

## Gifts, Grants, and Contracts for January 2009

The following gifts, grants and contracts received by all campuses during the period January 1, 2009 through January 31, 2009 total \$16,921,864.

**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

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

National Institute of Allergy and Infectious Diseases/NIH/DHHS \$580,457

Global HIV Drug Therapies and Mitochondrial Complications and Mechanisms

Mariana Gerschenson John A. Burns School of Medicine

39 million people are living with HIV and when they are treated with drugs like d4T or ZDV this can cause side-effects like fat loss that we are trying to understand and prevent.

National Institutes of Health/DHHS \$183,952

Institute for Biogenesis Research: COBRE

William S Ward Dept Anatomy, Biochemistry, Physiology and Reproductive Biol

Develop the existing Institute for Biogenesis Research into a multi-disciplinary research center for reproductive biology research.

#### **DOC-Dept of Commerce**

National Oceanic & Atmospheric Administration/Department of Commerce \$13,200

Reducing Shark Bycatch with Electropositive Metals

Thomas A Schroeder Joint Institute for Marine and Atmospheric Research

To conduct experimental longline trials field-testing the effects of E+metals on the catch rates of sharks and other fish species.

National Oceanic & Atmospheric Administration/Department of Commerce \$41,788

Field & Household Assessment of Non-Commercial Fishing - Pohnpei

Kevin D Hopkins Pacific Aquaculture-UHH

Conduct surveys to determine the total amount of reef fish being extracted from Pohnpei's surrounding reef and lagoon by the non-commercial (subsistence) fishing sector and to document per capita consumption values

#### **DOD-Department of Defense**

DOD-U.S. Army Medical Research & Materiel Command \$65,816

ICU Multipoint Military Pacific Consultation Using Telehealth II (IMMPACT II)

Benjamin W Berg John A. Burns School of Medicine

Conduct research to evaluate the ability of a specialist physician located at Tripler Army Medical Center to provide team leadership for a team of doctors and nurses in Korea using a remote telemedicine system. The team in Korea practices on mannequin that simulates a medical crisis, and the specialist in Hawaii advises during the crisis simulation.

Department of the Air Force \$56,950

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.

Department of the Air Force \$47,500

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.

## Gifts, Grants, and Contracts for January 2009

### Research

#### DOD-Department of Defense

Department of the Air Force	\$25,300
<u>Operations and Management of the Maui High Performance Computing Center</u>	
David K Lassner	Information Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercoming Center.	
Department of the Air Force	\$34,092
<u>Operations and Management of the Maui High Performance Computing Center</u>	
David K Lassner	Information Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercoming Center.	
Department of the Air Force	\$83,550
<u>Operations and Management of the Maui Supercomputing Center</u>	
David K Lassner	Information Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.	
Office of Naval Research	\$250,000
<u>Ion Tiger UAV</u>	
Richard E Rocheleau	Hawaii Natural Energy Institute
Conduct research for the improvements of power sources for small military systems via material and systems development.	

#### DOE-Dept of Energy

Department of Energy	\$690,833
<u>Research in High Energy Physics: Technical Progress Report &amp; FY08 Budget Request</u>	
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.	
Department of Energy	\$100,000
<u>Hawaii Distributed Energy Resource Technologies for Energy Security - Phase 3</u>	
Richard E Rocheleau	Hawaii Natural Energy Institute
This phase of the project will assess the electric and transportation infrastructure for the islands of Oahu and Kauai, identify sites for electric microgrid studies, test and evaluate distributed generation and storage technologies, and address policy issues to accelerate implementation of renewable technologies.	

#### DOI-Dept of Interior

U.S. Fish & Wildlife Service/Department of the Interior	\$17,000
<u>Spit Islet Ant Project and Hawaiian Islands Offshore Islet Surveys</u>	
Kenneth Y Kaneshiro	Pacific Biosciences Research Center
Summary and analysis of 2001 ant eradication attempt on Spit Islet, Midway Atoll. Summary, analysis and creation of data source of Hawaii offshore islet arthropod survey findings and highlight islets with native arthropods.	

