2-year Soy Trial Among Premenopausal Women</u>	
Maskarinec, Gertraud	Cancer Research Center
The goal of this project is to perform additional analysis from a 2-year soy intervention among premenopausal women to examine the effect of soy foods on urinary estrogen metabolite patterns and to compare the effects of soy between women who produce equol and those who do not.	
Health & Human Svc, Dept/NIH - Natl Ctr for Comp & Altrntv Med	\$19,950
<u>Mechanisms by Which Selenium Influences T Helper Cells During Immune Response</u>	
Hoffmann, Peter	Department of Cell and Molecular Biology
This goal of this project is to identify specific mechanisms by which selenium influences immune response.	
Health & Human Svc, Dept/NIH - Natl Ctr for Comp & Altrntv Med	\$230,250
<u>Mechanisms by Which Selenium Influences T Helper Cells During Immune Response</u>	
Hoffmann, Peter	Department of Cell and Molecular Biology
This goal of this project is to identify specific mechanisms by which selenium influences immune response.	
Health & Human Svc, Dept/NIH - Natl Ctr on Minority Hlth & Hlth Disprty	\$524,201
<u>Pili 'Ohana Program: Partnerships to Overcome Obesity Disparities in Hawaii</u>	
Kaholokula, Joseph	Department of Native Hawaiian Health
This competing continuation proposal seeks funding for a 5-year intervention project on weight loss maintenance among Native Hawaiians and Pacific Peoples based on a community-based participatory research model.	
Health & Human Svc, Dept/NIH - Natl Heart, Lung, & Blood Inst	\$66,026
<u>University of Hawaii Research Scientist Award in Molecular Cardiology</u>	
Shohet, Ralph Victor	Department of Medicine
Phase II (years 3-7) will establish a research and education program with the recruited scientist as principal investigator.	
Health & Human Svc, Dept/NIH - Natl Heart, Lung, & Blood Inst	\$357,000
<u>Rho Kinase in Immune-Mediated Atherosclerosis</u>	
Boisvert, William	Department of Medicine
The studies in this project are focused on the role of Rho kinase in the immune system and inflammation as well as immune-related vascular function. The major goals of the study are to study the involvement of Rho-kinase in various macrophage function and to examine how this affects immune-mediated atherogenesis.	
Health & Human Svc, Dept/NIH - Natl Inst on Aging	\$167,586
<u>A Needle in a Haystack: New Approaches to Alzheimer's Drug Discovery from Natural Products</u>	
Williams, Philip	Department of Chemistry
The discovery of Alzheimer's Disease drug leads from marine organisms.	

## Gifts, Grants, and Contracts for March 2010

### Research

#### DOC-Dept of Commerce

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$199,638

From Science to Conservation: Linking Coral Reefs, Coastal Watersheds and their Human Communities in the Pacific Islands

Richmond, Robert H Pacific Biosciences Research Center

This project addresses the impacts of watershed discharges on coral reefs in the Pacific Islands and translating science into policy and management approaches to protect these coastal marine resources.

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$210,000

Submersible Support for Meso-Photic Coral Reef Survey in the Main Hawaiian Islands

Wiltshire, John C Hawaii Undersea Research Laboratory

To conduct submersible and ship operations in support of NOAA Fisheries (F. Parrish) research on the meso-photic coral reef ecosystems in the main Hawaiian islands.

#### DOD-Department of Defense

Defense, Dept - Air Force \$750,000

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 \$100,000

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 High Performance Computing Center.

Defense, Dept - Air Force \$255,000

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 \$899,882

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 Supercoming Center.

Defense, Dept - Air Force \$1,511,624

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 Supercoming Center.

## Gifts, Grants, and Contracts for March 2010

### Research

#### DOD-Department of Defense

Defense, Dept - Air Force	\$150,000
<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	\$6,000
<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	\$157,919
<u>Developing Cultural Analysis and Sociological Network Theory for Understanding Virtual Communities and their Intrinsic Relationships on the Web</u>	
Chai, Sunki	Department of Sociology
This project is aimed at the identification and characterization of virtual communities on the World Wide Web through the use of state-of-the art social science cultural and social network theories.	
Defense, Dept - Defense Threat Reduction Agcy	\$108,916
<u>Evaluation of Oleander Sphinx Moth <i>Daphnis nerii</i> and the Giant Sphinx Moth, <i>Cocytius antaeus</i>, as Model Organism for Hybrid Insect MEMS Technology</u>	
Rubinoff, Daniel Z	Department of Plant and Environmental Protection Sciences
Rearing and evaluation of two moth species, one in Hawaii and one in Florida for Hybrid MEMS technology	
Defense, Dept - Dep Under Secy of Defense	\$3,940,000
<u>Managing Partner of Pacific Disaster Center</u>	
Gaines, James R	Vice President for Research
This Cooperative Agreement provides for the transfer of Federal funds for the evolvement of the Pacific Disaster Center into a public-private partnership benefiting from shared responsibilities and assistance from the Department of Defense and the Managing Partner (recipient) with its internal management, administration, and development of concepts as proposed by the Recipient on August 17, 2009 in response to Funding Announcement HQ0034-09-RFCA-3001 and accepted by the Government.	
Defense, Dept - Office of Naval Research	\$132,504
<u>Online Social Behaviors and Prediction of their Implications for the Physical World: A Comparative Study, Part 1</u>	
Chai, Sunki	Department of Sociology
This project is aimed at the identification and characterization of virtual communities on the world Wide Web through the use of state-of-the art social science cultural and social network theories.	
Defense, Dept - Office of Naval Research	\$50,000
<u>Acoustic Seaglider: Philippine Sea Experiment</u>	
Howe, Bruce M	Department of Ocean and Resources Engineering
To deploy acoustic Seagliders in the Ocean Acoustics Deep Water experiment in the Philippine Sea in order to develop ways to improve tomographic resolution using a combination of fixed and mobile platforms, and powered autonomous undersea vehicles.	

