Gifts, Grants, and Contracts for September 2008

The following gifts, grants and contracts received by all campuses during the period September 1, 2008 through September 30, 2008 total $52,607,662.

This report is also available for viewing at: http://www.hawaii.edu/ors/Board_Reports.htm

Research

DA-Dept of Agriculture

Cooperative State Research, Education, & Extension Service/Department of Agriculture $151,863

Agriculture Diversification: Hawaii Tropical Specialty Fruit Research and Development - 2008
Douglas L Vincent College of Tropical Agriculture and Human Resources

The overall grant objective is to provide scientific and outreach support services that enable Hawaii entrepreneurs to increase their revenues or profits from growing and selling tropical specialty fruits from Hawaii.

Cooperative State Research, Education, & Extension Service/Department of Agriculture $475,000

Design and Evaluation of Precision Vegetative Buffer Strips as Sustainable Conservation Management Practice to Control Non-Point Source Pollution in Hawaii
Ali Fares Department of Natural Resources and Environmental Management

The project aims to evaluate the effectiveness of vegetative buffer strips, as soil conservation and pollution prevention technique, in Hawaii environment and optimize their configuration for use in local conditions. Educational and extension part of the project will increase awareness of stakeholders about environmental problems.

Cooperative State Research, Education, & Extension Service/Department of Agriculture $375,000

Quantifying Transgene Flow in Papaya
Richard M Manshardt Department of Tropical Plant and Soil Sciences

Project will determine the relative importance of seeds and pollen in dispersing genes from commercial fields of genetically engineered papayas into surrounding areas. We will also examine how plant sex influences gene movement, and how movement of a genetically engineered gene for resistance to virus disease affects survival of plants outside commercial fields.

DA-Natural Resources Conservation Service (NRCS) $22,440

Weed Control in Hydro Planted Native Hawaiian Plants with Stakeholder Outreach
Joseph DeFrank Department of Tropical Plant and Soil Sciences

The object of this proposal is to identify safe and effective herbicides and describe their use in hydro planting of seeded Mau Aki Aki and embedded in the hydromulch cap used for Aki aki plantings.

DA-Sustainable Agriculture Research & Education $46,125

Sunn hemp and its Allelopathic Compounds for Vegetable Production in Hawaii and Beyond
Koon-Hui Wang Department of Plant and Environmental Protection Sciences

Improve and promote the use of the sunn hemp as a cover crop through the understanding of its toxic compounds for sustainable pest management.

Department of Agriculture $189,104

Development of Virus Resistant Plants
Michael H Shintaku College of Agriculture, Forestry-UHH

Department of Agriculture $63,323

Protecting Papaya from Pests and Diseases
Douglas L Vincent College of Tropical Agriculture and Human Resources

Develop and evaluate non-toxic, preferably biologically-based, environmentally suitable technologies and processes for pest and disease control on papaya.
Gifts, Grants, and Contracts for September 2008

Research

DA-Dept of Agriculture

Department of Agriculture
Support of Ag Research of Mutual Interest 2008-2
Norman Stahl Vice Chancellor for Student Affairs-UHH

Department of Agriculture
Support of Ag Research of Mutual Interest 2009
Norman Stahl Vice Chancellor for Student Affairs-UHH

Department of Agriculture
Support of Ag Research of Mutual Interest 2008
Norman Stahl Vice Chancellor for Student Affairs-UHH

Department of Agriculture
Prevention and Control of Invasive Termite Species in Hawaii and the American Pacific
Jack Kenneth Grace Department of Plant and Environmental Protection Sciences
Monitor the distribution of invasive termites, assess and improve termite prevention and control techniques, and investigate termite behavioral ecology with respect to control methodology.

Department of Agriculture
Hawaii Pineapple Improvement
Douglas L Vincent College of Tropical Agriculture and Human Resources
Utilize traditional breeding techniques and genetic engineering to develop horticulturally acceptable cultivars resistant to major disease, insects and nematodes of Hawaii's pineapple.

Department of Agriculture
Environmental Effects of Tephritid Fruit Fly Eradication and Control
Douglas L Vincent College of Tropical Agriculture and Human Resources
Develop and evaluate non-toxic, environmentally suitable and publicly acceptable technologies and processes for fruit fly, insect pest mgt., and control to enhance Hawaii's competition in Hawaii agricultural products.

Department of Agriculture
Minor Crops Pest and Disease Control
Douglas L Vincent College of Tropical Agriculture and Human Resources
Crop pests and diseases are critical limiting factors in the production of minor crops in Hawaii. Continued production of minor crops is dependent on the development of alternative technologies to control pests and diseases.

Department of Agriculture
Minor Crops Pest and Disease Control
Douglas L Vincent College of Tropical Agriculture and Human Resources
Crop pests and diseases are critical limiting factors in the production of minor crops in Hawaii. Continued production of minor crops is dependent on the development of alternative technologies to control pests and diseases.
Gifts, Grants, and Contracts for September 2008

Research

DA-Dept of Agriculture

Forest Service/Department of Agriculture $60,254
The Potential for Restoration to Break the Grass/Fire Cycle in Dryland Ecosystems in Hawaii: Using Remotely Sensed Data to Guide and Understand Restoration of Dry Forest Ecosystem Process
Creighton Litton Department of Natural Resources and Environmental Management
1) Define the current condition & historical changes to tropical dry forest ecosystems in Hawaii, 2) develop technology for regional restoration planning & ecosystem monitoring, 3) quantify restoration potential & develop restoration prescriptions for remnant Hawaiian dry forests & shrublands, & 4) develop effective fuel and fire risk reduction measures.

Forest Service/Department of Agriculture $9,995
Ecosystem Services in the Face of Global Climate Change
C H Fletcher Department of Geology and Geophysics
Collaborate with the U.S. Forestry Service on Pacific Island assessment and Ecosystems Services Short Course to accomplish mutual objectives of highlighting problems and solutions of coastal area management and adaptation in the face of global climate change.

DHHS-Dept of Health and Human Services

Centers for Disease Control and Prevention/DHHS $95,000
Program to Assess Health Effects Associated with Exposures to Volcanic Emissions and Environmental Air Pollutants
Elizabeth K Tam Department of Medicine
Extend a community-based participatory research network to study the respiratory effects of volcanic air pollution in Hawaii Island schoolchildren.

National Cancer Institute/NIH/DHHS $77,504
Role of Polyamines in MYCN-Amplified Neuroblastoma
Andre S. Bachmann Cancer Research Center
(none listed).

National Cancer Institute/NIH/DHHS $1,440,371
Cancer Research Center of Hawaii
Carl-Wilhelm Vogel Cancer Research Center
Cancer Research Center of Hawaii support grant.