## Gifts, Grants, and Contracts for January 2009

### Research

#### DOI-Dept of Interior

U.S. Geological Survey/Department of the Interior \$15,000  
Hawaiian Vegetation Mapping Project: Digital Database  
 Sharon Ziegler-Chong Pacific Aquaculture-UHH  
 Enter plant data from approximately 4,000 additional stations sampled during the HFBS into the plant database

#### Foreign

Ludwig-Maximilians-University Munich \$243,000  
Procurement of Infrared Detector Arrays  
 Klaus W Hodapp Institute for Astronomy  
 UH offers to purchase focal plane arrays and application specific integrated circuits from Teledyne, obtain licenses, and store devices on behalf of sponsor, and in anticipation of subsequent contract to test devices, and develop an infrared camera for sponsor.

Trojan Technologies, Inc \$86,202  
Ultraviolet Radiation Technology Investigation  
 Victor D Moreland Water Resources Research Center  
 Provide assistance in testing protocols for various ultraviolet system components and full-scale systems testing and provide training materials to improve water and wastewater treatment knowledge to company personnel focusing on up-stream treatment processes that influence ultraviolet systems.

#### Hawaii- Business and Other

Sea Engineering, Inc \$160,400  
Real Time Monitoring and Establishment of an "Early Warning System" for the Sand Island Ocean Outfall Effluent Plume  
 Eugene R. Pawlak Department of Ocean and Resources Engineering  
 This project will make use of the Kilo Nalu Observatory array to collect and distribute ocean data in support of development of an early warning system to report when conditions exist that can lead to surfacing of the Sand Island ocean outfall plume.

#### Hawaii- Government Agencies

Hawaii-Dept of Land & Natural Resources \$29,976  
Growth and Reproduction of Hawaiian kala (naso unicornis)  
 Brian R Bowen Hawaii Institute of Marine Biology  
 The purpose of this study is to identify size at age, growth rates, longevity, and reproductive potential of Hawaiian unicorn fish (Naso unicornis).

Hawaii-Dept of Land & Natural Resources \$15,000  
Arthropod Prey Availability 2008-2009  
 Sharon Ziegler-Chong Pacific Aquaculture-UHH  
 Study the feeding ecology of the endangered 'akiapola'au (and possibly other associated species) in old growth and managed stands of koa to help natural resource managers and silviculturalists maintain high native bird diversity



## Gifts, Grants, and Contracts for January 2009

### Research

#### Hawaii- Health Organizations

patients on study, performs study data / specimens collection for submission to the Children's Oncology Group (COG). Other staff personnel prepares all regulatory paperwork required for the group between Cancer Center, institutional review board and COG.

Kuakini Medical Center \$22,922

Epidemiology of Aging and Dementia Autopsy Research

Jane H Uyehara-Lock Department of Pathology

To provide pathology services and analysis of autopsy results as part of the ongoing Honolulu Asia Aging Study. This award is a subcontract from Kuakini Medical Center to the University of Hawaii.

#### Hawaii- Non-Profit Organizations

HCF-Hawaii Community Foundation- General \$50,000

Regulation of Developmental Signaling Pathways by the Actin-severing Protein Fli I

Heinz Gert De Couet Department of Zoology

The project proposes to investigate in more detail the proposed involvement of the Fli-I gene in ERK signaling, and the molecular targets of regulation. The proposal focuses on known components of the MAPK signaling pathway and will involve the vinegar fly *Drosophila* as an established model system, as well as cell culture approaches to the problem.

University of Hawaii Foundation \$2,500

Landscape Research

Robert E Paull Department of Tropical Plant and Soil Sciences

Assist in landscape program outreach in developing educational materials.

University of Hawaii Foundation \$7,500

Real Time, Non-Invasive Lung Water Monitoring

Magdy F. Iskander Hawaii Center for Advanced Communications

To develop a fundamental understanding of the microwave method for measuring changes in lung water content by pursuing both the clinical/physiological and engineering advances of this technology which was originally developed by our group.

University of Hawaii Foundation \$598,425

DNA Barcoding of Endemic Hawaiian Species

Donald Price Biology-UHH

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

University of Hawaii Foundation \$35,000

Preserving Hawaii's Culturally Significant Native Plants

Christopher Dunn Lyon Arboretum

To preserve Hawaii's Culturally Significant Native Plants.