# Gifts, Grants, and Contracts for March 2010

## Research

### DOD-Department of Defense

Defense, Dept - Office of Naval Research \$85,000

Development of a Combined Raman and LIBS System for Stand-off Detection of Explosive Residues

Sharma, Shiv K Hawaii Institute of Geophysics and Planetology

The purpose of this proposal is to develop a combined Raman and LIBS system for a stand-off detection of explosives and residues.

Defense, Dept - Office of Naval Research \$11,740

Collaborative Proposal to Extend ONR YIP Research with BRC Efforts

Powell, Brian Department of Oceanography

ONR Basic Research Challenge to extend my current research into the factors that control the predictability in ocean modeling. Focus will be on the collaboration of my research with other scientists.

### DOI-Dept of Interior

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

Ecohydrological Field Research in Hawaii

Giambelluca, Thomas W Department of Geography

We will maintain the HaleNet system on Maui, consisting of 9 active climate stations, two repeaters, and a base station. On Hawaii Island, we will operate two advanced flux towers measuring energy, water, and carbon exchanges over one native forest site and one strawberry guava-invaded site.

Interior, Dept - U.S. Geological Survey \$10,463

Using Gamma-Ray, Neutron, and Spectral Reflectance Data to Obtain Accurate Measures of Global Iron Abundances

Gillis-Davis, Jeffrey Hawaii Institute of Geophysics and Planetology

Determine the source of discrepancies in estimated iron compositions for the Moon between three different data sets: gamma-ray, neutron, and spectral reflectance data.

### Federal Agencies

Homeland Security, Dept - FED \$100,000

Unmanned Port Security Vessel: A Multi-Sensor Autonomous System for Maritime and Port Security

Bingham, Brian S Department of Mechanical Engineering

The research objective of this proposal is to apply cutting-edge methods in autonomous systems, in-situ chemical sensing, image processing and sensor fusion to create and unmanned port security vessel, providing real-time, multi-sensor decision support for DHS missions.

### Foreign

Canadian Space Agency \$83,451

Interchange Canada Agreement Extension

Binsted, Kimberly Anne Department of Information and Computer Sciences

I would like to extend my secondment to the CSA for one more semester, until August 15 2010. My main research here is on augmented shared reality systems for human exploration of planetary surfaces. I'm also working on an analogue deployment to take place on the Big Island in Jan/Feb 2010, and follow-up activities.

## Gifts, Grants, and Contracts for March 2010

### Research

#### Hawaii- Business and Other

Hawaii BioEnergy, LLC	\$20,000
<u>NSF Center for Bioenergy Research &amp; Development - Hawaii BioEnergy LLC Membership</u>	
Turn, Scott Q	Hawaii Natural Energy Institute
Hawaii BioEnergy LLC is paying for a membership in the University of Hawaii site of the NSF supported Center for Bioenergy Research & Development.	
Hawaiian Shellfish, LLC	\$78,210
<u>Development of Bivalve Hatchery Methods for Hawaii</u>	
Haws, Maria C.	Pacific Aquaculture-UHH
TREX Enterprises Corp.	\$75,095
<u>Modeling and Simulation of an Ocean WEC Device for Sensor Applications - Phase II</u>	
Ertekin, R Cengiz C	Department of Ocean and Resources Engineering
An Ocean Wave Energy Conversion device will be analyzed and tested to determine its technical feasibility.	

#### Hawaii- Government Agencies

Agriculture, Dept - HI	\$38,295
<u>Comparative Advantage of Hawaii's Agricultural Exports to the Japan Markets</u>	
Leung, Ping Sun	Department of Molecular Biosciences and Bioengineering
To document and assess the competitive and comparative advantage of selected agricultural exports to Japan and summarize the results in a fact-sheet for public dissemination.	
Defense, Dept - Civil Defense-HI	\$199,280
<u>Tsunami Inundation Maps for Hawaii</u>	
Cheung, Kwok Fai	Department of Ocean and Resources Engineering
Develop tsunami inundation maps for Hawaii.	
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	\$8,984
<u>Population Distribution and Trends in the Hawaiian Hoary Bat: Puu ka Pele Forest Reserve</u>	
Ziegler-Chong, Sharon	Pacific Aquaculture-UHH
Trends in bat occupancy will be monitored using acoustic recordings of bat vocalization in the Puu ka Pele Forest Reserve.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$60,000
<u>Plant Restoration and Enhancement, Rare Plat Facility EPRE 10 (Pahole)</u>	
Sugii, Nellie C	Lyon Aboretum
Conservation of rare plants on Oahu, by using genetic management, propagation, seed storage and species restoration to increase and stabilize populations.	