National Cancer Institute/NIH/DHHS $100,000
Hawaii Minority-Based Clinical Community Oncology Program (#63844) (Administrative Supplement)
Jonathan Cho Cancer Research Center
If this supplemental funding is awarded, an additional clinical research associate will be hired to serve the neighbor islands of Hawaii, Maui and Kauai for oncology clinical trial screening and enrollment, trial treatment coordination with clinics and physicians, data management, and community outreach programs.

National Cancer Institute/NIH/DHHS $1,643,478
Whole Genome Scan for Modifier Genes in Colorectal Cancer
Loic Le Marchand Cancer Research Center
To conduct a whole-genome association study of colorectal cancer in the Multiethnic study in order to identify susceptibility genes for this cancer.
Gifts, Grants, and Contracts for September 2008

Research

DHHS-Dept of Health and Human Services

National Center for Research Resources/NIH/DHHS

Research Outcomes Accelerating Discoveries for Medical Applications and Practice

Gary Kent Ostrander John A. Burns School of Medicine

The RCMI Program aims to further develop research excellence in biomedicine and health by fostering translational research linking basic science and clinical medicine. Research activities include biomedical imaging and bioengineering, bioactive nutrients, tropical infectious diseases detection and prevention and expanded biostatistics and computer core support services.

National Center on Minority Health and Health Disparities/NIH/DHHS

Partnerships for Cardiometabolic Disparities in Native and Pacific Peoples

Marjorie K H Mau Department of Native Hawaiian Health

Additional requested funds.

National Institutes of Health/DHHS

Early Brain Development After Prenatal "Ice" Exposure: A Longitudinal MR Study

Linda Chang John A. Burns School of Medicine

To assess changes in brain structure and brain metabolite concentrations in young children who were exposed to METH in utero, and to follow these changes until age 7. To evaluate neuropsychological performance in these children on a yearly basis over the same time period. To evaluate how structural and chemical brain abnormalities are related to cognitive development.

National Institutes of Health/DHHS

Ethnic/Racial Minorities in the Colon CFR

Loic Le Marchand Cancer Research Center

To collect data, blood & tissue to determine genetic risk factors for colorectal cancer.

National Institutes of Health/DHHS

Pathogenesis of Mesothelioma

Michele Carbone Cancer Research Center

To identify those factors that may cause certain individuals to be more susceptible to asbestos and erionite carcinogenesis and to develop malignant mesothelioma.

National Institutes of Health/DHHS

Peripheral Reservoir of HIV DNA in Monocytes Pivotal to Cognition in HIV

Victor George Valcour John A. Burns School of Medicine

This proposal will study whether high levels of HIV-infected monocytes that persist in HIV-infected individuals who receive good antiretroviral therapy against HIV explain why dementia does not completely resolve following such therapy. Understanding why this happens will allow us to find better ways to prevent or treat this devastating complication of HIV.

National Institutes of Health/DHHS

Development of Molecular Adjuvants for Therapeutic HIV-1 Vaccines

Qigui Yu Department of Medicine

To determine whether a heterologous DNA prime-ALVAC boost vaccine approach with the addition of CD40 ligand as a molecular adjuvant in both the prime and boost phases of vaccination can improve HIV-1-specific cellular and humoral immune responses to HIV vaccine immunization in the absence of CD4 T cell-depleted mouse model.
Gifts, Grants, and Contracts for September 2008

Research

DHHS-Dept of Health and Human Services

National Institutes of Health/DHHS
Oral Infection in the Pathogenesis of Gestational Diabetes
Lynnae K Millar Department of Obstetrics, Gynecology, and Women's Health
There are two primary goals of our research: The first goal is to develop the infrastructure and support necessary to run a longitudinal study of oral health during pregnancy. The second goal is to elucidate the association between periodontal disease, IGF1 (insulin-like growth factor 1), IGF2 and glycemic control in pregnant women of Asian of Pacific Islander ethnicity.

National Institutes of Health/DHHS
Supplements fo caBIG™ Technology Assessment and Implementation Planning
Carl-Wilhelm Vogel Cancer Research Center
Assess current informatics systems at CRCH and develop an implementation plan for adopting in the three caBIG™ software bundles.

National Institutes of Health/DHHS
Heart Failure Disparities in Native Hawaiians
Marjorie K H Mau Department of Native Hawaiian Health
This study is a 5-year project to develop and establish a Partnership Program addressing heart failure disparities among Native Hawaiians and Pacific Peoples by conducting hypothesis driven research and training investigators and researchers in the field of cardiovascular disease.

DOC-Dept of Commerce

DOC-Nat'l Marine Fisheries Service
FISHERIES OCEANOGRAPHY: Protected Species Research Program
Thomas A Schroeder Joint Institute for Marine and Atmosperic Research
To conduct research on Pacific Islands area protected species populations, their ecology, and relationships to environmental and oceanographic parameters.

DOC-Nat'l Marine Fisheries Service
Sustaining Healthy Coastal Ecosystems - JIMAR Coastal Research Program
Thomas A Schroeder Joint Institute for Marine and Atmosperic Research
This project will support multi-disciplinary efforts to assess, monitor, map restore, and protect coral reef ecosystems of the U.S.-affiliated Pacific Islands.

DOC-Nat'l Marine Fisheries Service
Coral Reef Management Initiative
Thomas A Schroeder Joint Institute for Marine and Atmosperic Research
To establish an enhanced coral reef management presence in the Pacific and foster opportunities for cooperative research with the University of Hawaii.

DOC-Nat'l Marine Fisheries Service
Marine Resource Dynamics Assessment Program (MARDAP): Economics of Fisheries Initiative
Thomas A Schroeder Joint Institute for Marine and Atmosperic Research
To support ongoing economic data collection programs and assess changes in key economic indicators in fisheries and other living marine resource utilizations in Hawaii and other Pacific Islands Area including American Samoa, Guam, and the Commonwealth of the Northern Mariana Islands (CNMI).
Gifts, Grants, and Contracts for September 2008

Research

DOC-Dept of Commerce

DOC-Nat'l Marine Fisheries Service

FISHERIES OCEANOGRAPHY: Marine Turtle Research Program
Thomas A Schroeder Joint Institute for Marine and Atmospheric Research
To conduct critical research on sea turtle biology and ecology, and foundation activities including training of Pacific islanders and information exchange, fishery observer training, fishery interaction data collection, collection of field data (e.g. growth rates, survival, movements), and long-term monitoring for population trends.

DOC-Nat'l Marine Fisheries Service $260,000

Satellite Remote Sensing Research Related to the West Coast Integrated Observing System (IOOS)
Thomas A Schroeder Joint Institute for Marine and Atmospheric Research
Provide University of Hawaii researchers access to an expanded suite of satellite oceanographic data assembled by NOAA for use in physical, biological, and fisheries oceanography research and for developing satellite-derived ocean data research.