## Gifts, Grants, and Contracts for January 2009

### Research

#### National Aeronautics and Space Administration

National Aeronautics & Space Administration \$44,200

Regional Planetary Image Center

Bernard Ray Hawke

Hawaii Institute of Geophysics and Planetology

This is a proposal for the continued support of the Pacific Regional Image Facility at University of Hawaii campus in Honolulu.

National Aeronautics & Space Administration \$2,000,000

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 \$48,984

Recruiting Undergraduates to Space Science Through the Wonders of Cosmochemistry

G Jeffrey Taylor

Hawaii Institute of Geophysics and Planetology

We will create new course materials covering cosmochemistry and planetary science for geochemistry instructors to use in their upper-level undergraduate courses. The materials will include PowerPoint lecture slides and an online searchable database of graphics and illustrations pertinent to cosmochemistry.

#### National Science Foundation

National Science Foundation \$183,953

Dynamics and Moist Thermodynamics of Boreal Summer Intraseasonal Oscillation

Bin Wang

Department of Meteorology

This work investigate physical processes governing boreal summer intraseasonal variation of the tropical atmosphere.

National Science Foundation \$297,682

Rates, Sources and Magmagenesis of Alkalic Lavas at the Edge of an Intraplate Hotspot: A Multi-tracer Study of the Youngest Volcanics on Oahu, Hawaii

Kenneth H Rubin

Department of Geology and Geophysics

Geochemical studies of young volcanism on Oahu to understand how it happens.

National Science Foundation \$48,021

Collaborative Research: Towards a Quaternary Spatial and Temporal Deformation History at the Central Andean Thrust Front

Benjamin A Brooks

Hawaii Institute of Geophysics and Planetology

Further GPS deformation research in Argentina.

National Science Foundation \$196,606

VOCALS: Airborne Measurements of Aerosol Dynamics and Evolution

Antony D Clarke

Department of Oceanography

Understanding the role of aerosol properties in cloud and drizzle formation.

## Gifts, Grants, and Contracts for January 2009

### Research

#### National Science Foundation

National Science Foundation \$137,788

CAREER: High Fidelity Haptic Interaction using Large Range of Motion Magnetic Levitation Systems for Medical Applications

Peter John Berkelman Department of Mechanical Engineering

(1) Developing novel magnetic levitation with large ranges of motion, and fast and accurate position and force control, (2) developing interactive simulations with the maglev systems for surgical simulation and physical rehabilitation, (3) evaluating the realism and effectiveness of the interactive systems.

#### US Colleges and Universities

Oregon State University \$150,000

Customizing Biodiesel Derived from Tropical Trees

Richard Ogoshi Department of Tropical Plant and Soil Sciences

Collection of oil seeds from different tropical crops at different elevations and environments; extraction of oil; conversation of oil into biodiesel; and testing biodiesel emissions.

University of California, Berkeley \$169,260

Collaborative Research with the SuperNova Integral Field Spectrograph (SNIFS) and the University of Hawaii 2.2 Meter Telescope

Colin Aspin Institute for Astronomy

To continue collaboration with the Nearby Supernova Factory and the University of California in providing telescope time for the SNIFS instrument to conduct supernova studies.

University of California, San Diego \$169,999

Pacific Islands Land-Ocean Typhoon (PILOT) Experiment: Coastal Run-up and Fringing Reefs

Mark A Merrifield Department of Oceanography

Field observations of shoaling surface gravity waves, sea level, and nearshore currents over fringing reefs will be made to estimate the coastal-run that occurs during energetic, storm-generated wave events. The results will be compared to numerical models and used for emergency management purposes.

University of Washington \$30,748

The HOT Profiler: Supporting Activities at the University of Hawaii

Bruce M Howe Department of Ocean and Resources Engineering

For the NSF-funded HOT Profiler mooring project, Bruce Howe will assist APL-UW in mooring design, logistics associated with deploying and recovering the mooring system at Station ALOHA north of Oahu, and data analysis, interpretation and publication.

