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

Research

DA-Dept of Agriculture

Agriculture, Dept - Forest Service-FED

EDRR Proposal to Survey for Invasive Bark Beetles (Scolytinae) in Hawaii
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)

Cyclopentannelation in Total Synthesis
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)

TRPV Pharmacophores from Cnidarian Venom
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, DeptNIH - Natl Cancer Institute

The Colon Cancer Family Registry: Hawaii
Loic Le Marchand Cancer Research Center
To maintain and expand the Hawaii Colorectal Cancer Family Registry for the next four years.

Health & Human Svc, DeptNIH - Natl Inst of General Medical Sciences

Transposon Based Mammalian Transgenesis and Transfection
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)

Sea Grant College Program Institutional Program
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)

Sea Grant College Program Institutional Program
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  
*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 Moister Accounting Model (SAC-SMA) for operational flash flood forecasting in the Hanalei Watershed, Kauai.

**DOD-Department of Defense**

Defense, Dept - Air Force  
*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  
*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  
*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  
*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  
*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 Supercomputing Center.

Defense, Dept - Air Force Ofc of Scientific Rsch  
*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
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
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
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
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
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
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
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 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
Sensitivity of Adult and Early Life Stage Tropical Corals to Metal Toxicity: Influence of Temporal Variation on Risk Assessment
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 Pocillopora damicornis from the Hawaiian Islands over time.

Interior, Dept - U.S. Geological Survey $28,125
National Assessment: Historical Shoreline Changes and Associated Coastal Land Loss Along Sandy Shorelines of the Islands Oahu, Maui, and Kauai
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
Hawaiian Forest Bird Research: Publishing Bird Trends
Sharon Ziegler-Chong Pacific Aquaculture-UHH
Complete data analysis and production of reports on the status and distribution of Hawn forest birds, including population estimates, distribution maps, and trends analysis.

Interior, Dept - U.S. Geological Survey $250,000
Coop Monitoring & Assessment of Hawaii Volcanoes
Donald M Thomas Natural Sciences-UHH

Foreign

Bio-ON $390,138
Cane Molasses as the Foodstock of PHA Bioplastics
Jian Yu Hawaii Natural Energy Institute
Can 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
Field Evaluation of Oil Seed Crops at Benchmark Locations
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
Radar on a Chip
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
Assessing Kaho`olawe Island Reserve's Bottomfish Population
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
Identification of Algae Samples to Lowest Relevant Taxonomic Level and Sequence Data for Algae Samples through UH Botany Department
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
USGS Avian Influenza Maui Surveillance Plan
David C Duffy Department of Botany
Sample bird populations on Maui for avian influenza virus.

Land & Natural Res, Dept - HI $102,500
Detection and Control of Invasive Species on Kauai
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
Detection and Control of Invasive Species on Oahu
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
Affiliation Agreement for Consultative, Assessment, and Training Services
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
Pacific Kids DASH for Health
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

Kaiser Permanente - HI $5,566
Pacific Kids DASH for Health
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.

Kaiser Permanente - HI $245,607
Pacific Kids DASH for Health (PacDASH)
Rachel Novotny Department of Human Nutrition, Food and Animal Sciences
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.

Kaiser Permanente - HI $9,834
Work, Weight, and Wellness Program -- The 3W Program ("Study")
Rachel Novotny Department of Human Nutrition, Food and Animal Sciences
Dr. Novotny will use this time to author papers based on the 3W study results as they relate to nutrition and ethnicity.

Kaiser Permanente - HI $16,545
Pacific Kids DASH for Health
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.

Kuakini Medical Center $19,587
Kuakini Medical Center Subaward for Research Grant: Epidemiology of Brain Aging in the Very Old, NIH Grant No: 2U01AG019349-06A1
Aaron McMurtray Department of Medicine
Dr. McMurtray will be performing neurological examinations of cohort members on the "Epidemiolog of Brain Aging in the Very Old" Project.