## Gifts, Grants, and Contracts for March 2010

### Research

#### Hawaii- Government Agencies

Land & Natural Res, Dept - HI \$175,051

The State of Hawaii's Plant Extinction Prevention Program

Morden, Clifford W Department of Botany

Prevent the extinction of critically endangered native plants through collection of genetic materials for future use in propagation and reintroduction into the wild.

Land & Natural Res, Dept - HI \$41,346

Threatened & Endangered Species Recovery: Kauai

Duffy, David C Department of Botany

Conduct applied field research to promote recovery of Kauai's threatened and endangered plants.

#### Hawaii- Health Organizations

Queen's Medical Center \$400,000

Prototype Academic Medical Department Model for Behavioral Health Research

Hishinuma, Earl S Department of Psychiatry

To accelerate the quantity and quality of health-related behavioral health research in Hawaii and improve quality of care for patients at QMC and in Hawaii, through translational research.

#### Hawaii- Non-Profit Organizations

Angus (Myra W & Jean Kent) Foundation \$49,135

Luminex Technology Based Serodiagnostic Assay for the Rapid Detection of Avian Influenza Virus and Arboviruses

Nerurkar, Vivek R Dept of Trop Med, Medical Microbiology and Pharmacology

The objective of this research is to develop rapid diagnostic tests for detection and surveillance of avian influenza, dengue, Chikungunya, and Zika viruses infection. The rationale is that these pathogens have potential to be imported in Hawaii, which will affect the health of the people, and the ecosystem of Hawaii.

Tri-Isle Resource Conservation & Dev Council \$181,422

East Maui Mountains Watershed (ARRA)

Morden, Clifford W Department of Botany

Conduct applied research and management of the native forests in East Maui's watershed.

University of Hawaii Foundation \$32,550

Preserving Hawaii's Culturally Significant Native Plants

Dunn, Christopher Lyon Aboretum

To preserve Hawaii's Culturally Significant Native Plants.

University of Hawaii Foundation \$541,347

DNA Barcoding of Endemic Hawaiian Species

Price, Donald Biology-UHH

Validity of DNA barcoding of recently derived species is understood based on the testing of endemic species in the Hawaiian archipelago and especially the young Hawaii Island

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### Research

#### Mainland- Business and Other

Brookhaven National Laboratory	\$102,000
<u>US ATLAS Research Program Office for Upgrade R&amp;D</u>	
Parker, Sherwood I	Department of Physics and Astronomy
Continuation of the development of silicon pixel radiation sensors designed for the innermost layers of the ATLAS silicon tracking system.	
Cazador	\$2,000
<u>Assessment of Health Effects Associated with VOG Exposure, Hawai'i Island</u>	
Tam, Elizabeth K	Department of Medicine
Characterize susceptible-VOG populations in the HICLASS cohort, characterize exposure to VOG, assess acute and long term impact on asthma exacerbations.	
Emmes Corporation	\$41,010
<u>UH Affiliate Subsite of AIDS Malignancy Consortium (Clinical Site Agreement Between EMMES Corp. &amp; UH; AMC Grant #U01CA121947)</u>	
Shiramizu, Bruce T	Department of Medicine
UH Affiliate Subsite of AIDS Malignancy Consortium (Clinical site agreement between EMMES Corp. & UH; AMC Grant #U01CA121947).	
Space Telescope Science Institute	\$36,692
<u>Determining the Rotational Phase of Comet 9P/Tempel 1 in Support of the StardustNExt Mission</u>	
Meech, Karen J	Institute for Astronomy
Analyze the rotation of comet 9P/Tempel 1.	

#### Mainland- Non-Profit Organizations

Southwest Research Institute	\$15,414
<u>JUNO Science Support Phase B/C/D Activities</u>	
Owen, Tobias	Institute for Astronomy
Dr. Owen will provide guidance and review of all Education and Public Outreach activities. He will also assist in analysis, modeling and interpretation of models of Jupiter formation.	

#### National Aeronautics and Space Administration

National Aeronautics & Space Administration	\$106,413
<u>Water and Habitable Worlds</u>	
Meech, Karen J	Institute for Astronomy
This project will trace the history of water from its formation in the interstellar medium to incorporation in the solar system, how it reaches the terrestrial planets, and its role in life.	
National Aeronautics & Space Administration	\$762,000
<u>Water and Habitable Worlds</u>	
Meech, Karen J	Institute for Astronomy
This project will trace the history of water from its formation in the interstellar medium to incorporation in the solar system, how it reaches the terrestrial planets, and its role in life.	



## Gifts, Grants, and Contracts for March 2010

### Research

#### National Aeronautics and Space Administration

National Aeronautics & Space Administration \$180,000

A NEO Search Program Using the Pan-STARRS PS1 Telescope

Jedicke, Robert Institute for Astronomy

Support of the PS1 Telescope operation and MOPS project on Haleakala for the NASA Near Earth Object Search Program.