DOC-Nat'l Marine Fisheries Service $140,000

National Oceanic & Atmospheric Administration/Department of Commerce $141,900

Joint Institute for Marine and Atmospheric Research (JIMAR) - Task 1
Thomas A Schroeder Joint Institute for Marine and Atmospheric Research
To support administration and visiting scientists program activities.

National Oceanic & Atmospheric Administration/Department of Commerce $196,696

Quantifying Air-Sea Gas Exchange at High Wind Speeds Using a Dual Gas Tracer (3He/SF6) Technique during the Southern Ocean Gas Exchange Experiment
David Ho Department of Oceanography
Air-sea gas transfer velocities will be quantified during the Southern Ocean Gas Exchange Experiment.

National Oceanic & Atmospheric Administration/Department of Commerce $250,000

Hawaii Coral Reef Initiative Research Program Phase 11
Michael P Hamnett Social Science Research Institute
HCRI-RP proposes to sponsor research and monitoring of the state's coastal reefs that examine linkages between human activity and damage to the reef ecosystem. This will provide resource managers with information on the most effective and efficient ways to prevent and possible reverse the degradation of coral reefs. We will also conduct outreach about Hawaii's coral reefs.

National Oceanic & Atmospheric Administration/Department of Commerce $246,727

Pacific ENSO Application Center (PEAC)
Thomas A Schroeder Joint Institute for Marine and Atmospheric Research
Conduct research on experimental climate prediction and impacts of interannual climate variability on the economies, cultures and public health of the U.S. -affiliated Pacific Islands.

National Oceanic & Atmospheric Administration/Department of Commerce $919,511

Pelagic Fisheries Research Program
John R Sibert Joint Institute for Marine and Atmospheric Research
These funds will cover various types of pelagic fisheries research projects to be conducted at various locations. Therefore specific indirect cost rates, locations, certifications and attachments are not addressed here but will be addressed at the time each proposal is submitted.
## Gifts, Grants, and Contracts for September 2008

### Research

**DOC-Dept of Commerce**

<table>
<thead>
<tr>
<th>Organization</th>
<th>Budget</th>
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</thead>
<tbody>
<tr>
<td>National Oceanic &amp; Atmospheric Administration/Department of Commerce</td>
<td>$285,000</td>
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<tr>
<td><strong>Marine Resource Dynamics Assessment Program (MARDAP): Stock Assessment Research Program</strong></td>
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<tr>
<td>Thomas A Schroeder, Joint Institute for Marine and Atmospheric Research</td>
<td></td>
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<tr>
<td>To assess (1) the status of billfish, tuna, coastal pelagic species, bottomfish, coral reef fish and lobster stocks in the Western &amp; Central Pacific Ocean, (2) impacts of fishing on these stocks.</td>
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<tr>
<td>National Oceanic &amp; Atmospheric Administration/Department of Commerce</td>
<td>$115,473</td>
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<tr>
<td><strong>Development of an Extended and Long-range Precipitation Prediction System over the Pacific Islands</strong></td>
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<tr>
<td>H Annamalai, Joint Institute for Marine and Atmospheric Research</td>
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<tr>
<td>To develop and transition a dynamical precipitation prediction system for the U.S. Affiliated Pacific Islands.</td>
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<tr>
<td>National Oceanic &amp; Atmospheric Administration/Department of Commerce</td>
<td>$109,492</td>
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<tr>
<td><strong>Toward Reducing Climate Model Biases in the Equatorial Atlantic and Adjacent Continents</strong></td>
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<tr>
<td>Shang-Ping Xie, Joint Institute for Marine and Atmospheric Research</td>
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<tr>
<td>To perform diagnostic and modeling studies to identify the source of climate model errors over the tropical Atlantic.</td>
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<tr>
<td>National Oceanic &amp; Atmospheric Administration/Department of Commerce</td>
<td>$58,055</td>
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<tr>
<td><strong>The Effects of the Stratospheric Quasi-Biennial Oscillation on Seasonal Predictability of Tropospheric Circulation in the Northern Hemisphere</strong></td>
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<tr>
<td>Kevin P Hamilton, Joint Institute for Marine and Atmospheric Research</td>
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<tr>
<td>A project to perform computer calculations and to analyze the results in order to improve weather forecasts for periods of up to several months.</td>
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<tr>
<td>National Oceanic &amp; Atmospheric Administration/Department of Commerce</td>
<td>$163,348</td>
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<tr>
<td><strong>Profiling CTD Float Array Implementation and Ocean Climate Research</strong></td>
<td></td>
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<tr>
<td>Thomas A Schroeder, Joint Institute for Marine and Atmospheric Research</td>
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<tr>
<td>1) to support the profiling CTD floats through testing, deployment, and management of a subset of these floats; 2) To perform scientific analysis including estimates of ocean heat variability using the float and other data.</td>
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<tr>
<td>National Oceanic &amp; Atmospheric Administration/Department of Commerce</td>
<td>$127,085</td>
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<tr>
<td><strong>National Weather Service, Pacific Region - In Lieu of Rent Payments</strong></td>
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<tr>
<td>Thomas A Schroeder, Joint Institute for Marine and Atmospheric Research</td>
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<tr>
<td>Funds will be used to support students and infrastructure within the departments of Meteorology, Oceanography (marine applications) and Geology &amp; Geophysics (hydrology).</td>
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<tr>
<td>National Oceanic &amp; Atmospheric Administration/Department of Commerce</td>
<td>$1,070,999</td>
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<tr>
<td><strong>The University of Hawaii Sea Level Center</strong></td>
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<tr>
<td>Mark A Merrifield, Joint Institute for Marine and Atmospheric Research</td>
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<tr>
<td>The University of Hawaii Sea Level (UHSLC) collects, processes, analyzes, and distributes tide gauge data from around the world in support of climate and oceanographic research.</td>
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<tr>
<td>National Oceanic &amp; Atmospheric Administration/Department of Commerce</td>
<td>$311,500</td>
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<tr>
<td>Thomas A Schroeder, Joint Institute for Marine and Atmospheric Research</td>
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<tr>
<td>A data set will be assembled that will include the atmospheric measurements currently being conducted at Mauna Loa Observatory and the mercury measurements.</td>
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</tbody>
</table>
Gifts, Grants, and Contracts for September 2008

Research

DOC-Dept of Commerce

National Oceanic & Atmospheric Administration/Department of Commerce $246,400

**WHOTS-5 Cruise Plan: WHOI Hawaii Ocean Timeseries Station, Fifth Setting**

Thomas A Schroeder Joint Institute for Marine and Atmospheric Research

Mooring operations to provide long-term, high quality air-sea fluxes and upper ocean temperature, salinity and velocity as a coordinated part of the Hawaii Ocean Timeseries (HOT) program, and contribute to the goals of observing heat, fresh water and chemical fluxes at a site representative of the oligotrophic North Pacific Ocean.

