

## Gifts, Grants, and Contracts for May 2009

The following gifts, grants and contracts received by all campuses during the period May 1, 2009 through May 31, 2009 total \$32,281,974.

This report is also available for viewing at: [http://www.hawaii.edu/ors/Board\\_Reports.htm](http://www.hawaii.edu/ors/Board_Reports.htm)

### Research

#### DA-Dept of Agriculture

Agriculture, Dept - Forest Service-FED	\$25,000
<u>EDRR Proposal to Survey for Invasive Bark Beetles (Scolytinae) in Hawaii</u>	
Daniel Z Rubinoff	Department of Plant and Environmental Protection Sciences
A systematic survey of Hawaiian forests to develop baseline data of invasive bark beetles.	

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

Health & Human Svc, Dept - Natl Institutes of Health (NIH)	\$211,925
<u>Cyclopentannelation in Total Synthesis</u>	
Marcus A Tius	Department of Chemistry
The development of methodology for organic synthesis and its application to natural products total synthesis.	

Health & Human Svc, Dept - Natl Institutes of Health (NIH)	\$205,957
<u>TRPV Pharmacophores from Cnidarian Venom</u>	
Angel A Yanagihara	Pacific Biosciences Research Center
Cnidarian venom fractions will be screened for Transient Receptor Potential (TRP) vanilloid receptor related class channel activity (TRPV1 and TRPV2). Active compounds will be isolated and then chemically and pharmacologically characterized.	

Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$9,324
<u>The Colon Cancer Family Registry: Hawaii</u>	
Loic Le Marchand	Cancer Research Center
To maintain and expand the Hawaii Colorectal Cancer Family Registry for the next four years.	

Health & Human Svc, Dept/NIH - Natl Inst of General Medical Sciences	\$291,050
<u>Transposon Based Mammalian Transgenesis and Transfection</u>	
Stefan Moisyadi	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)	\$294,750
<u>Sea Grant College Program Institutional Program</u>	
E Gordon Grau	Sea Grant College Program
To promote an innovative and effectively managed program of research, education, and outreach directed to the improved understanding, management, and wise use of marine resources of the state, region, and nation.	

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA)	\$1,670,250
<u>Sea Grant College Program Institutional Program</u>	
E Gordon Grau	Sea Grant College Program
To promote an innovative and effectively managed program of research, education, and outreach directed to the improved understanding, management, and wise use of marine resources of the state, region, and nation.	

## Gifts, Grants, and Contracts for May 2009

### Research

#### DOC-Dept of Commerce

Commerce, Dept/NOAA - Natl Weather Service \$124,999

Evaluation of Flash Flood Prediction Models for Small Watersheds in Tropical Islands

Ali Fares Department of Natural Resources and Environmental Management

The main goal of this proposed research is to evaluate the performance of a distributed model and a semi-distributed version of the Sacramento Soil Moisture Accounting Model (SAC-SMA) for operational flash flood forecasting in the Hanalei Watershed, Kauai.

#### DOD-Department of Defense

Defense, Dept - Air Force \$4,379

Operations and Management of the Maui Supercomputing Center

David K Lassner Information Technology Services

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

Defense, Dept - Air Force \$15,412

Operations and Management of the Maui Supercomputing Center

David K Lassner Information Technology Services

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

Defense, Dept - Air Force \$334,200

Operations and Management of the Maui Supercomputing Center

David K Lassner Information Technology Services

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

Defense, Dept - Air Force \$16,710

Operations and Management of the Maui Supercomputing Center

David K Lassner Information Technology Services

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

Defense, Dept - Air Force \$1,945

Operations and Management of the Maui High Performance Computing Center

David K Lassner Information Technology Services

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

Defense, Dept - Air Force Ofc of Scientific Rsch \$111,229

Developing Cultural Analysis and Sociological Network Theory for Understanding Virtual Communities and their Intrinsic Relationships on the Web

Sunki Chai 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.

## Gifts, Grants, and Contracts for May 2009

### Research

#### DOD-Department of Defense

Defense, Dept - Air Force Space & Missile Systems Ctr \$1,549,000

LEONIDAS: Low-Earth Orbit Nanosat-Integrated Defense Autonomous Systems

Luke Paul Flynn

Hawaii Institute of Geophysics and Planetology

The LEONIDAS project will design, build, test, launch, and operate small spacecraft in low-Earth orbit.

Defense, Dept - Office of Naval Research \$221,250

Online Social Behaviors and Prediction of their Implications for the Physical World: A Comparative Study, Part 1

Sunki Chai

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 \$41,928

Understanding Predictability of the Ocean

Brian Powell

Department of Oceanography

ONR Young Investigator Program: Research into the factors that control the predictability in ocean modeling. Focus will be on the model parameterizations and the influence of specific observations.

Department of Defense \$78,818

Managing Partner of Pacific Disaster Center

James R Gaines

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.

#### DOE-Dept of Energy

Energy, Dept - FED \$967,167

Research in High Energy Physics: Technical Progress Report & FY08 Budget Request

Stephen L Olsen

Department of Physics and Astronomy

Primary purpose of this research is the understanding of the properties of the elementary constituents of matter and the nature of the fundamental forces between them.

Energy, Dept - FED \$200,000

I. Structural and Mechanistic Studies of Doped Alanates; II. Kinetic Enhancement of Thermodynamically Tuned, High Capacity, Reversible Metal Hydrides

Craig M Jensen

Department of Chemistry

Development of High Performance Hydrogen Storage Materials.

#### DOI-Dept of Interior

Interior, Dept - National Park Service \$13,853

Vegetation Classification Support for Three Pacific Island National Parks

Wayne Arthur Whistler

Department of Botany

A literature review of published information on vegetation in the National Park of American Samoa, the American Memorial Park, and War in the Pacific National Historical Park.

## Gifts, Grants, and Contracts for May 2009

### Research

#### DOI-Dept of Interior

Interior, Dept - U.S. Fish & Wildlife Service	\$17,415
<u>Sensitivity of Adult and Early Life Stage Tropical Corals to Metal Toxicity: Influence of Temporal Variation on Risk Assessment</u>	
Ruth D Gates	Hawaii Institute of Marine Biology
Assess the lethal and sublethal toxicity of 3 different contaminants in the adult and early life stages of the coral <i>Pocillopora damicornis</i> from the Hawaiian Islands over time.	
Interior, Dept - U.S. Geological Survey	\$28,125
<u>National Assessment: Historical Shoreline Changes and Associated Coastal Land Loss Along Sandy Shorelines of the Islands Oahu, Maui, and Kauai</u>	
Charles H Fletcher	Department of Geology and Geophysics
Analyze statistical techniques for determining long-term shoreline change rates and work with the national assessment co-op in statistical tool development for application to DSAS.	
Interior, Dept - U.S. Geological Survey	\$34,000
<u>Hawaiian Forest Bird Research: Publishing Bird Trends</u>	
Sharon Ziegler-Chong	Pacific Aquaculture-UHH
Complete data analysis and production of reports on the status and distribution of Hawaiian forest birds, including population estimates, distribution maps, and trends analysis	
Interior, Dept - U.S. Geological Survey	\$250,000
<u>Coop Monitoring &amp; Assessment of Hawaii Volcanoes</u>	
Donald M Thomas	Natural Sciences-UHH

### Foreign

Bio-ON	\$390,138
<u>Cane Molasses as the Foodstock of PHA Bioplastics</u>	
Jian Yu	Hawaii Natural Energy Institute
Cane molasses is a residue of sugar manufacturing in tropical areas. This work will investigate appropriate technologies for pretreatment and microbial fermentation of cane molasses to produce PHA bioplastics in a cost effective way. It will also find the methods to control the molecular size and chemical properties of biopolymers for desired material properties.	