National Aeronautics & Space Administration \$81,351

Studying Complex Ejecta at L1 Using Realistic Models of CME Evolution and Interplanetary Magnetic Field

Lugaz, Noe Institute for Astronomy

We propose to investigate the evolution of Coronal Mass Ejection (CME) into an interplanetary magnetic field (IMF), and the interaction of multiple CMEs from the Sun. By modeling the IMF from the Sun to L1, we will provide

National Aeronautics & Space Administration \$1,039,482

The NASA Infrared Telescope Facility: Mission Support and Solar System Observations

Tokunaga, Alan Institute for Astronomy

We propose to provide NASA with observations and research data aimed at providing support of spacecraft missions and basic research in support of the Planetary Astronomy program.

National Aeronautics & Space Administration \$77,316

Detecting Dark Energy from WMAP and Pan-STARRS1

Szapudi, Istvan Institute for Astronomy

We propose to detect the Integrated Sachs-Wolf (ISW) effect in the WMAP (Wilkinson Microwave Anisotropy Probe) CMB (Cosmic Microwave Background) maps using the one year Pan-STARRS1 (PS1) photometric LRG (Sloan Luminous Red Galaxy) sample.

National Aeronautics & Space Administration \$45,000

A GALEX Search for the Missing Young Low-Mass Stars within 100 pc

Liu, Michael C Institute for Astronomy

We propose an archival study to combine the GALEX/All-Sky Imaging Survey (AIS) with extensive ground-based photometric and proper-motion catalogs to identify the nearest young low-mass (M-type) stars.

National Aeronautics & Space Administration \$100,073

Mars Surface Composition in a Geological Context

Taylor, G Jeffrey Hawaii Institute of Geophysics and Planetology

This project will use data from Mars mission to understand the formation and geological and geochemical evolution of the martian crust.

#### National Science Foundation

National Science Foundation \$144,000

Untangling the Energetics and Dynamics of Reactions of Ground State Silicon Atoms with Small Hydrocarbon Radicals

Kaiser, Ralf Ingo Department of Chemistry

We want to find out how organo silicon molecules are formed in extreme environments.

# Gifts, Grants, and Contracts for March 2010

## Research

### National Science Foundation

National Science Foundation \$738,255

CAREER: Characterizing Reproductive Isolation Within the Hawaiian Metrosideros Species Complex

Stacy, Elizabeth Natural Sciences-UHH

Characterize the strengths and stages of reproductive isolation (RI) between taxa within each of several mixed stands that vary in the degree of hybridization

National Science Foundation \$7,750

Doctoral Dissertation Research: Applying Bathymetric LiDAR to Advance Marine Landscape Ecology in the Third Dimension

Jorgensen, Stacy M Department of Geography

This research will apply remotely sensed data to conduct predictive modeling of fish assemblage structure such as

### US Colleges and Universities

California Institute of Technology \$16,400

Detecting Transient Surface Features via Dynamic Landmarking

Schorghofer, Norbert Institute for Astronomy

Dr. Norbert Schorghofer will perform analysis on Martian dark slope streaks. He will also travel to JPL to coordinate research.

California Irvine, University of \$10,000

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.

California Los Angeles, University of \$25,136

Subcontract from "CAREER: The Coordination of Leaf Hydraulics, Structure and Gas Exchange"

Ranker, Thomas A Department of Botany

Research on the coordination of leaf structure, hydraulics, physiology and ecology of native Hawaiian plant species. Support for UHM Botany Department graduate students as research assistants for the project.

California San Diego, University of \$56,579

Optimization of Algae Lipid Yields by Regulation of Growth Physiology, and Design Consultation, Analytical Services and Monitoring of Algae Cultures

Church, Matthew J. Department of Oceanography

Experiment and monitoring design for implementation by scientists and technicians in collaboration with staff at General Atomics and UCSD for outdoor mass algal culture facilities in La Jolla and Hawaii.

California San Diego, University of \$13,418

Optimization of Algae Lipid Yields by Regulation of Growth Physiology, and Design Consultation, Analytical Services and Monitoring of Algae Cultures

Church, Matthew J. Department of Oceanography

Experiment and monitoring design for implementation by scientists and technicians in collaboration with staff at General Atomics and UCSD for outdoor mass algal culture facilities in La Jolla and Hawaii.

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### Research

#### US Colleges and Universities

Johns Hopkins University		\$13,840
<u>Longitudinal Survey of Quality of Life and School for Military Children and Their Parents Stationed in Hawaii</u>		
Berg, Kathleen F	Curriculum Research and Development Group	
For 3-year longitudinal study, provide input into parent and children questionnaires, consulting on focus group sampling, and assistance with logistics in setting up focus groups as well as consultation on data interpretation, review and critique of reports, and participation in annual debriefing sessions.		
Maryland, University of		\$65,000
<u>EPOXI Mission</u>		
Meech, Karen J	Institute for Astronomy	
To reduce and analyze data obtained (including recovering the comet) and characterizing the nucleus for the EPOXI Mission.		
Oregon State University		\$257,598
<u>Human Health/Aquaculture: BMP</u>		
Haws, Maria C.	Pacific Aquaculture-UHH	
Oregon, University of		\$38,148
<u>The Pacific Center for Ocean Science Education Excellence (COSEE Pacific)</u>		
Hadfield, Michael G	Pacific Biosciences Research Center	
Participate with the University of Oregon to further develop partnerships and outreach activities for the Center for Ocean Science Education Excellence (COSEE).		
Utah State University		\$53,485
<u>Sunn hemp and its Allelopathic Compounds for Vegetable Production in Hawaii and Beyond</u>		
Wang, Koon-Hui	Department of Plant and Environmental Protection Sciences	
Improve and promote the use of the sunn hemp as a cover crop through the understanding of its toxic compounds for sustainable pest management.		