National Oceanic & Atmospheric Administration/Department of Commerce $282,000

**Western Pacific Fishery Information Network Project**

Thomas A Schroeder Joint Institute for Marine and Atmospheric Research

Provide technical and operational support to members of the participating agencies to provide best-available fisheries data to scientists, researches, and managers within the Joint Institute for Marine and Atmospheric Research (JIMAR), University of Hawaii (UH), National Marine Fisheries Service (NMFS), and the Western Pacific Regional Fisheries Management Council.

National Oceanic & Atmospheric Administration/Department of Commerce $1,218,000

**Enhancement of Data and Research Activities for Climate Studies at the International Pacific Research Center (IPRC)**

Kevin P Hamilton Joint Institute for Marine and Atmospheric Research

The project enhances the activities at the Asia-Pacific Data-Research Center (APDRC) within the International Pacific Research Center (IPRC) at the University of Hawaii. Activities include web-based access to a board range of ocean, atmosphere, and air sea flux and products for climate studies.

National Oceanic & Atmospheric Administration/Department of Commerce $91,721

**Changes in the Tropical Pacific Climate Variability During the Last Millennium: External Forcing Versus Internal Variability**

Axel Timmermann Joint Institute for Marine and Atmospheric Research

The sensitivity of the El Nino-Southern Oscillation to external climate forcing during the last 1,000 years will be studied using climate models as well paleo-climate reconstructions.

DOD-Department of Defense

Department of the Army $826,000

**Cultural Resources Actions in Support of Stryker Brigade at Oahu Military Reservations except Makua, Island of Oahu**

David C Duffy Department of Botany

Support the Army's ecosystem management program's efforts to conserve, protect, and enhance the cultural resources on military reservations on Oahu (except Makua) by surveying, recording, and reporting on significant archeological sites.

Department of the Army $250,000

**Court Ordered Cultural Resources Actions at Makua Military Reservation, Island of Oahu**

David C Duffy Department of Botany

Support the Army's ecosystem management program's efforts to conserve, protect, and enhance the cultural resources on Makua Military Reservation on Oahu by surveying, recording, and reporting on significant archeological sites.
Gifts, Grants, and Contracts for September 2008

Research

DOD-Department of Defense

Department of the Army

Cultural Resources Actions in Support of Stryker Brigade at Pohakuloa Training Area, Island of Hawaii

David C Duffy

Department of Botany

Support the Army's ecosystem management program's efforts to conserve, protect, and enhance the cultural resources at the Pohakuloa Training Area by surveying, recording, and reporting on significant archeological sites.

Department of the Navy

Marine Mammals: Hearing and Echolocation at Coconut Island

Paul E Nachtigall

Hawaii Institute of Marine Biology

Examine the hearing of marine mammals using the auditory evoked potential procedure in which hearing is measured by looking at the brain wave patterns in response to sound.

DOE-Dept of Energy

High Precision Timing, Integrated Photodetector Readout

Gary S Varner

Department of Physics and Astronomy

Low, cost, high performance integrated circuit readout for photodetectors.

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.

Development of High Yield, Tropical Feedstocks for Bioenergy

Andrew G Hashimoto

College of Tropical Agriculture and Human Resources

Investigate the use of tropical grasses for conversion into liquid transportation fuels.

Synthesis of New Diamond-Like B-C Phases Under High Pressures and Temperatures

Li-Chung Ming

Hawaii Institute of Geophysics and Planetology

Create a new diamond-like material using only Boron and Carbon.

DOI-Dept of Interior

National Park Service/Department of the Interior

Developing and Evaluating Techniques for Controlling Invasive Plants

David C Duffy

Department of Botany

Develop and evaluate weed control methods for efficacy in use on rare native habitat in Haleakala National Park.
Gifts, Grants, and Contracts for September 2008

Research

**DOI-Dept of Interior**

National Park Service/Department of the Interior

**Climate Monitoring Data**

David C Duffy  
Department of Botany

Collaborate with NPS to implement a climate monitoring protocol to process, review and store climate data for status and trend analysis.

National Park Service/Department of the Interior

**Developing and Evaluating Techniques for Native Hawaiian Plant Restoration**

David C Duffy  
Department of Botany

Evaluate weed removal techniques and document efficacy, differential results in target areas, and the need for post weed control restoration of native plants at Haleakala National Park.

National Park Service/Department of the Interior

**Identification of Ancient and Historic Trails in the Ala Kahakai Corridor in Kohala, Kona and Kau, Island of Hawaii**

Luciano Minerbi  
Department of Urban and Regional Planning

Identification of ancient and historic trails in the Ala Kahakai Corridor in Kohala, Kona and Kau, Island of Hawaii.

National Park Service/Department of the Interior

**Experimental Removal of Selected Invasive Plants from Big Island Parks**

David C Duffy  
Department of Botany

Continue experimental eradication methods against incipient and localized weed infestations and achieve knockdown of moderate to dense alien weed infestations from selected plant communities in National Parks on Big Island.

U.S. Fish & Wildlife Service/Department of the Interior

**Molokai Black Buck Control Project**

David C Duffy  
Department of Botany

Assess the size and distribution of the black buck population on Molokai and develop a control/eradication program with the local community.

U.S. Fish & Wildlife Service/Department of the Interior

**Project Support for HACCP Plan Implementation for the Kauai Invasive Species Committee**

David C Duffy  
Department of Botany

Supplement the Kauai Invasive Species Committee's Hazard Analysis Critical Control Point plan for reducing Miconia.

U.S. Fish & Wildlife Service/Department of the Interior

**Avian Influenza Surveillance, KISC and OISC**

David C Duffy  
Department of Botany

Provide rapid response to monitor dead birds for avian influenza on Oahu and Kauai.

U.S. Fish & Wildlife Service/Department of the Interior

**Plant Extinction Prevention Program**

David C Duffy  
Department of Botany

Prevent the extinction of 54 plant species on Kauai at high risk for imminent extinction through propagule collection, tissue culture and propagation.
Gifts, Grants, and Contracts for September 2008

Research

DOI-Dept of Interior

U.S. Fish & Wildlife Service/Department of the Interior  $5,094
MoMISC Albezia Eradication Project
David C Duffy  Department of Botany
Supplement the Molokai Invasive Species Committee's early detection and rapid response efforts to control the invasive tree Albizia.

U.S. Geological Survey/Department of the Interior  $50,000
Application of Radar Imagery as Input to a Rainfall-Runoff Model for the Kawela Watershed, Molokai
Aly I El-Kadi  Water Resources Research Center
This study will use radar-inferred rainfall maps as input to a rainfall-runoff model for the Kawela watershed on Molokai in order to assess the effects on various climate and land cover scenarios on stream flow and groundwater recharge.

U.S. Geological Survey/Department of the Interior  $37,500
National Assessment: Historical Shoreline Changes and Associated Coastal Land Loss Along Sandy Shorelines of the Islands Oahu, Maui, and Kauai
C 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.