University of Washington \$5,948

The ALOHA-MARS Mooring: Supporting Activities at the University of Hawaii

Bruce M Howe Department of Ocean and Resources Engineering

Bruce Howe will continue as project PI after moving to UH. Tasks will include final work at Seahurst Observatory, engineering documentation of the system, a summary publication describing the system, the small mooring system being installed at the ALOHA Cabled Observatory (ACO), and the NSF project final report.

**Subcount:** 53

**Subtotal:** \$8,890,366



## Gifts, Grants, and Contracts for January 2009

### Non-Research

#### DA-Dept of Agriculture

Department of Agriculture \$300,000  
Strengthening Extension Network  
 Maria C. Haws Pacific Aquaculture-UHH

Forest Service/Department of Agriculture \$16,000  
Bringing Science and Management Together  
 Kenneth Y Kaneshiro Pacific Biosciences Research Center  
 Organize and carry out the annual Hawaii Conservation Conference. Organize, carry out, and publish the results of workshops on the highest priority topics to utilize research resources available to Hawaii most efficiently. Develop, carry out efficient communication of relevant research findings to the managers of Hawaii's natural resources.

#### DOC-Dept of Commerce

Department of Commerce \$45,000  
MOBY Shore Support at UH Marine Center  
 Brian Taylor School of Ocean and Earth Science and Technology  
 Provide outdoor storage area, utilities, & other support services to MOBY at the UH Marine Center.

Minority Business Development Agency/Department of Commerce \$118,825  
Honolulu Minority Business Enterprise Center  
 John F Morton Vice President for Community Colleges  
 The Minority Business Development Agency Award supports the Honolulu Minority Business Enterprise Center that will provide economic development and technical assistance work to minority business enterprises located in Hawaii.

#### DOI-Dept of Interior

DOI-Off of Insular Affairs \$126,050  
UH-PBCP AAPI Student Internship Program  
 John F Morton Vice President for Community Colleges  
 This grant will be used to continue to expand its student internship program to support PBCP's work in economic development, diversification, and infrastructure building in the American Affiliated Pacific Islands (AAPI).

DOI-Off of Insular Affairs \$151,314  
2008 DOI Island Fellowship Program  
 John F Morton Vice President for Community Colleges  
 The Pacific Business Center Program will provide technical and administrative assistance to the DOI in administering the 2008 DOI Island Fellowship Program.

## Gifts, Grants, and Contracts for January 2009

### Non-Research

#### Federal Agencies

National Endowment for the Arts/National Fndn. on the Arts & Humanities	\$12,500
<u>MANOA: A Pacific Journal of International Writing</u>	
R F Stewart	Department of English
Production of two issues of an international literary journal.	

#### Foreign

Ministry of Commerce and Trade	\$20,000
<u>PBCP-AAPI Support 2008-Palau</u>	
John F Morton	Vice President for Community Colleges
This award supports the economic development and technical assistance work of the Pacific Business Center Program under the University Center grant from the Economic Development Administration, US Department of Commerce.	
Niels Bohr Institute	\$9,000
<u>Guest Professor at the Niels Bohr Institute</u>	
Bo Reipurth	Institute for Astronomy
The Principal Investigator will spend four months as a guest professor at the Niels Bohr International Academy in order to do research and interact with faculty, including giving seminars and presentations.	

#### Hawaii- Business and Other

Hawaii Council for the Humanities	\$2,500
<u>Key Ingredients: America by Food Implementation</u>	
Douglas Dykstra	Chancellor, Hawaii Community College
Hawaii Community College will sponsor three ethnic luncheon/lectures and a film festival featuring three films moderated by film professors in support of a Smithsonian Museum Traveling Exhibit at the Lyman Museum in Hilo.	
Kamehameha Schools	\$90,000
<u>'Oiwi Ake Akamia: Native Hawaiian Doctoral Fellowship Program - Kamehameha Schools</u>	
Gary Kent Ostrander	Vice Chancellor for Research and Graduate Education
Provide funding to doctoral students for the completion of dissertations that further the University's commitment to Native Hawaiians and Native Hawaiian research.	
Kamehameha Schools	\$1,335,308
<u>Kahuawaiola - Kamehameha Schools</u>	
Keiki K Kawaiaea	Ka Haka'Ula O Ke'Elikolani-UHH
Prepare teachers to teach in Hawaiian language medium schools, Hawaiian language and culture in English medium schools	