### Hawaii- Business and Other

Hawaii Agriculture Research Center	\$25,000
<u>Field Evaluation of Oil Seed Crops at Benchmark Locations</u>	
Goro Uehara	Department of Tropical Plant and Soil Sciences
The proposed work is to establish field trails of oil bearing trees at 5 locations on the island of Hawaii.	
Kai Sensors, Inc.	\$7,700
<u>Radar on a Chip</u>	
Olga Boric-Lubecke	College of Engineering
Scope of work for the amendment includes a chip design and testing support from University of Florida for microwave and millimeter-wave subcircuits, including voltage controlled oscillator (VCO), and baluns.	

## Gifts, Grants, and Contracts for May 2009

### Research

#### Hawaii- Business and Other

Oceanit Laboratories, Inc \$226,611

The MOST Dual Channel Camera System

Klaus W Hodapp Institute for Astronomy

Design and fabricate a cooled beamsplitter enclosure for installation at an existing ground-based telescope.

Simonpietri Enterprises, LLC \$35,495

Synthesis of Novel Polyaniline-Based Nanoporous Materials for Hydrogen Storage

Oscar Navarro Department of Chemistry

1. The development of new catalytic systems for aniline polymerization animation reactions 2. The use of those catalytic systems for the synthesis of novel polyanilines 3) Evaluation of those materials for hydrogen storage

#### Hawaii- Government Agencies

Human Services, Dept - HI \$107,957

Healthy Child Care Hawaii

Louise K Iwaishi Department of Pediatrics

A collaborative effort between University of Hawaii's School of Medicine- Department of Pediatrics, American Academy of Pediatrics Hawaii Chapter and Department of Health. Project goals include expanding a system of child care health consultants, provide training for pediatric residents, promoting health and safety in child care.

Human Services, Dept - HI \$41,160

MOA Between UH and Hawaii Public Housing Authority, Homeless Program Branch

Sylvia H L Yuen Center on the Family

Analysis of homeless data and improvement to data and information relating to the homeless in Hawaii, particularly data collected on the Homeless Management Information System (HMIS).

Land & Natural Res, Dept - HI \$100,000

Support for the HISC Program

David C Duffy Department of Botany

Conduct outreach in support of the development of a statewide rodenticide environmental impact statement, support development of a restricted plant list for Hawaii, and other invasive species prevention, control, research, and eradication activities.

Land & Natural Res, Dept - HI \$102,500

Detection and Control of Invasive Species on the Island of Hawaii

David C Duffy Department of Botany

Conduct botanical surveys for new invasive species, catalogue newly introduced plants, evaluating for invasiveness, and create rapid response plans for new threats.

Land & Natural Res, Dept - HI \$95,500

Detection and Control of Invasive Species in Maui County

David C Duffy Department of Botany

Conduct botanical surveys and other early detection methods for invasive plant species.

## **Gifts, Grants, and Contracts for May 2009**

### **Research**

#### **Hawaii- Government Agencies**

Land & Natural Res, Dept - HI	\$30,793
<u>Assessing Kaho`olawe Island Reserve's Bottomfish Population</u>	
Jeffrey C Drazen	Department of Oceanography
This project will use baited camera systems to assess the relative abundance, size structure, and composition of the deep bottomfish complex in the waters around Kahoolawe Island. Comparisons will be made to areas in other parts of the islands to determine the benefit of protection around Kahoolawe to the bottomfish stocks.	
Land & Natural Res, Dept - HI	\$4,250
<u>Identification of Algae Samples to Lowest Relevant Taxonomic Level and Sequence Data for Algae Samples through UH Botany Department</u>	
Alison Ruth Sherwood	Department of Botany
This is a small contract with the State Division of Aquatic Resources for my lab to identify potential alien and invasive algae. They will drop off collections for identification as they are discovered in the field and if they are suspected to be problematic.	
Land & Natural Res, Dept - HI	\$5,000
<u>USGS Avian Influenza Maui Surveillance Plan</u>	
David C Duffy	Department of Botany
Sample bird populations on Maui for avian influenza virus.	
Land & Natural Res, Dept - HI	\$102,500
<u>Detection and Control of Invasive Species on Kauai</u>	
David C Duffy	Department of Botany
Conduct botanical roadside and nursery surveys and other methods of early detection for invasive plant species on Kauai.	
Land & Natural Res, Dept - HI	\$102,500
<u>Detection and Control of Invasive Species on Oahu</u>	
David C Duffy	Department of Botany
Conduct roadside surveys and other early detection methods to monitor new invasive species in urban areas that may escape into wilderness areas.	
Public Safety, Dept - HI	\$100,000
<u>Affiliation Agreement for Consultative, Assessment, and Training Services</u>	
William F Haning III	Department of Psychiatry
Provide consultative, assessment, and training services to the State of Hawaii, Department of Public Safety	

#### **Hawaii- Health Organizations**

Kaiser Permanente - HI	\$2,703
<u>Pacific Kids DASH for Health</u>	
Suzanne P. Murphy	Cancer Research Center
This project will provide important information on the role of the DASH diet for obesity prevention in minority children. The study will integrate areas of nutrition, physical activity, social sciences, and epidemiology, to investigate interrelationships among food and the environment in promoting health.	

## Gifts, Grants, and Contracts for May 2009

### Research

#### Hawaii- Health Organizations

<p>Kaiser Permanente - HI</p> <p><u>Pacific Kids DASH for Health</u></p> <p>Suzanne P. Murphy</p> <p>Cancer Research Center</p> <p>This project will provide important information on the role of the DASH diet for obesity prevention in minority children. The study will integrate areas of nutrition, physical activity, social sciences, and epidemiology, to investigate interrelationships among food and the environment in promoting health.</p>	<p>\$5,566</p>
<p>Kaiser Permanente - HI</p> <p><u>Pacific Kids DASH for Health (PacDASH)</u></p> <p>Rachel Novotny</p> <p>Department of Human Nutrition, Food and Animal Sciences</p> <p>At UH-Design and develop project tools (specifically at HNFAS for the Pacific Tracker-Expert System tool.), test tools, oversee and manage study implementation, conduct data entry and analysis, and write reports. Principal investigator of study at Kaiser Permanente and UH.</p>	<p>\$245,607</p>
<p>Kaiser Permanente - HI</p> <p><u>Work, Weight, and Wellness Program -- The 3W Program ("Study")</u></p> <p>Rachel Novotny</p> <p>Department of Human Nutrition, Food and Animal Sciences</p> <p>Dr. Novotny will use this time to author papers based on the 3W study results as they relate to nutrition and ethnicity.</p>	<p>\$9,834</p>
<p>Kaiser Permanente - HI</p> <p><u>Pacific Kids DASH for Health</u></p> <p>Suzanne P. Murphy</p> <p>Cancer Research Center</p> <p>This project will provide important information on the role of the DASH diet for obesity prevention in minority children. The study will integrate areas of nutrition, physical activity, social sciences, and epidemiology, to investigate interrelationships among food and the environment in promoting health.</p>	<p>\$16,545</p>
<p>Kuakini Medical Center</p> <p><u>Kuakini Medical Center Subaward for Research Grant: Epidemiology of Brain Aging in the Very Old, NIH Grant No: 2U01AG019349-06A1</u></p> <p>Aaron McMurtray</p> <p>Department of Medicine</p> <p>Dr. McMurtray will be performing neurological examinations of cohort members on the "Epidemiology of Brain Aging in the Very Old" Project.</p>	<p>\$19,587</p>