Foreign

Australian National University  $4,364
Cosmology from Type 1a Supernovae
John L Tonry  Institute for Astronomy
Funds used to fund investigations of cosmology using Type 1a supernovae.

Hawaii- Business and Other

Alakai Consulting and Engineering, Inc.  $74,819
Dual-Use Standoff Raman Spectrometer (DUSRS)
Shiv K Sharma  Hawaii Institute of Geophysics and Planetology
Building a conceptual design for an ideal UV stand-off Raman system.

Hawaii Farm Bureau Federation  $27,500
Investigations into Macadamia Tree Dieback and Decline and Field Management Strategies to Alleviate the Problem
Mike A Nagao  Department of Tropical Plant and Soil Sciences
Research on tree decline will be conducted to provide the macadamia industry and producers with strategies to overcome decline due to nutrient stress and disease.

North Shore Shark Adventures  $6,500
Site Fidelity and Movement Patterns of Sharks Associated with Commercial Shark Watching Tours
Carl G Meyer  Hawaii Institute of Marine Biology
We will equip sharks with small transmitters to determine their movement patterns.
Gifts, Grants, and Contracts for September 2008

Research

Hawaii- Government Agencies

County of Hawaii

Innovative Research Methods with Crop Production
Susan C Miyasaka

Chancellor, Hawaii Community College

These two unique projects on innovative Research Methods with Crop Production can benefit the county with food self sufficiency in our communities with new research techniques, provide potential increase in vegetable and fruit production for consumers and local industry, and provide educational opportunities for community members, our youth, and visitors.

County of Hawaii

Crop Production for Sustainable Agriculture
Susan C Miyasaka

Chancellor, Hawaii Community College

This grant proposal focuses on various crop production methods with research and educational outreach fostering a diverse and sustainable agricultural economy on Hawaii Island. These projects can benefit the county with food self sufficiency in our communities, provide niche marketing, and educational opportunities for community members, local youth, and visitors.

DLNR-Division of Aquatic Resources

A Recreation Management-by-Objectives Framework for Hawaii’s Coastal Resources: Application at Kealakekua Bay and Molokini Shoal

Brian W Szuster

Department of Geography

The proposed project will develop a recreation management-by-objects framework to assist the Hawaii Division of Aquatic Resources manage recreational activities in Hawaii’s coastal areas. The framework will be tested at Kealakekua Bay and Molokini Shoal Marine Life Conservation Districts.

DOH-Alcohol & Drug Abuse Division

Data Collection and Analysis of Substance Abuse Prevention Services
Shi-Jen He

Center on the Family

Help to implement the ADAD Substance Abuse Prevention infrastructure work plan by providing a web-based data management system for data collection and management to satisfy program evaluation and report requirements.

Hawaii-Dept of Health

State Prevention Framework State Incentive Grant (SPF SIG) Epidemiology
Claudio R Nigg

Office of Public Health Studies

The contract will be with the State of Hawaii, Department of Health, Alcohol and Drug Abuse Division, to provide epidemiological support for the Hawaii Strategic Prevention Framework State Incentive Grant (HI SPF-SIG) project, which is designed to reduce substance abuse in Hawaii.

Hawaii-Dept of Health

ADAD Needs Assessment Contract
Deborah A Goebert

Department of Psychiatry

Conduct Hawaii Student Alcohol, Tobacco, and Drug Use Survey for the Department of Health, Alcohol and Drug Abuse Division (ADAD) and collaborate with ADAD in substance abuse treatment services for the youth and adult criminal justice population.

Hawaii-Dept of Land & Natural Resources

GIS Research on State Forest Lands
David C Duffy

Department of Botany

Work cooperatively with DLNR on GIS mapping of forest fire response and development of a state forestry plan.
Gifts, Grants, and Contracts for September 2008

Research

Hawaii- Government Agencies

Hawaii-Dept of Land & Natural Resources $120,516
Green & Healthy Hawaii: Identifying & Introducing Alternative Ornamental Landscape Plants in Response to Invasive Species Issues
Andrew J Kaufman Department of Tropical Plant and Soil Sciences
This research project is to identify new ornamental plants for Hawaii's landscape industry that are not an invasive threat to the natural environment and to produce a reference publication of alternative ornamental plants for Hawaii's landscape industry use.

Hawaii-Dept of Transportation $233,089
Survey and Modeling Analysis of MS4 Highway Storm Runoff on Oahu, Hawaii
Clark C. K. Liu Water Resources Research Center
The proposed survey and analysis will bring about a better understanding of the impacts of storm runoff from Hawaii watersheds on the water quality of receiving waters. Specifically, it will investigate the impacts of storm water generated from H-1 and H-3 freeways on water quality conditions in Ala Wai Canal and Pearl Harbor.

Hawaii-U.S. Army Garrison $199,242
Flood and Stormwater Reuse Study
Roger W Babcock Water Resources Research Center
Conduct an inventory the current natural water resources and impoundment structures, determine drainage areas, determine structural integrity, and determine potential reuse of stormwater.

Hawaii- Health Organizations

Kaiser Permanente - HI $40,319
Hawaii Family DASH
Claudio R Nigg Office of Public Health Studies
This is a subcontract for the physical activity intervention and assessment portion and the data analysis for a project addressing childhood obesity through the physician and at home.

Kaiser Permanente - HI $9,757
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.

Hawaii- Non-Profit Organizations

Partners in Development $25,000
Parenting Classes
Judith Miller Department of Nursing
A Series of 12 parenting classes will be designed and presented to the adult participants of the transitional housing shelter. Curriculum evaluation will be completed.
**Gifts, Grants, and Contracts for September 2008**

**Research**

**Hawaii- Non-Profit Organizations**

<table>
<thead>
<tr>
<th>Organization</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tri-Isle Resource Conservation &amp; Development Council</td>
<td>$91,000</td>
</tr>
<tr>
<td>East Maui Watershed Protection</td>
<td>Clifford W Morden</td>
</tr>
<tr>
<td>Control and reduce invasive species in protected areas in the East Maui Watershed and record data to track the effectiveness of control techniques.</td>
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</tr>
<tr>
<td>Univ of Hawaii Foundation</td>
<td>$38,533</td>
</tr>
<tr>
<td>Human Papillomavirus (HPV) Infection and Barriers to Cervical Cancer control in American Samoa</td>
<td>Brenda Y Hernandez</td>
</tr>
<tr>
<td>The Specific Aims of this pilot project are to determine the feasibility of conducting a survey on the prevalence of cervical HPV infection among females 18+ in American Samoa, and to develop and pilot a KAP (knowledge, attitudes, practices) survey in English and Samoan languages to evaluate effectiveness of HPV vaccination and Pap smear screening in American Samoa.</td>
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</tr>
</tbody>
</table>