## Gifts, Grants, and Contracts for January 2009

### Non-Research

#### Hawaii- Government Agencies

Hawaii-Dept of Education	\$30,000
<u>A Study of the Implementation and Outcomes of the Central Kauai Complex 21st Century Community Learning Centers in 2008-2009.</u>	
Terry Ann Higa	Curriculum Research and Development Group
The evaluators will develop a draft evaluation design and data-collection instruments for feedback from the project staff. These documents will be revised based on the feedback. The evaluators will provide copies of the data-collection instruments according to the evaluation design schedule, collect and analyze the data, and write the evaluation report.	
Hawaii-Dept of Education	\$2,598,830
<u>Felix Consent Decree Recruitment and Retention Personnel Plan</u>	
Christine Sorensen	College of Education
A recruitment and retention personnel plan designed to build a sustained in-state capacity to produce additional Special Education teachers eligible for initial teaching licensure each year by the College of Education, specifically and deliberately prepared for career employment in the Hawaii Public Schools. Also, mentor program is used to help with retention of teachers.	
Hawaii-Dept of Health	\$363
<u>HIV Care Services Training and Education</u>	
Cyril K Goshima	Department of Psychiatry
Provide HIV/AIDS training for AIDS Service Organization case managers in Hawaii.	
Hawaii-Dept of Health	\$58,000
<u>State of Hawaii Department of Health Family Health Services Division Maternal &amp; Child Health Grant Women's Health Section-Family Planning Program</u>	
Denise Cohen	Chancellor, Maui Community College
To provide subsidized family planning services for women and men, as well as additional training for staff with regards to family planning.	
Hawaii-Dept of Health	\$4,000
<u>Family Planning Services FY 09</u>	
Carolyn Lesnett	Vice Chancellor for Student Affairs-UHH
Provide family planning services/health services to the students at UH Hilo	
Hawaii-Dept of Labor & Industrial Relations	\$230,000
<u>Hawaii Family Support 360 Project</u>	
Rebecca S Ozaki	Center on Disability Studies
To address the issue of access to appropriate and available services within our community for transitioning students 16 years of age and older and their family members on the island of Oahu County of Honolulu, Windward District.	
Hawaii-Dept of Labor & Industrial Relations	\$233,365
<u>Training Services for the Employment and Training Fund Program (ETF)</u>	
Pamela Fujita-Starck	Outreach College
To provide workforce training to provide and/or enhance the occupational knowledge skills of incumbent workers and others eligible for ETF-funded training services.	





## Gifts, Grants, and Contracts for January 2009

### Non-Research

#### Hawaii- Government Agencies

Hawaii-State Foundation on Culture & the Arts	\$14,628
<u>World Performance Series - 2009</u>	
Timothy Roy Slaughter	Outreach College
Presentation of performances, workshops and outreach activities by touring artists.	
Hawaii-State Foundation on Culture & the Arts	\$6,298
<u>Intersections Visiting Artist and Scholar Program - 2009</u>	
Jaimey Hamilton	College of Arts and Humanities
Funding for a lecture and residency series of visiting artists and scholars.	

#### Hawaii- Health Organizations

Kalihi-Palama Health Center	\$15,866
<u>Reimbursement Agreement - FY2009, Agreement No. SF09-KPHC-OB-GYN</u>	
Lynnae K Millar	Department of Obstetrics, Gynecology, and Women's Health
Salary, Fringe Benefit & Malpractice reimbursement agreement to provide physician and physician related services for FY 2009.	
Kuakini Medical Center	\$999
<u>Salary Fringe Benefit &amp; Malpractice Insurance Agreement - FY2008, Agreement No. SF08-KUAKINI-SURG</u>	
Danny M Takanishi	Department of Surgery
Salary, Fringe Benefit & Malpractice reimbursement agreement to provided physician and physician related services for FY 2008.	
Kuakini Medical Center	\$236,761
<u>Reimbursement Agreement - FY2009, Agreement No. SF09-KUAKINI-MED</u>	
Elizabeth K Tam	Department of Medicine
Salary, Fringe Benefit & Malpractice reimbursement agreement to provide physician and physician related services for FY 2009.	
Maui PACE	\$37,500
<u>Service Contract Between Hale Makua/Maui Pace and Maui Oral Health Center.</u>	
Nancy K Johnson	Chancellor, Maui Community College
Provide dental services to the individuals enrolled in the Maui PACE community health care program on a fee for service basis using Medicaid fee schedule.	
Waianae Coast Comprehensive Health Center	\$59,163
<u>Waianae Health Academy--Ola Loa Ka Naauao</u>	
David A Ringuette	Chancellor, Windward Community College
Offer agriculture classes leading to a Certificate of Completion --Agricultural Technology at Waianae Coast Comprehensive Health Center.	