Hawaii- Non-Profit Organizations

Queen Emma Foundation $12,500
The Compliance of Colon Cancer Patients (Stage III & IV) with Cancer Cachexia in Consuming Yogurt as a Functional Food Supplement Versus Ensure
Amy C. Brown Department of Complementary and Alternative Medicine
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 & 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.

University of Hawaii Foundation $5,500
Measure Up Castle
Hannah Slovin Curriculum Research and Development Group
Measure Up Castle
Gifts, Grants, and Contracts for May 2009

Research

Mainland- Business and Other

Adama Materials, Inc. $40,000

Novel High-performance Hybrid Nanostructured Proton Exchange Membrane for Fuel Cells
Mehrdad G Nejhad Department of Mechanical Engineering

To demonstrate a proof-of-concept for novel, high-performance, light, hybrid polymer, nanostructured protein exchange membrane for fuel cells.

Eli Lilly & Company $1,915

Eli Lilly H80-MC-GWBQ Safety and Efficacy of Exenatide as Monotherapy and Adjunctive Therapy to Oral Antidiabetic Agents in Adolescents with Type 2
Richard F Arakaki Department of Medicine

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.

Incorporated Research Institutions for Seismology (IRIS)
GSN Hawaii $4,000

Rhett Butler Hawaii Institute of Geophysics and Planetology

Global seismographic network research in Hawaii and worldwide.

Jet Propulsion Lab $19,072

Three-dimensional Analysis of Graben-Pit Catenae for Mars and Earth
Stephen J Martel Department of Geology and Geophysics

The proposed research investigates the structure and mechanics of pit craters and associated faults on Mars and terrestrial analogs on Hawaii.

Jet Propulsion Lab $59,000

New JPL 1279251 - Cassini IDS Orbital Phase
Tobias Owen Institute for Astronomy

To work with results from the orbiter and the probe regarding the origin of Saturn and the origin and early evolution of the atmosphere of Titan.

Jet Propulsion Lab $41,122

New JPL 1279251 - Cassini IDS Orbital Phase
Tobias Owen Institute for Astronomy

To work with results from the orbiter and the probe regarding the origin of Saturn and the origin and early evolution of the atmosphere of Titan.

Phenomix Corporation $14,184

A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multi-Center Study to Evaluate Safety and Efficacy of PHX1149T
Richard F Arakaki Department of Medicine

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.
Gifts, Grants, and Contracts for May 2009

Research

Mainland- Business and Other

Phenomix Corporation $54,390
A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multicenter Study to Evaluate Safety and Efficacy of PHX1149T in Subjects w/ Type 2 Diabetes
Richard F Arakaki Department of Medicine
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.

Space Telescope Science Institute $71,220
Cycle 17: Dynamical Masses of the Coolest Brown Dwarfs
Michael C Liu Institute for Astronomy
Analyze and add to the knowledge of T Dwarf dynamical mass measurements.

Space Telescope Science Institute $148,982
A Snapshot Survey of the Most Massive Clusters of Galaxies (3)
Harald Ebeling Institute for Astronomy
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.

Space Telescope Science Institute $106,812
Investigating the Early Solar System with Distant Comet Nuclei
Karen J Meech Institute for Astronomy--Director
Characterize nucleus of 8 new and long period comets located far from the sun.

United BioSource Corp $6,660
A Phase 3B Randomized, Open-Label, Parallel Group, Multicenter Trial Assessing the Efficacy of Exubera vs. Lispro Introduced into Lantus-based Regime
Richard F Arakaki Department of Medicine
This study is designed to test the effectiveness of the drug Exubera added to Lantus vs. Lispro & Lantus to patients with uncontrolled diabetes who are already taking Lantus.

Mainland- Non-Profit Organizations

American Health Assistance Foundation $22,444
Beta Amyloid Regulation of Presynaptic Nicotinic Current
Robert Nichols Department of Cell and Molecular Biology
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.