#### Hawaii- Non-Profit Organizations

<p>Queen Emma Foundation</p> <p><u>The Compliance of Colon Cancer Patients (Stage III &amp; IV) with Cancer Cachexia in Consuming Yogurt as a Functional Food Supplement Versus Ensure</u></p> <p>Amy C. Brown</p> <p>Department of Complementary and Alternative Medicine</p> <p>This is a placebo-controlled, randomized, 3-month pilot study of 30 free-living patients (15 men; 15 women; 3 supplement groups with 15 subjects/group) with colorectal cancer (CRC) (Stage III &amp; IV after chemotherapy) to evaluate their compliance in consuming yogurt (active) or Ensure (calorically equivalent; approximately 8 ounces tid) along with weight loss or gain.</p>	<p>\$12,500</p>
<p>University of Hawaii Foundation</p> <p><u>Measure Up Castle</u></p> <p>Hannah Slovin</p> <p>Curriculum Research and Development Group</p> <p>Measure Up Castle</p>	<p>\$5,500</p>

## Gifts, Grants, and Contracts for May 2009

### Research

#### Mainland- Business and Other

<p>Adama Materials, Inc.</p> <p><u>Novel High-performance Hybrid Nanostructured Proton Exchange Membrane for Fuel Cells</u></p> <p>Mehrdad G Nejhad                      Department of Mechanical Engineering</p> <p>To demonstrate a proof-of-concept for novel, high-performance, light, hybrid polymer, nanostructured protein exchange membrane for fuel cells.</p>	<p>\$40,000</p>
<p>Eli Lilly &amp; Company</p> <p><u>Eli Lilly H80-MC-GWBQ Safety and Efficacy of Exenatide as Monotherapy and Adjunctive Therapy to Oral Antidiabetic Agents in Adolescents with Type 2</u></p> <p>Richard F Arakaki                      Department of Medicine</p> <p>This study will examine whether exenatide injected two times a day is superior to placebo in helping 10-16 year old type 2 diabetic patients control their blood sugar.</p>	<p>\$1,915</p>
<p>Incorporated Research Institutions for Seismology (IRIS)</p> <p><u>GSN Hawaii</u></p> <p>Rhett Butler                              Hawaii Institute of Geophysics and Planetology</p> <p>Global seismographic network research in Hawaii and worldwide.</p>	<p>\$4,000</p>
<p>Jet Propulsion Lab</p> <p><u>Three-dimensional Analysis of Graben-Pit Catenae for Mars and Earth</u></p> <p>Stephen J Martel                      Department of Geology and Geophysics</p> <p>The proposed research investigates the structure and mechanics of pit craters and associated faults on Mars and terrestrial analogs on Hawaii.</p>	<p>\$19,072</p>
<p>Jet Propulsion Lab</p> <p><u>New JPL 1279251 - Cassini IDS Orbital Phase</u></p> <p>Tobias Owen                              Institute for Astronomy</p> <p>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.</p>	<p>\$59,000</p>
<p>Jet Propulsion Lab</p> <p><u>New JPL 1279251 - Cassini IDS Orbital Phase</u></p> <p>Tobias Owen                              Institute for Astronomy</p> <p>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.</p>	<p>\$41,122</p>
<p>Phenomix Corporation</p> <p><u>A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multi-Center Study to Evaluate Safety and Efficacy of PHX1149T</u></p> <p>Richard F Arakaki                      Department of Medicine</p> <p>This randomized, double-blind, placebo-controlled study is intended to evaluate safety and efficacy of the drug PHX1149T as a monotherapy in subjects with Type 2 diabetes.</p>	<p>\$14,184</p>



## Gifts, Grants, and Contracts for May 2009

### Research

#### Mainland- Business and Other

<p>Phenomix Corporation</p> <p><u>A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multicenter Study to Evaluate Safety and Efficacy of PHX1149T in Subjects w/ Type 2 Diabetes</u></p> <p>Richard F Arakaki                                  Department of Medicine</p> <p>Phenomix PHX1149-PROT302 - This study is intended to investigate the safety and efficacy of the drug PHX1149T in subjects with Type 2 diabetes and who are on a background medication of Metformin.</p>	<p>\$54,390</p>
<p>Space Telescope Science Institute</p> <p><u>Cycle 17: Dynamical Masses of the Coolest Brown Dwarfs</u></p> <p>Michael C Liu    Institute for Astronomy</p> <p>Analyze and add to the knowledge of T Dwarf dynamical mass measurements.</p>	<p>\$71,220</p>
<p>Space Telescope Science Institute</p> <p><u>A Snapshot Survey of the Most Massive Clusters of Galaxies (3)</u></p> <p>Harald Ebeling    Institute for Astronomy</p> <p>Continuation of the SNAPshot survey using Hubble Space Telescope observations to study the shape of galaxy clusters and the mass distribution of the cluster core through the action of gravitational lensing.</p>	<p>\$148,982</p>
<p>Space Telescope Science Institute</p> <p><u>Investigating the Early Solar System with Distant Comet Nuclei</u></p> <p>Karen J Meech    Institute for Astronomy--Director</p> <p>Characterize nucleus of 8 new and long period comets located far from the sun.</p>	<p>\$106,812</p>
<p>United BioSource Corp</p> <p><u>A Phase 3B Randomized, Open-Label, Parallel Group, Multicenter Trial Assessing the Efficacy of Exubera vs. Lispro Introduced into Lantus-based Regime</u></p> <p>Richard F Arakaki    Department of Medicine</p> <p>This study is designed to test the effectiveness of the drug Exubera added to Lantus vs. Lispro &amp; Lantus to patients with uncontrolled diabetes who are already taking Lantus.</p>	<p>\$6,660</p>

#### Mainland- Non-Profit Organizations

<p>American Health Assistance Foundation</p> <p><u>Beta Amyloid Regulation of Presynaptic Nicotinic Current</u></p> <p>Robert Nichols    Department of Cell and Molecular Biology</p> <p>This research study is aimed at uncovering the function of beta amyloid, a small peptide that is one of the major pathological elements in Alzheimer's disease, in disrupting nerve cell communication in the brain. One identified target for beta amyloid - nicotine receptors - offers potential for novel drug therapy in treating the disease.</p>	<p>\$22,444</p>
<p>Consortium for Ocean Leadership</p> <p><u>IODP Expedition 321</u></p> <p>Roy H Wilkens    Hawaii Institute of Geophysics and Planetology</p> <p>Study on research ship collecting seafloor samples along the equatorial Pacific Ocean for the purpose of climate history studies.</p>	<p>\$42,498</p>

## Gifts, Grants, and Contracts for May 2009

### Research

#### Mainland- Non-Profit Organizations

NSABP Foundation Inc	\$1,300
<u>PFED22A-HAW-01, Master Purchased Services Agreement</u>	
Nancy L Furumoto	Cancer Research Center
The P-2 project coordinator continues with long-term followup of study participants and submits followup data to the sponsor as required.	
NSABP Foundation Inc	\$1,200
<u>PFED22A-HAW-01, Master Purchased Services Agreement</u>	
Nancy L Furumoto	Cancer Research Center
The P-2 project coordinator continues with long-term followup of study participants and submits followup data to the sponsor as required.	
National Fish and Wildlife Foundation	\$20,000
<u>Cleaning Waikoko Stream Discharge to Hanalei Coral Reefs</u>	
Ku'ulei Rodgers	Hawaii Institute of Marine Biology
Best Management Practices will be applied to taro farming to reduce pollution in Waikoko Stream. Sediment and nutrient reduction will improve coral health and larval recruitment on adjacent reefs.	