## Gifts, Grants, and Contracts for January 2009

### Non-Research

#### Hawaii- Non-Profit Organizations

<p>Institute for Native Pacific Education &amp; Culture  <u>Coordination of the Evaluation of SPARK-Hawaii Year 5</u>          Morris K Lai Curriculum Research and Development Group          Coordinate the evaluation of the project's fifth year. Work includes data collection, analysis, development of database programs, and evaluation report writing.</p>	<p>\$36,700</p>
<p>University of Hawaii Foundation  <u>Myron Pinky Thompson Chair</u>          Marjorie K H Mau Department of Native Hawaiian Health          To develop a research and training program on health disparities in Native Hawaiian and other underserved populations.</p>	<p>\$440,000</p>
<p>University of Hawaii Foundation  <u>Maunalua Bay Coastal and Watershed Coordinator</u>          Darren T Lerner Sea Grant College Program          This project will complement and expand upon the ongoing work by Malama Maunalua and its partners in restoring a healthy, sustainable, and resilient ecosystem in the bay and the watersheds that support it.</p>	<p>\$30,000</p>
<p>University of Hawaii Foundation  <u>GIS S&amp;F Agreement</u>          Patricia Blanchette Department of Geriatric Medicine          Salary and Fringe Benefit Expenses for Geriatric Inpatient Teaching Services.</p>	<p>\$18,152</p>
<p>University of Hawaii Foundation  <u>ADRC S&amp;F Agreement</u>          Patricia Blanchette Department of Geriatric Medicine          Salary and Fringe Benefit Expenses for Alzheimer's Disease Referral Clinic (ADRC) Services.</p>	<p>\$16,025</p>
<p>University of Hawaii Foundation  <u>Sumida River Production Project</u>          W Dennis Carroll Department of Theatre and Dance          To pay for hiring of student assistants to help with building of the set for the production of "Sumida River."</p>	<p>\$4,000</p>
<p>University of Hawaii Foundation  <u>International Longevity Center</u>          Cullen Hayashida Chancellor, Kapiolani Community College          Expand gerontology program by creating an entry level paraprof training.</p>	<p>\$11,000</p>

#### Mainland- Business and Other

<p>Pacific Radiation Oncology, Inc  <u>Reimbursement Agreement - FY2009, Agreement No. SF09-PRO-SURG</u>          Danny M Takanishi Department of Surgery          Salary, Fringe Benefit &amp; Malpractice reimbursement agreement to provide physician and physician related services for FY 2009.</p>	<p>\$41,535</p>
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## Gifts, Grants, and Contracts for January 2009

### Non-Research

#### Mainland- Non-Profit Organizations

Consortium for Oceanographic Rsrch & Educ (CORE) \$7,500

Hawaii Regional Ocean Sciences Bowl 2008

Tara Hicks Johnson School of Ocean and Earth Science and Technology  
Organize and host the 2008 Hawaii Regional Ocean Sciences Bowl in Honolulu.

Ocean Conservancy \$14,150

Larval Response to Forecast Climate Change

Ruth D Gates Hawaii Institute of Marine Biology  
This study will examine the effects of climate change (increased temperature and ocean acidification) on coral larvae.

#### National Science Foundation

National Science Foundation \$499,999

Roots, Resilience, and Reach: Strengthening the STEM Infrastructure at Kapiolani Community College, University of Hawaii

Leon Richards Chancellor, Kapiolani Community College  
To develop a Science, Technology, Engineering and Math (STEM) Pipeline of support services, faculty and curriculum development so that a growing number of Hawaiian and underrepresented students can successfully pursue STEM majors and careers.