Consortium for Ocean Leadership $42,498
IODP Expedition 321
Roy H Wilkens Hawaii Institute of Geophysics and Planetology
Study on research ship collecting seafloor samples along the equatorial Pacific Ocean for the purpose of climate history studies.
Gifts, Grants, and Contracts for May 2009

Research

Mainland- Non-Profit Organizations

NSABP Foundation Inc
PFED22A-HAW-01, Master Purchased Services Agreement
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
PFED22A-HAW-01, Master Purchased Services Agreement
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
Cleaning Waikoko Stream Discharge to Hanalei Coral Reefs
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
Sharing Discoveries in Cosmochemistry on the Internet
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
The NASA Infrared Telescope Facility: Mission Support and Solar System Observations
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
CIRS Proposal
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
Seasonality of Slope Streak Formation
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
Development of Next Generation Two-Dimensional Solid State Ion Detector (SCAPS)
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
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
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
International Collaboration in Chemistry: Redox Control of Chemical Bond Forming Reactions
David Vicic 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
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
AST 0909240 RUI: Star Formation
Marianne Takamiya Chancellor, University of Hawaii at Hilo-UHH

US Colleges and Universities

California State University, Northridge
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
Gifts, Grants, and Contracts for May 2009

Research

US Colleges and Universities

Case Western Reserve University
- **Metabolic Consequences of Thymidine Sparing Regimens**
  - Mariana Gerschenson, John A. Burns School of Medicine
  - Perform laboratory assays on samples submitted by Case Western.

University of California, Los Angeles
- **Subcontract from "CAREER: The Coordination of Leaf Hydraulics, Structure and Gas Exchange"**
  - 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.

University of California, Santa Barbara
- **Public Domain ADMB Project**
  - 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.

University of Central Florida
- **SEPPCoN, A Survey of the Ensemble Physical Properties of Cometary Nuclei**
  - Karen J. Meech, Institute for Astronomy
  - Acquire and analyze data from SEPPCoN datasets.

University of Michigan
- **Phonotactic Cues to Categorical Perception in First and Second Language Speakers**
  - 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.

University of Washington
- **Diabetes Prevention Outcomes Study in Hawaii**
  - 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.

Subcount: 83
Subtotal: $11,663,883
Gifts, Grants, and Contracts for May 2009

Non-Research

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept - Ctrs for Disease Cntrl & Prevention (CDC)  
NPCR Planning Grant - Pacific Regional Central Cancer Registry  
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.

Health & Human Svc, Dept - Natl Institutes of Health (NIH)  
Office of Research Development (EARDA)  
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.

Health & Human Svc, Dept - Natl Institutes of Health (NIH)  
Origins of Neuronal Patterning in Animal Development - NRSA Fellow M. Layden  
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.

Health & Human Svc, Dept/ACF - Adm on Devlpmntl Disabilities  
My Voice, My Choice  
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.

Health & Human Svc, Dept/NIH - Natl Inst of Mental Health  
NIMH Outreach Partnership Program  
Alexander M Wylie  
Social Science Research Institute  
To distribute information regarding individuals suffering from severe and persistent mental illness.

DOD-Department of Defense

Defense, Dept - Air Force Ofc of Scientific Rsch  
The Panoramic Survey Telescope and Rapid Response System (Pan-STARRS)  
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.

Defense, Dept - Office of Naval Research  
Advancing Curvature Adaptive Optics  
Christ Ftlaclas  
Institute for Astronomy  
Purchase of Cascade 128+ camera system and PR-1 Series 85 polishing machining.
Gifts, Grants, and Contracts for May 2009

Non-Research

DOD-Department of Defense

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

Acoustic Seagliders: Mobile Tomography Receivers for the ONR Philippine Sea Experiment
Bruce M Howe Department of Ocean and Resources Engineering
Three acoustic Seagliders will be acquired to support the ONR Philippine 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

Education, Dept - FED $194,766
Adapted Physical Education Training of U.S. Pacific Islanders Using a Teacher-Consultant Model (Project APERT)
Nathan M Murata Kinesiology and Leisure Science Department
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.