**Mainland- Business and Other**

<table>
<thead>
<tr>
<th>Organization</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Concurrent Technologies Corporation</td>
<td>$1,700</td>
</tr>
<tr>
<td>Sources of Radiation in the Hawaiian Islands with Emphasis for Environmental Excellence (NDCEE) from the University of Hawaii</td>
<td>Kenneth H Rubin</td>
</tr>
<tr>
<td>Define and describe natural radiation sources in specified regions on the islands of Oahu and Hawaii.</td>
<td></td>
</tr>
<tr>
<td>Jet Propulsion Lab</td>
<td>$21,110</td>
</tr>
<tr>
<td>Testing the Disk Regulation Paradigm with Spitzer: Low Mass Stars</td>
<td>Lucas Cieza</td>
</tr>
<tr>
<td>We propose to measure spectral types of those members of the young stellar cluster NGC (New General Catalogue) 2264 with known rotation periods and undetermined spectral types in order to construct a very clean sample of M3 and later type stars.</td>
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</tr>
<tr>
<td>Jet Propulsion Lab</td>
<td>$8,000</td>
</tr>
<tr>
<td>Binary Debris Disks: Follow-on Observations of Spitzer Discoveries</td>
<td>Nader Haghighipour</td>
</tr>
<tr>
<td>Complete initial and analyze survey results of Spitzer telescope observations.</td>
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</tr>
<tr>
<td>Jet Propulsion Lab</td>
<td>$20,431</td>
</tr>
<tr>
<td>Investigating the Triggers of Starburst Activity in Galaxy Clusters</td>
<td>Harald Ebeling</td>
</tr>
<tr>
<td>Use data from NASA's Spitzer space telescope to investigate starburst activity in galaxy clusters.</td>
<td></td>
</tr>
<tr>
<td>Jet Propulsion Lab</td>
<td>$52,140</td>
</tr>
<tr>
<td>UV Processing of Ices Across the Rosette Molecular Cloud</td>
<td>Jacqueline Keane</td>
</tr>
<tr>
<td>Analyze the absorption spectra of the Rosette Molecular Cloud.</td>
<td></td>
</tr>
</tbody>
</table>
Gifts, Grants, and Contracts for September 2008

Research

Mainland- Business and Other

Jet Propulsion Lab
Orographically Induced Ocean-Atmosphere Interaction: Satellite Observations and Numerical Modeling
Shang-Ping Xie Department of Meteorology
Conduct analysis of observations by the QuikSCAT and other NASA satellite observations for a better description and understanding of ocean-atmosphere interaction and climate.

MERCK & Co., Inc
Merk HPV Investigator - Initiated Studies Program Proposal
Brenda Y Hernandez Cancer Research Center
The one-year study will conduct Human Papillomavirus (HPV) DNA testing and genotyping and serologic testing, and data analysis from samples previously collected in the Male-Female HPV Study (CHS 13214) in which recruitment has closed. The overall objective of the study is to understand the transmission dynamic of HPV between male-female partners.

Smithsonian Astrophysical Observatory
Chandra Observations of (U) LIRGS with Double Nuclei: Search for Binary AGN and X-ray Luminous Starbusts
David Bruce Sanders Institute for Astronomy
We propose to observe with Chandra and carefully select from a complete sample of ultra luminous IRAS galaxies.

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

Space Telescope Science Institute
Boron in F Stars in the Hyades - Insights into the Li-Be Dip
Ann M Boesgaard Institute for Astronomy
Astronomical research on the Boron in F stars in the Hyades using the Hubble Space Telescope.

Space Telescope Science Institute
The Physical Parameters of the Hottest, Most Luminous Stars as a Function of Metallicity
Rolf-Peter Kudritzki Institute for Astronomy
Astronomical research using the Hubble Space Telescope on the ultraviolet and optical spectra of 25 Magellanic Cloud stars.

Mainland- Health Organizations

Mayo Clinic Foundation
NCCTG SUBAWARD AGREEMENT (Mayo Clinic Rochester dba Mayo Clinic College of Medicine)
Jonathan Cho Cancer Research Center
A Clinical Research Associate (CRA) assigned to the project will be responsible for clinical trial accrual of sponsor's cancer-related treatment and prevention studies. CRA will review eligibility criteria, assist in consenting patients, study registration, treatment and follow-up data to include specimen submission data and complete data forms to sponsor.
Gifts, Grants, and Contracts for September 2008

Research

Mainland- Health Organizations

Mayo Clinic Foundation $12,600
NCCTG Subaward Agreement (Mayo Clinic Rochester dba Mayo Clinic College of Medicine)
Jonathan Cho Cancer Research Center
A Clinical Research Associate (CRA) assigned to the project will be responsible for clinical trial accrual of sponsor’s cancer-related treatment and prevention studies. CRA will review eligibility criteria, assist in consenting patients, study registration, treatment and follow-up data to include specimen submission data and complete data forms to sponsor.

Mainland- Non-Profit Organizations

Alzheimer’s Association $99,977
Medicines from Marine Resources
Philip Williams Department of Chemistry
The development of an assay protocol for Alzheimer’s drug discovery and subsequent screening.

Arcadia Wildlife Preserve Inc $2,400
Genetic Architecture of Coral Reefs
Stephen Anthony Karl Hawaii Institute of Marine Biology
Genetic assessment of coral colonies on a reef in Kaneohe Bay, Oahu, Hawaii. This funding is for laboratory support.

NSABP Foundation Inc $70,500
Amendment #2 -- TFED38-- 118, Federal Master Purchased Services Agreement Treatment Protocols
Robert H Oishi Cancer Research Center
Project staff assist the Principal Investigator in enrolling patients on National Surgical Adjuvant Breast & Bowel Project (NSABP) protocols and oversees their protocol treatment and health care. Patient screening to determine patient eligibility, patient education, sponsor-required data submission and other protocol-related procedures are performed by CRCH staff.

National Aeronautics and Space Administration

National Aeronautics & Space Administration $23,427
NA10Nordic Summer School - Water, Ice and the Evolution of Life in the Universe / 2008 HI STAR Program
Karen J Meech Institute for Astronomy
Create summer program including posters, web-based application, materials and curriculum. Continue outreach for HI STAR program.

National Aeronautics & Space Administration -$46,750
Thermal Infrared Spectroscopic Studies of Geologic Materials for Application to Earth and Mars
Victoria E. Hamilton Hawaii Institute of Geophysics and Planetology
Laboratory infrared spectroscopy studies of rocks and minerals having various surface roughness; information learned will increase our understanding of processes affecting infrared spectra of geologic materials, and will (eventually) help us to interpret data returned from NASA missions to Mars. Research will support PI's new infrared laboratory in HIGP.
Gifts, Grants, and Contracts for September 2008

Research

National Aeronautics and Space Administration

National Aeronautics & Space Administration  $-36,466
   Thermal Infrared Spectroscopic Studies of Geologic Materials for Application to Earth and Mars
   Victoria E. Hamilton  Hawaii Institute of Geophysics and Planetology
   Laboratory infrared spectroscopy studies of rocks and minerals having various surface roughness; information learned will increase our understanding of processes affecting infrared spectra of geologic materials, and will (eventually) help us to interpret data returned from NASA missions to Mars. Research will support PI's new infrared laboratory in HIGP.