**Subcount:** 75 **Subtotal:** \$16,727,206

### Non-Research

#### DA-Dept of Agriculture

Agriculture, Dept - Center for Tropical and Subtropical Aquaculture		\$20,000
<u>Pacific Regional Aquaculture Information Service for Education (PRAISE), Year 8</u>		
Anderson, Kristen L	Library	
Promote transfer or information within the Pacific aquaculture community including creating educational resources, promoting communications, and ongoing information delivery services.		

## Gifts, Grants, and Contracts for March 2010

### Non-Research

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

Health & Human Svc, Dept/NIH - Natl Inst of Diabetes,Digestive,Kidney Dis \$178,901  
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.

#### DOD-Department of Defense

Defense, Dept - Air Force Ofc of Scientific Rsch \$50,000  
The Panoramic Survey Telescope and Rapid Response System (Pan-STARRS) Project  
Kaiser, Nicholas Institute for Astronomy  
Design and construction of the Panoramic Survey Telescope and Rapid Response System (Pan-STARRS)

#### Federal Agencies

Corporation for National and Community Service \$4,000  
HIPICC VISTA Project  
Pascua, Atina T Vice President for Student Affairs  
This VISTA proposal will meet the needs of low income communities in Hawaii and the Pacific Island Territories of American Samoa, Guam, and the Commonwealth of the Northern Marianas (CNMI). The VISTA positions will help to develop programs that will help with literacy and economic revitalization.

Office of the Director of National Intelligence \$27,000  
2010 Regional Intelligence Community Colloquium  
Shultz, Edward J School of Pacific and Asian Studies  
Provide a quality experience for attendees and participants for the 2010 Spring colloquium on National Security Studies, February 10-11, 2010.

#### Foreign

American Samoa, Govt of \$1,183,853  
American Samoa Territorial Training Assistance Project - 2008  
Zuercher, Deborah College of Education  
To provide a Bachelor of Education degree and teacher certification to upgrade the skills of in service teachers in American Samoa.

Commonwealth of Northern Mariana Islands \$167,931  
Project BRABU Evaluation and Data Management  
Roberts, Kelly D Center on Disability Studies  
The evaluation team will develop and implement data collection, management, analysis, interpretation and reporting plans, and lead on this objective and ensure stakeholder input is fully integrated.

## Gifts, Grants, and Contracts for March 2010

### Non-Research

#### Foreign

<p>Elsevier Science Ltd.  <u>International Journal FY 2003</u>          Landis, Dan</p>	<p>Psychology-UHH</p>	<p>\$20,800</p>
<p>Guam, University of  <u>Guam/Micronesia Area Health Education Center</u>          Withy, Kelley Marie</p>	<p>Department of Complementary and Alternative Medicine          Assisting with infrastructure and evaluation development for new Guam/Micronesia AHEC.</p>	<p>\$41,529</p>
<p>Republic of Palau, Ministry of Commerce &amp; Trade  <u>PBCP-AAPI Support 2010 Palau</u>          Morton, John F</p>	<p>Vice President for Community Colleges          This award supports economic development and technical assistance work of the Pacific Business Center Program under the University of Hawaii grant from the Economic Development Administration, US Department of Commerce.</p>	<p>\$20,000</p>

#### Hawaii- Dept of Education

<p>Education, Dept - HI  <u>To Plan, Develop and Implement a Business and Marketing Plan Competition</u>          Roley, V. Vance</p>	<p>Shidler College of Business          Provide administrative support to organize the 2010 High School Marketing Plan and Business Plan Competitions.</p>	<p>\$8,000</p>
<p>Education, Dept - HI  <u>Designing Algebra Resources for Teachers</u>          Gilbert, Michael J.</p>	<p>Curriculum Research and Development Group          The project will create a partnership between HIDOE, UH COE, UH Department of Arts and Sciences, Hawaii Community Colleges. The project activities will be to create and disseminate replacement algebra units and companion teacher educative materials.</p>	<p>\$150,000</p>
<p>Education, Dept - HI  <u>An Evaluation of the Campbell Complex's 21st Century Community Learning Centers' Project in 2009-2010</u>          Higa, Terry Ann</p>	<p>Curriculum Research and Development Group          The evaluators will study project implementation and outcomes. The evaluators will (a) meet w/ site coordinators to discuss the eval design, methods, and timeline, (b) provide site coordinators w/ data-collection e-forms or hard copies for return on agreed-upon timeline, (c) analyze data, and (d) report findings.</p>	<p>\$45,000</p>
<p>Education, Dept - HI  <u>Kapalama Algebra Readiness in the Elementary School: KARES</u>          Olson, Melfried</p>	<p>Curriculum Research and Development Group          This program will provide for three-years of staff development in mathematics for teachers at Kapalama Elementary School.</p>	<p>\$150,000</p>

# Gifts, Grants, and Contracts for March 2010

## Non-Research

### Hawaii- Dept of Education

Education, Dept - HI \$81,656  
College Algebra Readiness for Every Student (CARES) Project  
Gilbert, Michael J. Curriculum Research and Development Group  
The goal of the CARES project is to increase the number of high school graduates who are ready for college-level mathematics.