#### National Aeronautics and Space Administration

National Aeronautics & Space Administration	\$81,000
<u>Sharing Discoveries in Cosmochemistry on the Internet</u>	
G Jeffrey Taylor	Hawaii Institute of Geophysics and Planetology
We proposed to continue to write and manage Planetary Research Discoveries, an online science magazine that highlights for the public discoveries made through research funded by the NASA Cosmochemistry Program.	
National Aeronautics & Space Administration	\$1,484,823
<u>The NASA Infrared Telescope Facility: Mission Support and Solar System Observations</u>	
Alan Tokunaga	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	\$25,750
<u>CIRS Proposal</u>	
Tobias Owen	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	\$52,160
<u>Seasonality of Slope Streak Formation</u>	
Norbert Schorghofer	Institute for Astronomy
Analyze slope streak formation on Mars in regards to wind, temperature, dust devil activity, dust storms and other environmental activity.	
National Aeronautics & Space Administration	\$13,869
<u>Development of Next Generation Two-Dimensional Solid State Ion Detector (SCAPS)</u>	
Kazuhide Nagashima	Hawaii Institute of Geophysics and Planetology

## Gifts, Grants, and Contracts for May 2009

### Research

#### National Aeronautics and Space Administration

I propose to develop next generation ion detector called SCAPS having higher sensitivities against incident ions by improvement of secondary electron emission from surface electrode of SCAPS.

#### National Science Foundation

National Science Foundation \$132,186

NSF Visitor and Observing Support for the NASA Infrared Telescope Facility

Alan Tokunaga Institute for Astronomy

Funding is requested to cover the NSF portion of observing support at the NASA Infrared Telescope Facility.

National Science Foundation \$214,039

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

John M Sinton 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 \$60,000

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

David Vivic 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 \$77,753

Further Studies of El Niño-Southern Oscillation (ENSO) Dynamics

Feifei Jin Department of Meteorology

To continue and complete our theoretical and diagnostic studies of the dynamic and thermodynamical aspect of eddy-induced growth for low-frequency variability in the extratropical atmospheric circulation.

National Science Foundation \$139,119

AST 0909240 RUI: Star Formation

Marianne Takamiya Chancellor, University of Hawaii at Hilo-UHH

#### US Colleges and Universities

California State University, Northridge \$16,304

Coral Reefs in the US Virgin Islands: 1987-2019

Ruth D Gates Hawaii Institute of Marine Biology

DNA genotyping of endosymbiotic dinoflagellates harbored by corals collected from St John, USVI

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### Research

#### US Colleges and Universities

<p>Case Western Reserve University  <u>Metabolic Consequences of Thymidine Sparing Regimens</u>  Mariana Gerschenson                      John A. Burns School of Medicine  Perform laboratory assays on samples submitted by Case Western.</p>	<p>\$61,845</p>
<p>University of California, Los Angeles  <u>Subcontract from "CAREER: The Coordination of Leaf Hydraulics, Structure and Gas Exchange"</u>  Thomas A Ranker                              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.</p>	<p>\$31,323</p>
<p>University of California, Santa Barbara  <u>Public Domain ADMB Project</u>  John R Sibert                                      Joint Institute for Marine and Atmospheric Research  To develop the protocols for maintaining, testing and distributing AD Model Builder (ADMB) software across multiple hardware platforms, operating systems and compilers.</p>	<p>\$11,880</p>
<p>University of Central Florida  <u>SEPPCoN, A Survey of the Ensemble Physical Properties of Cometary Nuclei</u>  Karen J Meech                                      Institute for Astronomy  Acquire and analyze data from SEPPCoN datasets.</p>	<p>\$29,213</p>
<p>University of Michigan  <u>Phonotactic Cues to Categorical Perception in First and Second Language Speakers</u>  Luca Onnis    Department of Second Language Studies  We investigate the implications of a multiple-dimension integration approach for perceiving speech in a second language. Japanese learners of English find it difficult to perceive and pronounce the liquid distinction between the /l/ and /r/ phonemes in English. Four studies will assess the beneficial impact of learning phonotactic regularities to scaffold speech perception.</p>	<p>\$10,000</p>
<p>University of Washington  <u>Diabetes Prevention Outcomes Study in Hawaii</u>  Richard F Arakaki                                      Department of Medicine  Maintain outcome measures and retention of the Diabetes Prevention Program cohort in Hawaii. Intervention of lifestyle modification and metformin treatment are continued during the course of this proposal in people at risk and who have developed diabetes. In addition, more extensive outcome measures will be obtained in participants who have developed diabetes.</p>	<p>\$54,188</p>

<b>Subcount:</b>	<b>83</b>	<b>Subtotal:</b>	<b>\$11,663,883</b>
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## Gifts, Grants, and Contracts for May 2009

### Non-Research

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

<p>Health &amp; Human Svc, Dept - Ctrs for Disease Cntrl &amp; Prevention (CDC)  <u>NPCR Planning Grant - Pacific Regional Central Cancer Registry</u>  Lee Buenconsejo-Lum  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.</p>	<p>\$561,046</p>
<p>Health &amp; Human Svc, Dept - Natl Institutes of Health (NIH)  <u>Office of Research Development (EARDA)</u>  Jillian Inouye  Department of Nursing  The School of Nursing and Dental Hygiene, the Manoa lead for the Extramural Associated Development Award effort, will collaborate with the Office of Sponsored Research to enhance faculty research in the biomedical and behavioral sciences by offering workshops and seminars; providing a mentoring/collaborative program; and supporting pilot research.</p>	<p>\$105,840</p>
<p>Health &amp; Human Svc, Dept - Natl Institutes of Health (NIH)  <u>Origins of Neuronal Patterning in Animal Development - NRSA Fellow M. Layden</u>  Mark Q. Martindale  Pacific Biosciences Research Center  The work will be aimed at understanding the development of the nervous system including the brain, spinal cord and sensory systems. Because many neurological disorders result from developmental defects, by understanding neural development knowledge gained can be used to develop treatments for neurological disorders.</p>	<p>\$408</p>
<p>Health &amp; Human Svc, Dept/ACF - Adm on Devlpmntl Disabilities  <u>My Voice, My Choice</u>  Steven E Brown  Center on Disability Studies  My Voice, My Choice will create a Youth Information, Training and Resource Center (Center) to infuse youth self-advocacy into existing adult self-advocacy activities in the state and region.</p>	<p>\$16,266</p>
<p>Health &amp; Human Svc, Dept/NIH - Natl Inst of Mental Health  <u>NIMH Outreach Partnership Program</u>  Alexander M Wylie  Social Science Research Institute  To distribute information regarding individuals suffering from severe and persistent mental illness.</p>	<p>\$7,500</p>

#### DOD-Department of Defense

<p>Defense, Dept - Air Force Ofc of Scientific Rsch  <u>The Panoramic Survey Telescope and Rapid Response System (Pan-STARRS)</u>  Nicholas Kaiser  Institute for Astronomy  Supplemental funding for the design and construction of the Panoramic Survey Telescope and Rapid Response System (Pan-STARRS) PS2 prototype facility and operation of the PS1 prototype facility.</p>	<p>\$7,350,000</p>
<p>Defense, Dept - Office of Naval Research  <u>Advancing Curvature Adaptive Optics</u>  Christ Ftaclas  Institute for Astronomy  Purchase of Cascade 128+ camera system and PR-1 Series 85 polishing machining.</p>	<p>\$102,000</p>

## Gifts, Grants, and Contracts for May 2009

### Non-Research

#### DOD-Department of Defense

Defense, Dept - Office of Naval Research \$359,946

Acoustic Seaglidors: Mobile Tomography Receivers for the ONR Phillipine Sea Experiment

Bruce M Howe Department of Ocean and Resources Engineering

Three acoustic Seaglidors will be acquired to support the ONR Phillipine Sea Experiment in 2010-2011. Two units would be acquired using DoD DURIP funds, and one unit using University of Hawaii matching funds.