National Aeronautics & Space Administration  $92,942
   Mars Surface Composition in a Geological Context
   G Jeffrey Taylor  Hawaii Institute of Geophysics and Planetology
   This project will use data from Mars mission to understand the formation and geological and geochemical evolution of the martian crust.

National Aeronautics & Space Administration  $64,416
   Detailed Investigations of Mars' Surface Mineralogy and Geology Using Visible to Infrared Data
   Victoria E. Hamilton  Hawaii Institute of Geophysics and Planetology
   The proposal is to support a graduate student and the PI to perform analysis of infrared data of the Martian surface collected by ongoing NASA orbital missions.

National Aeronautics & Space Administration  $21,934
   Origin of Earth Water Mission Instrumentation Development Workshop
   Karen J Meech  Institute for Astronomy
   Develop innovative research strategies for detection of small amounts of volatile outgassing from objects in the outer asteroid belt.

National Aeronautics & Space Administration  $5,000
   Search for WHIM in the Shapley Supercluster
   J Patrick Henry  Institute for Astronomy
   We aim at the first significant detection of redshifted oxygen emission from the arm-hot intergalactic medium in the Shapley Supercluster.

National Science Foundation

National Science Foundation  $126,588
   Binding in Adult and Child Thai
   Kamil Ud Deen  Department of Linguistics
   This proposal is to conduct six experiments in Bangkok, Thailand on 80 children aged 3-7 yrs, testing for knowledge of two supposedly universal principles of language called the Binding Conditions.

National Science Foundation  $6,920
   Genetics of Heterocyst Differentiation and Patterning
   Sean M Callahan  Department of Microbiology
   Investigation of the role of a protein called HetF in the differentiation of heterocysts in the cyanobacterium Anabaena.
Gifts, Grants, and Contracts for September 2008

Research

National Science Foundation

Biodiversity Dynamics and Land-Use Changes in the Amazon: Multi-Scale Interactions Between Ecological Systems and Resource-Use Practices by Indigenous
Jose M Fragoso Department of Botany
This project will test the hypothesis that traditional aspects of indigenous culture buffer the impacts of integration on resource use and therefore on biodiversity by quantifying social, economic, biological and land-use variables in and around 30 Macuxi indigenous communities in the northern Brazilian Amazon and modeling the dynamics of this coupled human-natural system.

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.

Oceanographic Technical Services 2006-2008, R/V Kilo Moana
Brian Taylor School of Ocean and Earth Science and Technology
Support for technical services during NSF-Funded Programs on R/V Kilo Moana.

Collaborative Research: Hawaii Ocean Time-series Program: Biogeochemistry and Ecology Component
David M Karl Department of Oceanography
To continue our 20-year field sampling, ocean time-series program at Station ALOHA, 100 km north of Oahu - Supplemental proposal requested by NSF.

Diversity and Ecology of Marine RNA Viruses
Grieg F Steward Department of Oceanography
Sampling will be conducted in Kaneohe Bay to determine the diversity of planktonic RNA viruses, and to determine how the abundance of different virus types vary over time.

Pacific Research Center for Marine Biomedicine
Edward A Laws Department of Oceanography
This supplement provides funds to cover costs associated with the compilation and printing of proceedings of the 2008 Joint NSF/NIEHS/NOAA Oceans and Human Health Centers.

I/URC Center for Bioenergy Research and Development
Scott Q Turn Hawaii Natural Energy Institute
The proposal seeks to establish a Center for Bioprocessing Research and Development at the University of Hawaii to work on integrated biofuels production for renewable energy.
Gifts, Grants, and Contracts for September 2008

Research

National Science Foundation

National Science Foundation  $19,844
U.S.-Japan Planning Visit: Hormonal Control of Body Fluid Homeostasis in Fish; Interactions Between Fast-acting and Slow-acting Hormones
E Gordon Grau Hawaii Institute of Marine Biology
To support and foster collaborative research between US and Japanese young scientists, post-doctoral fellows, and graduate students, focusing on the comparative hormonal control of fluid homeostasis in fishes. Establishing new methodologies and participation in mini-symposia and workshops will benefit developing scientists, promoting professional and personal relationships.

National Science Foundation  $187,646
The Global Fracture Zone and Magnetic Lineation Data Base Project
Paul Wessel Department of Geology and Geophysics
This project will develop infrastructure that lets the community of plate reconstruction scientist automatically obtain the best estimates of fracture zones and magnetic isochrons.

National Science Foundation  $123,194
Collaborative Research: Crustal Accretion and Mantle Processes Along the Subduction Influenced Eastern Lau Spreading Center
Robert A. Dunn Department of Geology and Geophysics
Active and passive source seismic experiment along the Eastern Lau Spreading Center to image crustal and mantle structure.

National Science Foundation  $404,581
Collaborative Research: Turbulent Fluxes and Boundary Layer Structure Due to Near-shore Internal Tides
Eugene R. Pawlak Department of Ocean and Resources Engineering
The proposed work will carry out field observations of near-bed turbulence and turbulent fluxes associated with shoaling internal tidal bores. The work will make use of real-time observations at the cabled Kilo Nalu Observatory.

US Colleges and Universities

Stanford University  $102,000
Institute for Astronomy Support for the SDO/HMI Investigation
Jeffrey R. Kuhn Institute for Astronomy
As part of a team headed by Stanford University, the Institute for Astronomy will work on the Helioseismic and Magnetic Imager data analysis methodology and coding to produce high level data needed for photometry and astrometry research.

Univ of Washington  $159,823
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.