#### US Colleges and Universities

Kansas State University \$75,000

Operation Military Kids

Claire M Nakatsuka College of Tropical Agriculture and Human Resources  
Supplemental funds specifically for camp activities for military families affected by deployment.

University of Rhode Island \$26,052

Pearl Farming in East Africa: an End to Poverty

Maria C. Haws Pacific Aquaculture-UHH  
Assist in the development of an ecological and economically sustainable small enterprise system for half-pearls in Tanzania

<b>Subcount:</b>	<b>61</b>		<b>Subtotal:</b>	<b>\$8,031,498</b>
<b>Count:</b>	<b><u>114</u></b>		<b>Total:</b>	<b><u>\$16,921,864</u></b>

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

### Non-Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$16,025
"ADRC S&F Agreement"	
Blanchette, Patricia	Department of Geriatric Medicine
Salary and Fringe Benefit Expenses for Alzheimer's Disease Referral Clinic (ADRC) Services.	
University of Hawaii Foundation	\$18,152
"GIS S&F Agreement"	
Blanchette, Patricia	Department of Geriatric Medicine
Salary and Fringe Benefit Expenses for Geriatric Inpatient Teaching Services.	
University of Hawaii Foundation	\$4,000
"Sumida River Production Project"	
Carroll, W Dennis	Department of Theatre and Dance
To pay for hiring of student assistants to help with building of the set for the production of "Sumida River."	
University of Hawaii Foundation	\$11,000
"International Longevity Center"	
Hayashida, Cullen	Chancellor, Kapiolani Community College
Expand gerontology program by creating an entry level paraprof training.	
University of Hawaii Foundation	\$30,000
"Maunaloa Bay Coastal and Watershed Coordinator"	
Lerner, Darren T	Sea Grant College Program
This project will complement and expand upon the ongoing work by Malama Maunaloa and its partners in restoring a healthy, sustainable, and resilient ecosystem in the bay and the watersheds that support it.	
University of Hawaii Foundation	\$440,000
"Myron Pinky Thompson Chair"	
Mau, Marjorie K H	Department of Native Hawaiian Health
To develop a research and training program on health disparities in Native Hawaiian and other underserved populations.	

### Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$35,000
"Preserving Hawaii's Culturally Significant Native Plants"	
Dunn, Christopher	Lyon Aboretum
To preserve Hawaii's Culturally Significant Native Plants.	
University of Hawaii Foundation	\$7,500
"Real Time, Non-Invasive Lung Water Monitoring"	
Iskander, Magdy F.	Hawaii Center for Advanced Communications
To develop a fundamental understanding of the microwave method for measuring changes in lung water content by pursuing both the clinical/physiological and engineering advances of this technology which was originally developed by our group.	

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

### Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$2,500
"Landscape Research"	

Paull, Robert E	Department of Tropical Plant and Soil Sciences	
Assist in landscape program outreach in developing educational materials.		

University of Hawaii Foundation	\$598,425
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"DNA Barcoding of Endemic Hawaiian Species"

Price, Donald	Biology-UHH
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Validity of DNA barcoding of recently derived species is understood based on the testing of endemic species in the Hawaiian archipelago and especially the young Hawaii Island

**Count:**     10

**Total:**         \$1,162,602

**Extramural Research Awards  
for the Month of  
January 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	2	\$764,409	8.60%
DOC-Dept of Commerce	2	\$54,988	0.62%
DOD-Department of Defense	7	\$563,208	6.34%
DOE-Dept of Energy	2	\$790,833	8.90%
DOI-Dept of Interior	2	\$32,000	0.36%
Foreign	2	\$329,202	3.70%
Hawaii- Business and Other	1	\$160,400	1.80%
Hawaii- Government Agencies	8	\$1,256,220	14.13%
Hawaii- Health Organizations	2	\$349,824	3.93%
Hawaii- Non-Profit Organizations	5	\$693,425	7.80%
Mainland- Business and Other	5	\$310,672	3.49%
Mainland- Health Organizations	1	\$84,000	0.94%
Mainland- Non-Profit Organizations	1	\$17,996	0.20%
National Aeronautics and Space Administration	3	\$2,093,184	23.54%
National Science Foundation	5	\$864,050	9.72%
US Colleges and Universities	5	\$525,955	5.92%
<b>Total:</b>	<b><u>53</u></b>	<b><u>\$8,890,366</u></b>	<b><u>100%</u></b>