U.S. Naval Observatory \$48,218

United States Naval Observatory, Flagstaff Station (USNOFS) KCAM (K Camera) with University of Hawaii Institute for Astronomy

John L Tonry Institute for Astronomy

To fabricate a sensor, camera, cryogenic dewar, and command and control computer system to be used on the United States Naval Observatory Flagstaff Station 1.3m telescope.

#### ED-Dept of Education

Education, Dept - FED \$463,896

Leeward Community College - Regular Upward Bound: 2007-2012

Sandy Hoshino Chancellor, Leeward Community College

Provide college preparatory services for high school youth. Program's purpose is to increase academic performance and college going rates in low income and first generation students.

Education, Dept - FED \$199,998

Project Manawa Kupono (Opportunity): Preparing Educators to Improve Outcomes for Students with Autism

Jenny Wells Department of Special Education

This four-year project will recruit & prepare 30 M.Ed. trainees (2 cohorts of 15) to be special education teachers for students with autism. Program graduates will be eligible for special education licensure in Hawaii.

Education, Dept - FED \$485,570

Title III for Native Hawaiian Serving Institutions - 84.031

Sandra Y Matsui Chancellor, Honolulu Community College

Develop curriculum in Ocean Hawaii, Music Enterprise learning Experience and 1st Year Experience/Learning Communities.

Education, Dept - FED \$376,289

Improving Student Success, Transition and Retention

Helen A Cox Chancellor, Kauai Community College

The purpose of this grant is to strengthen the retention, graduation and success rates for the under-prepared student population at Kauai Community College by implementing a campus-wide College Success program which is modeled on the already successful case management pilot program and the EPSCoR funded Academy for Future Nurses.

Education, Dept - FED \$373,765

Ha'akumalae

Douglas Dykstra Chancellor, Hawaii Community College

The Hawaiian Life Styles Program of Hawaii Community College will conduct three activities to improve Native Hawaiian educational attainment: (1) renovating instructional space; (2) strengthening native hawaiian student success; (3) developing faculty connections.

## Gifts, Grants, and Contracts for May 2009

### Non-Research

#### ED-Dept of Education

<p>Education, Dept - FED</p> <p><u>Adapted Physical Education Training of u.S. Pacific Islanders Using a Teacher-Consultant Model (Project APERT)</u></p> <p>Nathan M Murata</p> <p>Project APERT is based on a Teacher-Consultant Model that will increase the number of qualified personnel providing general and adapted physical education services to P-12 pupils with high and how incidence disabilities in American Samoa, Guam and rural areas of Hawaii.</p>	<p>\$194,766</p>
<p>Education, Dept - FED</p> <p><u>National Resouce Center for East Asian Studies at the University of Hawaii - NRC</u></p> <p>Robert N Huey</p> <p>Funding for new course development evaluation of East Asian Languages Program (including placement tests), outreach activities, library acquisitions, and graduate student fellowships in East Asian Studies at University of Hawaii</p>	<p>\$335,000</p>
<p>Education, Dept - FED</p> <p><u>Advanced Filipino Abroad Program</u></p> <p>Ruth S Mabanglo</p> <p>Eight week advanced Filipino language immersion project in De La Salle University-Dasmarias campus, set in a rural town in Cavite Province, Philippines. This is funded by Fulbright-Hays Groups Projects Abroad of the United States Department of Education.</p>	<p>\$83,830</p>
<p>Education, Dept - FED</p> <p><u>Renovations for Student Success in Developmental, Digital Media/STEM, and Business Education</u></p> <p>Leon Richards</p> <p>Renovation of the Kahikoluamea Center (Iliahi, Manele), Business Learning Center, and Digital Media/STEM Center (Kopiko) will create learning settings for improved student support services, increased student effort in active, collaborative, and technology-integrated learning of Developmental, Digital Media/STEM, and Business Education curricula.</p>	<p>\$1,636,045</p>
<p>Education, Dept - FED</p> <p><u>Redefining Student Services</u></p> <p>Lui K Hokoana</p> <p>Improving student progress and increasing retention through additional intervention and opportunities. Developing capacity for continous course and program improvement.</p>	<p>\$412,455</p>
<p>Education, Dept - FED</p> <p><u>Advanced Study of Khmer (ASK) - Summer Abroad Intensive Program in Cambodia</u></p> <p>Chhany Sak-Humphry</p> <p>The intensive and immersion advanced study of Khmer language program in Cambodia.</p>	<p>\$67,115</p>
<p>Education, Dept - Ofc of Postsecondary Ed-FED</p> <p><u>Improving Engagement and Retention Among Underprepared Students</u></p> <p>Michael H Pecsok</p> <p>A grant to strengthen LCC's capacity to serve underprepared students (with emphasis on Native Hawaiian populations) and expand assessment and institutional research.</p>	<p>\$39,363</p>

## Gifts, Grants, and Contracts for May 2009

### Non-Research

#### ED-Dept of Education

Education, Dept - Ofc of Postsecondary Ed-FED \$472,330

Strengthening Maui Community College's Hawaiian Studies Program, Increasing Student Persistence and Graduation, and Developing an Assoc. Degree in Ed.

Suzette T Robinson Chancellor, Maui Community College

Strengthening Maui Community College Hawaiian Studies program, increasing student persistence and graduation and developing an Associate degree in Education.

Education, Dept - Ofc of Postsecondary Ed-FED \$284,847

Kokua a Puni - Native Hawaiian Student Service Program

Antoinette K Freitas Hawai'inuiakea School of Hawaiian Knowledge

This grant proposes to increase access to four-year degrees at UHM; retention and graduation rates; and performance reporting for Native Hawaiian students. The proposed activities include: summer retention program; academic tutorial services; academic and career advising, case management, student monitoring program, computer training, and technological upgrades.

### Foreign

Federated States of Micronesia \$8,000

Institutional Research Activity for PPEC

Douglas Dykstra Department of Counselor Education

Develop an Institutional Fact Book which includes demographic information and student achievements.

Republic of Palau \$25,000

Pacific Regional Comprehensive Cancer Control Program - Palau Ministry of Health Subcontract

Neal A Palafox Department of Family Medicine and Community Health

Implement the Pacific Regional Comprehensive Cancer Control Program.

Republic of the Marshall Islands \$30,000

Pacific Regional Comprehensive Cancer Control Implementation Program (Subcontract From RMI MOH)

Neal A Palafox Department of Family Medicine and Community Health

Implement the Pacific Regional Comprehensive Cancer Control Program in conjunction with the USAPI jurisdictions; develop a shared cancer resource for use by the jurisdictions; conduct relevant training for health providers; build capacity and policies relevant to cancer control.

The Academy of Korean Studies \$5,000

19th Japanese/Korean Linguistics Conference

Ho-Min Sohn Department of East Asian Languages and Literatures

Pay for conference expenses for honoraria and airfare for 5 special guest speakers.