Education, Dept - FED $335,000
National Resource Center for East Asian Studies at the University of Hawaii - NRC
Robert N Huey Center for Japanese Studies
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.

Education, Dept - FED $83,830
Advanced Filipino Abroad Program
Ruth S Mabanglo Department of Indo-Pacific Languages and Literatures
Eight week advanced Filipino language immersion project in De La Salle University-Dasmarnas 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.

Education, Dept - FED $1,636,045
Renovations for Student Success in Developmental, Digital Media/STEM, and Business Education
Leon Richards Chancellor, Kapiolani Community College
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.

Education, Dept - FED $412,455
Redefining Student Services
Lui K Hokoana Chancellor, Windward Community College
Improving student progress and increasing retention through additional intervention and opportunities. Developing capacity for continuous course and program improvement.

Education, Dept - FED $67,115
Advanced Study of Khmer (ASK) - Summer Abroad Intensive Program in Cambodia
Chhany Sak-Humphry Department of Indo-Pacific Languages and Literatures
The intensive and immersion advanced study of Khmer language program in Cambodia.

Education, Dept - Ofc of Postsecondary Ed-FED $39,363
Improving Engagement and Retention Among Underprepared Students
Michael H Pecskok Chancellor, Leeward Community College
A grant to strengthen LCC’s capacity to serve underprepared students (with emphasis on Native Hawaiian populations) and expand assessment and institutional research.
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**

**Fisheries Observer Preparatory Training**

Cynthia L. Hunter  
Waikiki Aquarium

Conduct Fisheries Observer Preparatory Training for students provided by Alu Like, Inc.

---

**East West Center**

**United States Institute on the Environment, Hosted by East-West Center**

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**

**UHH Hawaiian Internship Program 2009**

Sharon Ziegler-Chong  
Pacific Aquaculture-UHH

Provide summer internships to Native Hawaiian students.

---

**Kamehameha Schools**

**Kamehameha Advanced Public Health Nursing Program**

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**

**2009 Summer Exploration Program**

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**

**Celebrate Reading - Maui**

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**

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

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

<table>
<thead>
<tr>
<th>Institution</th>
<th>Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Education, Dept - HI</strong></td>
<td>$13,600</td>
<td>Provision of Professional Development in Mathematics</td>
</tr>
<tr>
<td>Melfried Olson</td>
<td></td>
<td>Curriculum Research and Development Group</td>
</tr>
<tr>
<td>To provide professional development to utilize standards-based curriculum, instruction and assessment, and to increase teacher and student proficiency in mathematics.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hawaii Tourism Authority</strong></td>
<td>$22,770</td>
<td>On-Line Language and Cultural Training</td>
</tr>
<tr>
<td>Carol A Hoshiko</td>
<td></td>
<td>Chancellor, Kapiolani Community College</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hawaiian Affairs, Office of-HI</strong></td>
<td>$81,493</td>
<td>Program Evaluation, Office of Hawaiian Affairs</td>
</tr>
<tr>
<td>Hamilton I. McCubbin</td>
<td></td>
<td>School of Social Work</td>
</tr>
<tr>
<td>To provide program evaluation services for OHA sponsored projects.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hawaiian Affairs, Office of-HI</strong></td>
<td>$131,994</td>
<td>Program Evaluation, Office of Hawaiian Affairs</td>
</tr>
<tr>
<td>Hamilton I. McCubbin</td>
<td></td>
<td>School of Social Work</td>
</tr>
<tr>
<td>To provide program evaluation services for OHA sponsored projects.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hawaiian Affairs, Office of-HI</strong></td>
<td>$3,000</td>
<td>Evaluation of Native Hawaiian Historic Preservation Council</td>
</tr>
<tr>
<td>Hamilton I. McCubbin</td>
<td></td>
<td>School of Social Work</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hawaiian Affairs, Office of-HI</strong></td>
<td>$10,000</td>
<td>Evaluation of Kahikolu 'Ohana O Waianae</td>
</tr>
<tr>
<td>Hamilton I. McCubbin</td>
<td></td>
<td>School of Social Work</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Health, Dept - HI</strong></td>
<td>$327,220</td>
<td>Social Work Services</td>
</tr>
<tr>
<td>Jon K Matsuoka</td>
<td></td>
<td>School of Social Work</td>
</tr>
<tr>
<td>Provide social work services in conjunction with on-site training for social work students in adult mental health case management and psycho-social rehabilitation.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Human Services, Dept - HI</strong></td>
<td>$372,163</td>
<td>Bridge to Hope Student Support</td>
</tr>
<tr>
<td>Teresa J Bill</td>
<td></td>
<td>Vice Chancellor for Student Affairs</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Gifts, Grants, and Contracts for May 2009**