**Extramural Non-Research Awards  
for the Month of  
January 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	2	\$316,000	3.93%
DOC-Dept of Commerce	2	\$163,825	2.04%
DOI-Dept of Interior	2	\$277,364	3.45%
Federal Agencies	1	\$12,500	0.16%
Foreign	2	\$29,000	0.36%
Hawaii- Business and Other	3	\$1,427,808	17.78%
Hawaii- Government Agencies	31	\$4,234,599	52.72%
Hawaii- Health Organizations	5	\$350,289	4.36%
Hawaii- Non-Profit Organizations	7	\$555,877	6.92%
Mainland- Business and Other	1	\$41,535	0.52%
Mainland- Non-Profit Organizations	2	\$21,650	0.27%
National Science Foundation	1	\$499,999	6.23%
US Colleges and Universities	2	\$101,052	1.26%
<b>Total:</b>	<b><u>61</u></b>	<b><u>\$8,031,498</u></b>	<b><u>100%</u></b>

**Extramural Research Awards  
Year to Date: 07/01/08 - 01/31/09  
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	61	\$6,798,696	3.98%
DHHS-Dept of Health and Human Services	65	\$40,018,966	23.41%
DOC-Dept of Commerce	49	\$19,507,047	11.41%
DOD-Department of Defense	49	\$28,387,762	16.61%
DOE-Dept of Energy	13	\$6,490,249	3.80%
DOI-Dept of Interior	27	\$2,426,970	1.42%
Federal Agencies	5	\$2,431,879	1.42%
Foreign	12	\$3,371,585	1.97%
Hawaii- Business and Other	23	\$3,352,429	1.96%
Hawaii- Government Agencies	103	\$14,753,050	8.63%
Hawaii- Health Organizations	12	\$827,164	0.48%
Hawaii- Non-Profit Organizations	39	\$2,177,871	1.27%
Mainland- Business and Other	61	\$9,360,364	5.48%
Mainland- Health Organizations	8	\$472,578	0.28%
Mainland- Non-Profit Organizations	14	\$1,020,028	0.60%
Miscellaneous	2	\$102,891	0.06%
National Aeronautics and Space Administration	46	\$7,125,298	4.17%
National Science Foundation	69	\$18,478,240	10.81%
US Colleges and Universities	43	\$3,844,096	2.25%
<b>Total:</b>	<b><u>701</u></b>	<b><u>\$170,947,163</u></b>	<b><u>100%</u></b>

**Extramural Non-Research Awards**  
**Year to Date: 07/01/08 - 01/31/09**  
**Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	16	\$4,237,277	4.16%
DHHS-Dept of Health and Human Services	27	\$8,067,030	7.92%
DOC-Dept of Commerce	11	\$1,502,530	1.47%
DOD-Department of Defense	12	\$2,912,734	2.86%
DOI-Dept of Interior	29	\$1,746,864	1.71%
ED-Dept of Education	68	\$27,744,169	27.23%
Federal Agencies	18	\$4,811,507	4.72%
Foreign	13	\$2,782,730	2.73%
Hawaii- Business and Other	40	\$6,419,399	6.30%
Hawaii- Government Agencies	122	\$21,048,135	20.65%
Hawaii- Health Organizations	30	\$6,521,081	6.40%
Hawaii- Non-Profit Organizations	58	\$3,348,625	3.29%
Mainland- Business and Other	8	\$517,307	0.51%
Mainland- Health Organizations	2	\$12,000	0.01%
Mainland- Non-Profit Organizations	14	\$372,478	0.37%
Miscellaneous	2	\$4,800	0.00%
National Aeronautics and Space Administration	5	\$2,005,005	1.97%
National Science Foundation	11	\$5,439,723	5.34%
US Colleges and Universities	23	\$2,411,475	2.37%
<b>Total:</b>	<b><u>509</u></b>	<b><u>\$101,904,869</u></b>	<b><u>100%</u></b>