World Meteorological Organization \$127,793

WMO/JIMAR Pacific International Desk

Thomas A Schroeder Joint Institute for Marine and Atmospheric Research

Training is provided to selected candidate meteorologists from the predominantly island nations within World Meteorological Organization (WMO) Region 5. Goal is to train in techniques and technology applicable to their nations and physically transfer appropriate hardware and software to that nation.



## Gifts, Grants, and Contracts for May 2009

### Non-Research

#### Hawaii- Business and Other

Alu Like, Inc	\$41,629
<u>Fisheries Observer Preparatory Training</u>	
Cynthia L. Hunter	Waikiki Aquarium
Conduct Fisheries Observer Preparatory Training for students provided by Alu Like, Inc.	
East West Center	\$20,000
<u>United States Institute on the Environment, Hosted by East-West Center</u>	
John H Cusick	Water Resources Research Center
Curriculum development, classroom lectures and guided field days on U.S. environmental movement and environmental education.	
Kamehameha Schools	\$35,000
<u>UHH Hawaiian Internship Program 2009</u>	
Sharon Ziegler-Chong	Pacific Aquaculture-UHH
Provide summer internships to Native Hawaiian students	
Kamehameha Schools	\$198,750
<u>Kamehameha Advanced Public Health Nursing Program</u>	
Kristine Qureshi	School of Nursing and Dental Hygiene
The Kamehameha Advanced Public Health Nursing Program will educate nurses of Native Hawaiian (NH) ancestry to attain a masters degree in advanced public health nursing. The program will serve to increase representation of NH nurses with specialty education in advanced public health nursing, and improve health outcomes for the NH population in Hawaii.	
Kamehameha Schools	\$45,184
<u>2009 Summer Exploration Program</u>	
Sara Narimatsu	Chancellor, Hawaii Community College
Provide high school students the opportunity during the summer to explore a field that they may want to pursue by enrolling in a 60-hour high school elective course.	

#### Hawaii- Government Agencies

County of Maui	\$2,500
<u>Celebrate Reading - Maui</u>	
Renee Riley	Chancellor, Maui Community College
Celebrate Reading - Maui mentoring and spring festival introduces and connects authors and Maui County students by allowing the students to interact with authors they have read and admired.	
Education, Dept - HI	\$50,000
<u>Coordination &amp; Administration of 2009 High School Hawaii Youth Risk Behavior Survey</u>	
Susan M Saka	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.	

## Gifts, Grants, and Contracts for May 2009

### Non-Research

#### Hawaii- Government Agencies

<p>Education, Dept - HI</p> <p style="padding-left: 20px;"><u>Provision of Professional Development in Mathematics</u></p> <p style="padding-left: 20px;">Melfried Olson                                      Curriculum Research and Development Group</p> <p style="padding-left: 20px;">To provide professional development to utilize standards-based curriculum, instruction and assessment, and to increase teacher and student proficiency in mathematics.</p>	<p>\$13,600</p>
<p>Hawaii Tourism Authority</p> <p style="padding-left: 20px;"><u>On-Line Language and Cultural Training</u></p> <p style="padding-left: 20px;">Carol A Hoshiko                                      Chancellor, Kapiolani Community College</p> <p style="padding-left: 20px;">Kap CC will provide; the development of on-line language and culture training for Hawaii's visitor industry employees focusing on the Chinese, Korean and Japanese markets.</p>	<p>\$22,770</p>
<p>Hawaiian Affairs, Office of-HI</p> <p style="padding-left: 20px;"><u>Program Evaluation, Office of Hawaiian Affairs</u></p> <p style="padding-left: 20px;">Hamilton I. McCubbin                                      School of Social Work</p> <p style="padding-left: 20px;">To provide program evaluation services for OHA sponsored projects.</p>	<p>\$81,493</p>
<p>Hawaiian Affairs, Office of-HI</p> <p style="padding-left: 20px;"><u>Program Evaluation, Office of Hawaiian Affairs</u></p> <p style="padding-left: 20px;">Hamilton I. McCubbin                                      School of Social Work</p> <p style="padding-left: 20px;">To provide program evaluation services for OHA sponsored projects.</p>	<p>\$131,994</p>
<p>Hawaiian Affairs, Office of-HI</p> <p style="padding-left: 20px;"><u>Evaluation of Native Hawaiian Historic Preservation Council</u></p> <p style="padding-left: 20px;">Hamilton I. McCubbin                                      School of Social Work</p> <p style="padding-left: 20px;">CTERP will conduct interviews with members of the Native Hawaiian Historic Preservation Council and OHA support staff, as well as review council documents to determine progress, alignment, productivity, efficiency, and impact of the council.</p>	<p>\$3,000</p>
<p>Hawaiian Affairs, Office of-HI</p> <p style="padding-left: 20px;"><u>Evaluation of Kahikolu 'Ohana O Waianae</u></p> <p style="padding-left: 20px;">Hamilton I. McCubbin                                      School of Social Work</p> <p style="padding-left: 20px;">CTERP will evaluate the program which will provide housing and on-site services for homeless Hawaiians on the Waianae Coast, by measuring program outcomes, achievements, and participants well-being.</p>	<p>\$10,000</p>
<p>Health, Dept - HI</p> <p style="padding-left: 20px;"><u>Social Work Services</u></p> <p style="padding-left: 20px;">Jon K Matsuoka                                      School of Social Work</p> <p style="padding-left: 20px;">Provide social work services in conjunction with on-site training for social work students in adult mental health case management and psycho-social rehabilitation.</p>	<p>\$327,220</p>
<p>Human Services, Dept - HI</p> <p style="padding-left: 20px;"><u>Bridge to Hope Student Support</u></p> <p style="padding-left: 20px;">Teresa J Bill                                      Vice Chancellor for Student Affairs</p> <p style="padding-left: 20px;">University of Hawaii will administer and provide campus work opportunities to eligible TANF/TAONF students through its Bridge to Hope program on all University of Hawaii campuses state-wide.</p>	<p>\$372,163</p>

## Gifts, Grants, and Contracts for May 2009

### Non-Research

#### Hawaii- Government Agencies

Human Services, Dept - HI	\$489,292
<u>Title IV-E: CFS-Distance Education FY07-08</u>	
Ann R Alvarez	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).	
Human Services, Dept - HI	\$138,401
<u>Partnership to Increase the Quality of Hawaii's Medicaid Services</u>	
Jon K Matsuoka	School of Social Work
To assist the DHS Med-Quest Division with data collection and training and to provide consultation regarding Medicaid related issues.	
Land & Natural Res, Dept - Div of Aquatic Resources-HI	\$75,000
<u>DLNR Marine Law Fellowship</u>	
Denise E Antolini	William Richardson School of Law
The DLNR Marine Law Fellowship will support a one-year post-graduate legal position at DLNR, focused on strengthening marine/coral reef protection laws and enforcement, in partnership with the Law School and the Attorney General's office.	
Public Safety, Dept - HI	\$264,662
<u>Hawaii Academy for Training on Sex Offender Management</u>	
Charlene Baker	Department of Psychology
The purpose of the project is to establish a training academy for sex offender management including the evaluation of a "train the trainer" curriculum to meet the needs of practitioners in Hawaii who work with sex offenders.	
Public Safety, Dept - HI	\$21,997
<u>Hawaii Academy for Training on Sex Offender Management</u>	
Charlene Baker	Department of Psychology
The purpose of the project is to establish a training academy for sex offender management including the evaluation of a "train the trainer" curriculum to meet the needs of practitioners in Hawaii who work with sex offenders.	