**Non-Research**

**Hawaii- Government Agencies**

Human Services, Dept - HI  
$489,292  
**Title IV-E: CFS-Distance Education FY07-08**  
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  
**Partnership to Increase the Quality of Hawaii’s Medicaid Services**  
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  
**DLNR Marine Law Fellowship**  
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  
**Hawaii Academy for Training on Sex Offender Management**  
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  
**Hawaii Academy for Training on Sex Offender Management**  
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  
**Deliver Special Medical Care Program in the Marshall Islands for the P.L. 99-239 Mandated Rongelap & Utirik Populations**  
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  
**FY '09 Waianae Coast Comprehensive Health Center (WCCHC) Health-Medical Assistant/Nurse Aide (NHEA)**  
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
Waianae Coast Comprehensive Health Center (WCCHC) Alu Like Health/Dental Assistant /Phlebotomy
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
Waianae Coast Comprehensive Health Center (WCCHC)/TANF Nurse Aide FY 09
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
43799 UH Hilo Visiting Artist Program
Wayne A Miyamoto Humanities-UHH
Present renowned visiting artists to students at UH Hilo

University of Hawaii Foundation $2,500
CCS Staff and Student Support
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
Kudo Chair of Law
Aviam Soifer William Richardson School of Law
Faculty Salary and Fringe Benefits for the Kudo Chair of Law.

University of Hawaii Foundation $3,000
Hi Chang Chai Excellence in Teaching Award
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
Law School Annual Fund
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

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

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

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

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)

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

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

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.

Subcount: 71
Count: 154
Subtotal: $20,618,091
Total: $32,281,974
Funds Received from UH Foundation for 05/01/2009 - 05/31/2009

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 $2,500
"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.

University of Hawaii Foundation $3,000
"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.

University of Hawaii Foundation $29,000
"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.

University of Hawaii Foundation $78,252
"Kudo Chair of Law"
Soifer, Aviam William Richardson School of Law
Faculty Salary and Fringe Benefits for the Kudo Chair of Law.

University of Hawaii Foundation $226,638
"Law School Annual Fund"
Soifer, Aviam William Richardson School of Law
Process payment for Law School UHF account with payroll and tax implications.

Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation $5,500
"Measure Up Castle"
Slovin, Hannah Curriculum Research and Development Group
Measure Up Castle

Count: 7 Total: $419,890
Extramural Research Awards
for the Month of
May 2009
Distribution by Sponsors