### Hawaii- Government Agencies

Acctg & General Svc, Dept - State Fdn on Culture & the Arts-HI \$136,200  
Statewide Cultural Extension Program - Presenting, Touring and Outreach  
Slaughter, Timothy Roy Outreach Community Programs  
Lecture-demonstrations and cultural programs in various community venues.

County of Maui - Ofc of Economic Development \$450,000  
Expansion of Allied Health Programs at Maui Community College  
Johnson, Nancy K Chancellor, University of Hawaii Maui College  
Continue expanded enrollments on the Allied Health Department nursing and dental assisting program and admit to the new AS Dental Hygiene Program.

Hawaiian Home Lands, Dept - HI \$225,488  
Agricultural Education Program Contract 2009-2010  
Nishijima, Wayne T College of Tropical Agriculture and Human Resources  
Provide educational and technical services to DHHL agricultural and pastoral leaseholders for commercial and subsistence agricultural production, in areas such as crop production, management, marketing, financial and business skills.

Human Services, Dept - Ofc of Youth Svcs-HI \$20,240  
Office of Youth Services Request for Information  
Umamoto, Karen N Department of Urban and Regional Planning  
We will conduct the Request for Information Process for the State Office of Youth Services by organizing and facilitating public meetings regarding funding needs for youth services in the state. This includes a series of meetings with stakeholders and the analysis and presentation of public comments

### Hawaii- Health Organizations

Queen's Medical Center \$90,000  
'Ike Ao Pono/Native Hawaiian Health Initiative  
Minton, B. Nalani School of Nursing and Dental Hygiene  
Financial student and program support including academic tutor, scholarships, cultural program costs (see typical example of budget for program expenditures, including food and lei), graduation events, workshops, conferences, special projects including film, research, fundraising activities, cultural exchanges, excursions and activities.

## Gifts, Grants, and Contracts for March 2010

### Non-Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$2,000
<u>Filipino and Philippine Literature Program</u>	
Mabanglo, Ruth S	Department of Indo-Pacific Languages and Literatures
The Program will hire an assistant to help the coordinator to check papers, assist in teaching one course, coordinating cultural community activities.	
University of Hawaii Foundation	\$13,000
<u>Theatre and Dance Operating Expenses</u>	
Carroll, W Dennis	Department of Theatre and Dance
To support the general operations of the Department of Theatre and Dance. Services provided include the maintenance of the facilities by student assistants; purchasing of stage, lighting, and other theatrical/dance supplies; office supplies; and other goods & services that may be required by the Department.	
University of Hawaii Foundation	\$28,916
<u>Mansfield Freeman Research Assistants</u>	
Kipnis, Kenneth	Department of Philosophy
To pay for the salary & fringe for two graduate research assistants for the Philosophy Department.	
University of Hawaii Foundation	\$75,000
<u>Coral Industries Distinguished Professor of Renewable Energy Chairholder</u>	
Antal, Michael J JR	Hawaii Natural Energy Institute
To provide for salary, fringe benefit costs, and other program expenses.	
University of Hawaii Foundation	\$5,000
<u>Philosophy in the Schools Educational Specialists</u>	
Jackson, Thomas E	Department of Philosophy
Educational Specialists to assist classroom teachers in philosophical discussions with students; help prepare classroom lessons; maintain research journals.	
University of Hawaii Foundation	\$95,000
<u>Sustainable Living Institute of Maui (SLIM)</u>	
Sakamoto, Clyde M	Chancellor, University of Hawaii Maui College
The work consists of furthering the mission of the Sustainable Living Institute of Maui. This includes program management and administration as well as administrative support. This work is currently undertaken by the Executive Director and a casual hire and may include future additional staff as needed.	
University of Hawaii Foundation	\$23,500
<u>Financial Engineering Course</u>	
Teramura, Alan H	College of Natural Sciences
To cover the salary for Tom Ramsey, Professor, College of Natural Sciences for teaching "Partial Differential Equations and Stochastic Calculus" in the Master of Financial Engineering Program for the Fall 2009 semester.	
University of Hawaii Foundation	\$3,500
<u>The Florence Macaulay Lecture</u>	
Shultz, Edward J	School of Pacific and Asian Studies
To fund the Florence Macaulay Lectures in Asian and Pacific Studies.	

# Gifts, Grants, and Contracts for March 2010

## Non-Research

### Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$5,000  
The Primal Quest  
Herman, Louis G Chancellor, University of Hawaii at West Oahu  
\$5,000 in matching funds pledged from Doran Foundation for lecturer replacement for one course to enable work on completing book manuscript and developing film production "Primal Quest".

### Mainland- Business and Other

Anheuser-Busch Companies, Inc \$60,000  
Expanding the Manoa Alcohol Project  
Stockert, Nancy A. Vice Chancellor for Student Affairs  
The project will continue and expand the present Manoa Alcohol Project, to provide alcohol prevention programming for undergraduates at UH - Manoa, primarily using a social norms approach.