#### Hawaii- Health Organizations

University Clinical, Education & Research Assoc. (UCERA)	\$496,711
<u>Deliver Special Medical Care Program in the Marshall Islands for the P.L. 99-239 Mandated Rongelap &amp; Utirik Populations</u>	
Jill S. M. Omori(Minami)	Department of Family Medicine and Community Health
Provide time & effort of University of Hawaii John A. Burns School of Medicine Department of Family Medicine & Community Health physicians & administrative support to University Clinical Education & Research Associates for project "Deliver Special Medical Care Program in the Marshall Islands for the P.L. 99-239 Mandated Rongelap & Utirik Populations"	
Waianae Coast Comprehensive Health Center	\$95,752
<u>FY '09 Waianae Coast Comprehensive Health Center (WCCHC) Health-Medical Assistant/Nurse Aide (NHEA)</u>	
Salvatore Lanzilotti	Chancellor, Kapiolani Community College
Provide Long-Term Care Nurse Aide and Medical Assisting programs of study; student orientation and support services; practicum/internship and instruction for the Waianae Health Academy.	

## Gifts, Grants, and Contracts for May 2009

### Non-Research

#### Hawaii- Health Organizations

Waianae Coast Comprehensive Health Center	\$62,494
<u>Waianae Coast Comprehensive Health Center (WCCHC) Alu Like Health/Dental Assistant /Phlebotomy</u>	
Salvatore Lanzilotti	Chancellor, Kapiolani Community College
Provide an introduction to health professions program, a dental assisting program, a health prerequisite program and a phlebotomy program of study; student orientation and support services; practicum/internship and instruction for the Waianae Health Academy.	
Waianae Coast Comprehensive Health Center	\$24,911
<u>Waianae Coast Comprehensive Health Center (WCCHC)/TANF Nurse Aide FY 09</u>	
Salvatore Lanzilotti	Chancellor, Kapiolani Community College
Provide the Nurse Aide Long-Term Care/Home Health Aide program of study; student orientation and support services; practicum/internship and instruction for the Waianae Health Academy.	

#### Hawaii- Non-Profit Organizations

Hawaii Community Foundation (HCF)	\$7,500
<u>43799 UH Hilo Visiting Artist Program</u>	
Wayne A Miyamoto	Humanities-UHH
Present renown visiting artists to students at UH Hilo	
University of Hawaii Foundation	\$2,500
<u>CCS Staff and Student Support</u>	
Rosita Ping-Hwa Chang	Center for Chinese Studies
Funds to pay salary and fringes for students and staff working on various projects of the Center for Chinese Studies.	
University of Hawaii Foundation	\$78,252
<u>Kudo Chair of Law</u>	
Aviam Soifer	William Richardson School of Law
Faculty Salary and Fringe Benefits for the Kudo Chair of Law.	
University of Hawaii Foundation	\$3,000
<u>Hi Chang Chai Excellence in Teaching Award</u>	
Song K Choi	College of Engineering
The funds are used to provide three excellence in teaching awards for faculty members in the College of Engineering.	
University of Hawaii Foundation	\$226,638
<u>Law School Annual Fund</u>	
Aviam Soifer	William Richardson School of Law
Process payment for Law School UHF account with payroll and tax implications.	

## Gifts, Grants, and Contracts for May 2009

### Non-Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$75,000  
Coral Industries Distinguished Professor of Renewable Energy Chairholder  
 Michael J Antal Hawaii Natural Energy Institute  
 To provide for salary, fringe benefit costs, and other program expenses.

University of Hawaii Foundation \$29,000  
WCC/UHF Pacific Initiative for Environmental Studies  
 David A Krupp Chancellor, Windward Community College  
 Project involves a summer environmental science program for High School Juniors and seniors, as well as environmental science training for college undergraduate students. Students will learn basic concepts and methods for studying the Hawaiian environment.

#### Mainland- Business and Other

National Writing Project \$60,000  
2009-2010 Continued Funding Application for Hawaii Writing Project  
 Rhonda Nowak Institute for Teacher Education  
 The HWP is an affiliated site of the National Writing Project, a national, federally funded professional development network, which seeks to improve writing in K-12 classrooms.

Thirty Meter Telescope Observatory Corporation \$34,500  
Hawaii Akamai Program  
 Lisa Hunter Institute for Astronomy  
 Provide travel and lodging support for 15 students to attend Akamai Internship program.

#### Mainland- Non-Profit Organizations

Association of Universities for Research in Astronomy, Inc (AURA) \$2,900  
Focal Plate for ODI Test Dewar (PO P50718A)  
 Peter Onaka Institute for Astronomy  
 To build Focal Plate for ODI (One Degree Imager) Test Dewar.

Consortium for Ocean Leadership \$28,000  
Schlanger Ocean Drilling Fellowship 2009-2010  
 Gregory E. Ravizza Department of Geology and Geophysics  
 Graduate fellowship to support basic research related to ocean drilling. The fellowship award will provide \$28,000 of support to the applicant Francois Paquay to investigate osmium and molybdenum isotope variations in Paleocene and Eocene sediments recovered from the Arctic Ocean during IODP Expedition 302 as proxy indicators of gradual ventilation driven by plate motions.

Las Cumbres Observatory Global Telescope Network Inc \$50,300  
IfA Hawaiian EPO Program  
 Jeffrey R. Kuhn Institute for Astronomy  
 Development and implementation of the Hawaiian Education and Public Outreach Program by the UH Institute for Astronomy and the Las Cumbres Observatory Global Telescope Network, Inc.

## Gifts, Grants, and Contracts for May 2009

### Non-Research

#### National Aeronautics and Space Administration

National Aeronautics & Space Administration \$785,000  
The Hawaii Space Grant Consortium: Educating the New NASA Workforce  
 Luke Paul Flynn Hawaii Institute of Geophysics and Planetology  
 The proposed effort outlines the goals carried out by the Hawaii Space Grant Consortium to support NASA science education and workforce development activities.

#### National Science Foundation

National Science Foundation \$1,437,287  
University of Hawaii Ship Operation 2005-2009  
 Brian Taylor School of Ocean and Earth Science and Technology  
 Continued support of ship operations for 2009, R/V Kilo Moana.

National Science Foundation \$10,000  
Institutional Allowance for Postdoctoral Research Fellowship: Nat Bletter  
 Will C McClatchey Department of Botany  
 PostDoctoral Fellowship Institutional Allowance for Nat Bletter and sponsor, Will McClatchey, to carry out and support training project to research plants and migration with people of Northern Thailand and Laos, including introduction of foreign plants.

National Science Foundation \$16,000  
Retrodirective Antenna Arrays for Secure Data Transmission in Covert Terrestrial and Nanosatellite Sensor Networks (17U07UHShiro)  
 Wayne Akira Shiroma Department of Electrical Engineering  
 Develop novel antennas for intelligence-gathering scenarios. Supplement for scholarship support for two undergraduate students.

National Science Foundation \$547,648  
Oceanographic Technical Services 2009-2011, R/V Kilo Moana  
 Alexander N Shor School of Ocean and Earth Science and Technology  
 Support for shipboard technical services on UH research vessels.

#### US Colleges and Universities

Lorain County Community College \$13,757  
National Center of Excellence in Welding Education and Training  
 Mark D Silliman Chancellor, Honolulu Community College  
 Provide advice to and represent, the regional center at scheduled Weld-Ed meetings; conduct regional skill panel efforts for the college's service area; represent Weld-Ed in Hawaii; provide information on industry needs and student data in support of national surveys; and utilize Weld-Ed educational materials in the instructional delivery and program marketing.