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA- Dept of Agriculture</td>
<td>1</td>
<td>$25,000</td>
<td>0.21%</td>
</tr>
<tr>
<td>DHHS- Dept of Health and Human Services</td>
<td>4</td>
<td>$718,256</td>
<td>6.16%</td>
</tr>
<tr>
<td>DOC- Dept of Commerce</td>
<td>3</td>
<td>$2,089,999</td>
<td>17.92%</td>
</tr>
<tr>
<td>DOD- Department of Defense</td>
<td>10</td>
<td>$2,374,871</td>
<td>20.36%</td>
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<tr>
<td>DOE- Dept of Energy</td>
<td>2</td>
<td>$1,167,167</td>
<td>10.01%</td>
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<tr>
<td>DOI- Dept of Interior</td>
<td>5</td>
<td>$343,393</td>
<td>2.94%</td>
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<tr>
<td>Foreign</td>
<td>1</td>
<td>$390,138</td>
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<tr>
<td>Hawaii- Business and Other</td>
<td>4</td>
<td>$294,806</td>
<td>2.53%</td>
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<tr>
<td>Hawaii- Government Agencies</td>
<td>11</td>
<td>$792,160</td>
<td>6.79%</td>
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<tr>
<td>Hawaii- Health Organizations</td>
<td>6</td>
<td>$299,842</td>
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<tr>
<td>Hawaii- Non-Profit Organizations</td>
<td>2</td>
<td>$18,000</td>
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<tr>
<td>Mainland- Business and Other</td>
<td>12</td>
<td>$567,357</td>
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<tr>
<td>Mainland- Non-Profit Organizations</td>
<td>5</td>
<td>$87,442</td>
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<tr>
<td>National Aeronautics and Space Administration</td>
<td>5</td>
<td>$1,657,602</td>
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<tr>
<td>National Science Foundation</td>
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<td>$623,097</td>
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<tr>
<td>US Colleges and Universities</td>
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<td>$214,753</td>
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<tr>
<td><strong>Total:</strong></td>
<td><strong>83</strong></td>
<td><strong>$11,663,883</strong></td>
<td><strong>100%</strong></td>
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Extramural Non-Research Awards
for the Month of
May 2009
Distribution by Sponsors

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<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>5</td>
<td>$691,060</td>
<td>3.35%</td>
</tr>
<tr>
<td>DOD-Department of Defense</td>
<td>4</td>
<td>$7,860,164</td>
<td>38.12%</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>14</td>
<td>$5,425,269</td>
<td>26.31%</td>
</tr>
<tr>
<td>Foreign</td>
<td>5</td>
<td>$195,793</td>
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</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>5</td>
<td>$340,563</td>
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<tr>
<td>Hawaii- Government Agencies</td>
<td>15</td>
<td>$2,004,092</td>
<td>9.72%</td>
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<tr>
<td>Hawaii- Health Organizations</td>
<td>4</td>
<td>$679,868</td>
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<tr>
<td>Hawaii- Non-Profit Organizations</td>
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</tr>
<tr>
<td>Mainland- Business and Other</td>
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<tr>
<td>Mainland- Non-Profit Organizations</td>
<td>3</td>
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<tr>
<td>National Aeronautics and Space Administration</td>
<td>1</td>
<td>$785,000</td>
<td>3.81%</td>
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<tr>
<td>National Science Foundation</td>
<td>4</td>
<td>$2,010,935</td>
<td>9.75%</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
<td>2</td>
<td>$27,757</td>
<td>0.13%</td>
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<tr>
<td><strong>Total:</strong></td>
<td><strong>71</strong></td>
<td><strong>$20,618,091</strong></td>
<td><strong>100%</strong></td>
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</table>
### Extramural Research Awards

**Year to Date: 07/01/08 - 05/31/09**  
**Distribution by Sponsors**

<table>
<thead>
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<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
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<tbody>
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<td>DA-Dept of Agriculture</td>
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<td>3.06%</td>
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<td>DOC-Dept of Commerce</td>
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<tr>
<td>DOD-Department of Defense</td>
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<td>DOE-Dept of Energy</td>
<td>18</td>
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<tr>
<td>DOI-Dept of Interior</td>
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**Total:**                                              | **1025**      | **$221,536,357** | **100%**
Extramural Non-Research Awards  
Year to Date: 07/01/08 - 05/31/09  
Distribution by Sponsors

<table>
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<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
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<td>DA-Dept of Agriculture</td>
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<td>DHHS-Dept of Health and Human Services</td>
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Total: 747 $145,051,921 100%