### Mainland- Health Organizations

American Heart Association \$24,772  
Ethnic Differences in Omega-3 Fatty Acids and Cardiovascular Mortality  
Wilkins, Lynne R Cancer Research Center  
This research project is to use biostatistics and epidemiology approach to study the relationship of omega-3 fatty acids from eating fish and the chances of dying of heart disease based on the multiethnic cohort data collected by the Cancer Research Center of Hawaii.

### Mainland- Non-Profit Organizations

Casey (Annie E.) Foundation \$75,000  
2008 Hawaii Kids Count Plan Guidelines  
Yuen, Sylvia H L Center on the Family  
Hawaii Kids Count's objective is to improve the well-being of Hawaii's children and families by increasing public awareness of their conditions and serving as a catalyst for positive action on their behalf. Activities include maintaining a database of child and family indicators, tracking indicators over time, and writing/disseminating reports on critical issues.

### National Science Foundation

National Science Foundation \$8,424  
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 \$266,476  
Graduate Research Fellowship Program  
Garrod, Peter V Graduate and Professional Education  
To provide graduate students the opportunity to further their education by funding their research projects.



## Gifts, Grants, and Contracts for March 2010

### Non-Research

#### US Colleges and Universities

Regis University \$10,000

Building Educational Success Together (BEST)

Pascua, Atina T Service Learning

To support ongoing efforts towards educational success through civic engagement initiatives in Hawaii.

Webster University - International Brecht Society \$2,000

13th Symposium of the International Brecht Society on "Brecht in/and Asia" at UH from May 19-23, 2010

Wessendorf, Markus W Department of Theatre and Dance

The 13th symposium of the International Brecht Society will be a 5-day conference of presentations by theatre scholars from East and West on two themes: Brecht's borrowings from and references to Asian culture (in his theatre theory, drama, poetry, etc), and the reception of his work in Asia (with regard to dramaturgies, performance styles, and political aesthetics).

**Subcount:** 36

**Subtotal:** \$3,768,186

**Count:** 111

**Total:** \$20,495,392

## Funds Received from UH Foundation for 03/01/2010 - 03/31/2010

### Non-Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$75,000
"Coral Industries Distinguished Professor of Renewable Energy Chairholder"	
Antal, Michael J	Hawaii Natural Energy Institute
To provide for salary, fringe benefit costs, and other program expenses.	
University of Hawaii Foundation	\$13,000
"Theatre and Dance Operating Expenses"	
Carroll, W Dennis	Department of Theatre and Dance
To support the general operations of the Department of Theatre and Dance. Services provided include the maintenance of the facilities by student assistants; purchasing of stage, lighting, and other theatrical/dance supplies; office supplies; and other goods & services that may be required by the Department.	
University of Hawaii Foundation	\$5,000
"The Primal Quest"	
Herman, Louis G	Chancellor, University of Hawaii at West Oahu
\$5,000 in matching funds pledged from Doran Foundation for lecturer replacement for one course to enable work on completing book manuscript and developing film production "Primal Quest".	
University of Hawaii Foundation	\$5,000
"Philosophy in the Schools Educational Specialists"	
Jackson, Thomas E	Department of Philosophy
Educational Specialists to assist classroom teachers in philosophical discussions with students; help prepare classroom lessons; maintain research journals.	
University of Hawaii Foundation	\$28,916
"Mansfield Freeman Research Assistants"	
Kipnis, Kenneth	Department of Philosophy
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The Program will hire an assistant to help the coordinator to check papers, assist in teaching one course, coordinating cultural community activities.	
University of Hawaii Foundation	\$95,000
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Sakamoto, Clyde M	Chancellor, University of Hawaii Maui College
The work consists of furthering the mission of the Sustainable Living Institute of Maui. This includes program management and administration as well as administrative support. This work is currently undertaken by the Executive	
University of Hawaii Foundation	\$3,500
"The Florence Macaulay Lecture"	
Shultz, Edward J	School of Pacific and Asian Studies
To fund the Florence Macaulay Lectures in Asian and Pacific Studies.	

## Funds Received from UH Foundation for 03/01/2010 - 03/31/2010

### Non-Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$23,500
"Financial Engineering Course"	
Teramura, Alan H	College of Natural Sciences
To cover the salary for Tom Ramsey, Professor, College of Natural Sciences for teaching "Partial Differential Equations and Stochastic Calculus" in the Master of Financial Engineering Program for the Fall 2009 semester.	

### Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$32,550
"Preserving Hawaii's Culturally Significant Native Plants"	
Dunn, Christopher	Lyon Aboretum
To preserve Hawaii's Culturally Significant Native Plants.	