University of Medicine and Dentistry of New Jersey \$14,000  
UMDNJ/New Jersey Institute for Successful Aging Reynolds Subcontract  
 Christina Bell Department of Geriatric Medicine  
 Subcontract agreement between UMDNJ - School of Osteopathic Medicine/New Jersey Institute for Successful Aging to provide technical assistance for their Donald W. Reynolds Foundation grant. To include a 2-day faculty

## **Gifts, Grants, and Contracts for May 2009**

### **Non-Research**

#### **US Colleges and Universities**

development workshop and application, assessment, and evaluation of OSCEs as part of grant.

<b>Subcount:</b>	<b>71</b>	<b>Subtotal:</b>	<b>\$20,618,091</b>
<b>Count:</b>	<b><u>154</u></b>	<b>Total:</b>	<b><u>\$32,281,974</u></b>

## Funds Received from UH Foundation for 05/01/2009 - 05/31/2009

### Non-Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation "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.	\$75,000
University of Hawaii Foundation "CCS Staff and Student Support" Chang, Rosita Ping-Hwa Center for Chinese Studies Funds to pay salary and fringes for students and staff working on various projects of the Center for Chinese Studies.	\$2,500
University of Hawaii Foundation "Hi Chang Chai Excellence in Teaching Award" Choi, Song K College of Engineering The funds are used to provide three excellence in teaching awards for faculty members in the College of Engineering.	\$3,000
University of Hawaii Foundation "WCC/UHF Pacific Initiative for Environmental Studies" Krupp, David A Chancellor, Windward Community College Project involves a summer environmental science program for High School Juniors and seniors, as well as environmental science training for college undergraduate students. Students will learn basic concepts and methods for studying the Hawaiian environment.	\$29,000
University of Hawaii Foundation "Kudo Chair of Law" Soifer, Aviam William Richardson School of Law Faculty Salary and Fringe Benefits for the Kudo Chair of Law.	\$78,252
University of Hawaii Foundation "Law School Annual Fund" Soifer, Aviam William Richardson School of Law Process payment for Law School UHF account with payroll and tax implications.	\$226,638

### Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation "Measure Up Castle" Slovin, Hannah Curriculum Research and Development Group Measure Up Castle	\$5,500
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**Count:** 7

**Total:** \$419,890



**Extramural Research Awards  
for the Month of  
May 2009  
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	\$25,000	0.21%
DHHS-Dept of Health and Human Services	4	\$718,256	6.16%
DOC-Dept of Commerce	3	\$2,089,999	17.92%
DOD-Department of Defense	10	\$2,374,871	20.36%
DOE-Dept of Energy	2	\$1,167,167	10.01%
DOI-Dept of Interior	5	\$343,393	2.94%
Foreign	1	\$390,138	3.34%
Hawaii- Business and Other	4	\$294,806	2.53%
Hawaii- Government Agencies	11	\$792,160	6.79%
Hawaii- Health Organizations	6	\$299,842	2.57%
Hawaii- Non-Profit Organizations	2	\$18,000	0.15%
Mainland- Business and Other	12	\$567,357	4.86%
Mainland- Non-Profit Organizations	5	\$87,442	0.75%
National Aeronautics and Space Administration	5	\$1,657,602	14.21%
National Science Foundation	5	\$623,097	5.34%
US Colleges and Universities	7	\$214,753	1.84%
<b>Total:</b>	<b><u>83</u></b>	<b><u>\$11,663,883</u></b>	<b><u>100%</u></b>

**Extramural Non-Research Awards  
for the Month of  
May 2009  
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>
DHHS-Dept of Health and Human Services	5	\$691,060	3.35%
DOD-Department of Defense	4	\$7,860,164	38.12%
ED-Dept of Education	14	\$5,425,269	26.31%
Foreign	5	\$195,793	0.95%
Hawaii- Business and Other	5	\$340,563	1.65%
Hawaii- Government Agencies	15	\$2,004,092	9.72%
Hawaii- Health Organizations	4	\$679,868	3.30%
Hawaii- Non-Profit Organizations	7	\$421,890	2.05%
Mainland- Business and Other	2	\$94,500	0.46%
Mainland- Non-Profit Organizations	3	\$81,200	0.39%
National Aeronautics and Space Administration	1	\$785,000	3.81%
National Science Foundation	4	\$2,010,935	9.75%
US Colleges and Universities	2	\$27,757	0.13%
<b>Total:</b>	<b><u>71</u></b>	<b><u>\$20,618,091</u></b>	<b><u>100%</u></b>

**Extramural Research Awards  
Year to Date: 07/01/08 - 05/31/09  
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	62	\$6,782,574	3.06%
DHHS-Dept of Health and Human Services	91	\$47,749,483	21.55%
DOC-Dept of Commerce	57	\$22,000,012	9.93%
DOD-Department of Defense	82	\$39,209,701	17.70%
DOE-Dept of Energy	18	\$8,972,892	4.05%
DOI-Dept of Interior	41	\$3,139,056	1.42%
Federal Agencies	4	\$2,086,602	0.94%
Foreign	14	\$4,073,054	1.84%
Hawaii- Business and Other	42	\$4,942,839	2.23%
Hawaii- Government Agencies	139	\$17,282,753	7.80%
Hawaii- Health Organizations	28	\$1,675,865	0.76%
Hawaii- Non-Profit Organizations	50	\$2,602,367	1.17%
Mainland- Business and Other	101	\$12,494,020	5.64%
Mainland- Health Organizations	9	\$541,039	0.24%
Mainland- Non-Profit Organizations	38	\$2,873,875	1.30%
Miscellaneous	2	\$102,891	0.05%
National Aeronautics and Space Administration	70	\$16,064,895	7.25%
National Science Foundation	96	\$22,888,935	10.33%
US Colleges and Universities	81	\$6,053,504	2.73%
<b>Total:</b>	<b><u>1025</u></b>	<b><u>\$221,536,357</u></b>	<b><u>100%</u></b>

**Extramural Non-Research Awards  
Year to Date: 07/01/08 - 05/31/09  
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	16	\$4,662,754	3.21%
DHHS-Dept of Health and Human Services	34	\$8,986,637	6.20%
DOC-Dept of Commerce	11	\$1,502,530	1.04%
DOD-Department of Defense	22	\$13,501,548	9.31%
DOI-Dept of Interior	30	\$1,757,327	1.21%
ED-Dept of Education	82	\$33,169,438	22.87%
Federal Agencies	23	\$6,462,108	4.46%
Foreign	29	\$5,722,770	3.95%
Hawaii- Business and Other	58	\$8,762,865	6.04%
Hawaii- Government Agencies	184	\$28,100,866	19.37%
Hawaii- Health Organizations	41	\$7,607,924	5.24%
Hawaii- Non-Profit Organizations	96	\$5,425,235	3.74%
Mainland- Business and Other	20	\$943,312	0.65%
Mainland- Health Organizations	4	\$61,544	0.04%
Mainland- Non-Profit Organizations	27	\$3,594,838	2.48%
Miscellaneous	2	\$4,800	0.00%
National Aeronautics and Space Administration	9	\$2,910,005	2.01%
National Science Foundation	21	\$8,562,754	5.90%
US Colleges and Universities	38	\$3,312,666	2.28%
<b>Total:</b>	<b><u>747</u></b>	<b><u>\$145,051,921</u></b>	<b><u>100%</u></b>