University of Hawaii Foundation	\$541,347
"DNA Barcoding of Endemic Hawaiian Species"	
Price, Donald	Biology-UHH
Validity of DNA barcoding of recently derived species is understood based on the testing of endemic species in the Hawaiian archipelago and especially the young Hawaii Island	

**Count:** 11

**Total:** \$824,813

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

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DA-Dept of Agriculture	4	\$176,819	1.06%
DHHS-Dept of Health and Human Services	10	\$1,744,175	10.43%
DOC-Dept of Commerce	2	\$409,638	2.45%
DOD-Department of Defense	14	\$8,158,585	48.77%
DOI-Dept of Interior	2	\$60,463	0.36%
Federal Agencies	1	\$100,000	0.60%
Foreign	1	\$83,451	0.50%
Hawaii- Business and Other	3	\$173,305	1.04%
Hawaii- Government Agencies	7	\$587,956	3.51%
Hawaii- Health Organizations	1	\$400,000	2.39%
Hawaii- Non-Profit Organizations	4	\$804,454	4.81%
Mainland- Business and Other	4	\$181,702	1.09%
Mainland- Non-Profit Organizations	1	\$15,414	0.09%
National Aeronautics and Space Administration	8	\$2,391,635	14.30%
National Science Foundation	3	\$890,005	5.32%
US Colleges and Universities	10	\$549,604	3.29%
<b>Total:</b>	<b><u>75</u></b>	<b><u>\$16,727,206</u></b>	<b><u>100%</u></b>

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

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DA-Dept of Agriculture	1	\$20,000	0.53%
DHHS-Dept of Health and Human Services	1	\$178,901	4.75%
DOD-Department of Defense	1	\$50,000	1.33%
Federal Agencies	2	\$31,000	0.82%
Foreign	5	\$1,434,113	38.06%
Hawaii- Dept of Education	5	\$434,656	11.53%
Hawaii- Government Agencies	4	\$831,928	22.08%
Hawaii- Health Organizations	1	\$90,000	2.39%
Hawaii- Non-Profit Organizations	9	\$250,916	6.66%
Mainland- Business and Other	1	\$60,000	1.59%
Mainland- Health Organizations	1	\$24,772	0.66%
Mainland- Non-Profit Organizations	1	\$75,000	1.99%
National Science Foundation	2	\$274,900	7.30%
US Colleges and Universities	2	\$12,000	0.32%
<b>Total:</b>	<b><u>36</u></b>	<b><u>\$3,768,186</u></b>	<b><u>100%</u></b>

**Extramural Research Awards  
Year to Date: 07/01/09 - 03/31/10  
Distribution by Sponsors**

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DA-Dept of Agriculture	47	\$6,479,273	3.10%
DHHS-Dept of Health and Human Services	87	\$43,579,102	20.83%
DOC-Dept of Commerce	69	\$25,575,241	12.22%
DOD-Department of Defense	78	\$40,408,589	19.31%
DOE-Dept of Energy	14	\$4,777,133	2.28%
DOI-Dept of Interior	51	\$4,124,885	1.97%
ED-Dept of Education	6	\$1,072,173	0.51%
Federal Agencies	5	\$872,152	0.42%
Foreign	19	\$1,842,145	0.88%
Hawaii- Business and Other	23	\$1,213,616	0.58%
Hawaii- Dept of Education	1	\$45,662	0.02%
Hawaii- Government Agencies	96	\$12,443,306	5.95%
Hawaii- Health Organizations	9	\$766,087	0.37%
Hawaii- Non-Profit Organizations	44	\$3,196,177	1.53%
Mainland- Business and Other	61	\$7,114,154	3.40%
Mainland- Health Organizations	16	\$2,389,564	1.14%
Mainland- Non-Profit Organizations	26	\$1,837,858	0.88%
Miscellaneous	1	\$11,750	0.01%
National Aeronautics and Space Administration	64	\$10,825,650	5.17%
National Science Foundation	87	\$32,167,305	15.38%
US Colleges and Universities	84	\$8,469,540	4.05%
<b>Total:</b>	<b><u>888</u></b>	<b><u>\$209,211,362</u></b>	<b><u>100%</u></b>

Note: YTD amounts include adjustments.

**Extramural Non-Research Awards**  
**Year to Date: 07/01/09 - 03/31/10**  
**Distribution by Sponsors**

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DA-Dept of Agriculture	14	\$3,371,972	2.75%
DHHS-Dept of Health and Human Services	36	\$10,726,812	8.74%
DOC-Dept of Commerce	19	\$2,010,114	1.64%
DOD-Department of Defense	4	\$356,193	0.29%
DOI-Dept of Interior	11	\$366,553	0.30%
ED-Dept of Education	60	\$31,884,858	25.99%
Federal Agencies	16	\$8,634,478	7.04%
Foreign	22	\$2,582,407	2.10%
Hawaii- Business and Other	33	\$4,139,811	3.37%
Hawaii- Dept of Education	12	\$866,267	0.71%
Hawaii- Government Agencies	94	\$14,409,975	11.74%
Hawaii- Health Organizations	30	\$10,059,172	8.20%
Hawaii- Non-Profit Organizations	88	\$6,863,407	5.59%
Mainland- Business and Other	14	\$2,101,109	1.71%
Mainland- Health Organizations	2	\$49,544	0.04%
Mainland- Non-Profit Organizations	21	\$2,053,559	1.67%
National Aeronautics and Space Administration	6	\$3,015,747	2.46%
National Science Foundation	35	\$17,499,619	14.26%
US Colleges and Universities	35	\$1,711,852	1.40%
<b>Total:</b>	<b><u>552</u></b>	<b><u>\$122,703,449</u></b>	<b><u>100%</u></b>

Note: YTD amounts include adjustments.