University of California, Davis  $42,750
Funding for 2008 Hawaii IR-4 Food Use Field Projects
Michael K Kawate Department of Plant and Environmental Protection Sciences
To conduct field trials in agricultural crops to collect pesticide efficacy data and/or residue samples for analysis.
# Gifts, Grants, and Contracts for September 2008

## Research

### US Colleges and Universities

<table>
<thead>
<tr>
<th>Institution</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>University of California, Irvine</td>
<td>$146,269</td>
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<tr>
<td><strong>The Role of Evolution in Dengue Virus Emergence</strong></td>
<td></td>
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<tr>
<td>Shannon N Bennett</td>
<td></td>
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<tr>
<td>Dept of Trop Med, Medical Microbiology and Pharmacology</td>
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<tr>
<td>Dengue virus, causing fever with occassional hemorrhaging, is expanding worldwide, producing more frequent, severe epidemics. Evidence suggests genetic changes in circulating viruses underlie these dynamics. We compare virus sequence data from multiple populations all undergoing endemic/epidemic transitions for universal genetic factor.</td>
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<tr>
<td>University of California, San Francisco</td>
<td>$246,539</td>
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<tr>
<td><strong>Macrophage Targeted Therapy for HAD and HIV Disease (Project 3)</strong></td>
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<tr>
<td>Cecilia M Shikuma</td>
<td></td>
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<tr>
<td>Department of Medicine</td>
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<tr>
<td>The grant application continues Year 2 goals with establishing the clinical study and protocol in Hawaii to test new therapies for HIV-1-associated dementia.</td>
<td></td>
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<tr>
<td>University of Pittsburgh</td>
<td>$15,000</td>
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<tr>
<td><strong>Emerging Learning and Integrated Technologies Education (ELITE) Faculty Development Program</strong></td>
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<tr>
<td>Benjamin W Berg</td>
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<tr>
<td>John A. Burns School of Medicine</td>
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<tr>
<td>Support curriculum development and delivery; develop onsite and online distance learning presentations as ELITE workshop instructional partner; coordinate activities with learning partners.</td>
<td></td>
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</tbody>
</table>

| Subcount: | 136 | Subtotal: | $33,305,041 |

### Non-Research

### DA-Dept of Agriculture

<table>
<thead>
<tr>
<th>Program</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooperative State Research, Education, &amp; Extension Service/Department of Agriculture</td>
<td>$1,528,082</td>
</tr>
<tr>
<td><strong>University of Hawaii Agribusiness Education, Training and Incubator Project (AETI)</strong></td>
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<tr>
<td>Ronald K Takahashi</td>
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<tr>
<td>Chancellor, Kapiolani Community College</td>
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<tr>
<td>Agribusiness education, training, and incubator project to promote sustainable agriculture and promote the educational opportunities for underserved minorities in food and agriculture related fields of study.</td>
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<tr>
<td>DA-Natural Resources Conservation Service (NRCS)</td>
<td>$15,930</td>
</tr>
<tr>
<td><strong>2008 Stockman’s Fall Field Day</strong></td>
<td></td>
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<tr>
<td>Mark S Thorne</td>
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<tr>
<td>Department of Human Nutrition, Food and Animal Sciences</td>
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</tr>
<tr>
<td>The goals for this program are: (1) Inform producers on the practices and principles of behavior-based grazing management for improved animal performance, pasture condition, and ranch profitability; (2) Provide producers with information on emerging technology and advances in management; and (3) Provide participants with information on sustainable management practices.</td>
<td></td>
</tr>
<tr>
<td>Department of Agriculture</td>
<td>$178,330</td>
</tr>
<tr>
<td><strong>Professional Internship - PIPTIEM</strong></td>
<td></td>
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<tr>
<td>Sharon Ziegler-Chong</td>
<td></td>
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<tr>
<td>Pacific Aquaculture-UHH</td>
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</tbody>
</table>
Gifts, Grants, and Contracts for September 2008

Non-Research

DA-Dept of Agriculture

Department of Agriculture

Hawaii Volcanic Eruption - Impacts on Hawaii Agriculture
Wayne T Nishijima
College of Tropical Agriculture and Human Resources
Ranchers also have concerns about potential damage to grazing lands and potential toxic effects of fluorine on cattle as it accumulates in forage plants. The project's goal is to help mitigate the impacts of this new eruption on farmers and ranchers on the island of Hawaii.

DHHS-Dept of Health and Human Services

National Cancer Institute/NIH/DHHS
Nutritional & Behavioral Cancer Prevention in a Multiethnic Population
Gertraud Maskarinec
Cancer Research Center
Grant will support postdoctoral training in cancer prevention and control research led by faculty at the Cancer Research Center of Hawaii and collaborators elsewhere at the University and health care organizations in Honolulu.

National Center for Research Resources/NIH/DHHS
Pacific Education and Research for Leadership in Science (PEARLS)
Kelley Marie Withy
Department of Complementary and Alternative Medicine
To increase science knowledge and interest in science careers through an inquiry based science curriculum for 7th and 8th grade students in the Pacific region.

National Institute of Diabetes and Digestive and Kidney Diseases/NIH/DHHS
High School Students Step Up to Biomedical Research
George S N Hui
Dept of Trop Med, Medical Microbiology and Pharmacology
Provide biomedical research training for high school students of ethnic minority and economically disadvantaged background.

National Institutes of Health/DHHS
PhD in Clinical Research
Rosanne C Harrigan
John A. Burns School of Medicine
Offer a PhD Program in Clinical Research.

National Institutes of Health/DHHS
Parallel MRI for Substance Abuse Research
Victor Andrew Stenge
Department of Medicine
Career development award - to continue as an independent investigator on won NIH projects as well as mentor junior investigators and participate in other clinical research projects.

DOC-Dept of Commerce

National Oceanic & Atmospheric Administration/Department of Commerce
Vessel Refurbishment
Bob Perkins
Chancellor, Honolulu Community College
Vessel refurbishment and update to allow training of students and facilitate having a operational vessel for on-board student classes in Small Vessel Handling and Seamanship.
Gifts, Grants, and Contracts for September 2008

Non-Research

DOD-Department of Defense

DOD-Naval Research Laboratory

Supplement to: R/V KILO MOANA Ship Operations and Technical Support Services

Brian Taylor School of Ocean and Earth Science and Technology

The present request is for funds to overhaul the #4 Main Engine.

$99,000

DOD-Tripler Army Medical Center

Tripler Army Medical Center (TAMC) Crisis and Mock Code Training

Benjamin W Berg John A. Burns School of Medicine

Provide twelve (12) one-day Crisis Team training sessions for TAMC staff at JABSOM; provide twelve (12) one-day Mock Code training sessions at TAMC; complete two (2) manpower reports to TAMC.

$152,550

Office of Naval Research

Supplement to: R/V Kilo Moana Ship Operations and Technical Support Services

Brian Taylor School of Ocean and Earth Science and Technology

Rental of Klaus Wyrtki R/V from University of Hawaii Marine Center for Dipole Moment Tests Associated with the Office of Naval Research 3MDS Project.

$15,000

DOI-Dept of Interior

Department of Interior

Option Period 2, CLIN 0003, SubCLIN 0003AG Blood Safety Workshop/SubSLIN 0003AH HIV Logistics Workshop

Cecilia M Shikuma Pacific Biosciences Research Center

$30,648

National Park Service/Department of the Interior

Support for a Coordinator for the Coordinating Group on Alien Pest Species

David C Duffy Department of Botany

Assist the Coordinating Group on Alien Species with Collaborative projects to reduce invasive aliens species in Hawaii.

$5,400

National Park Service/Department of the Interior

Support for a Coordinator for the Coordinating Group on Alien Pest Species

David C Duffy Department of Botany

Assist the Coordinating Group on Alien Species with Collaborative projects to reduce invasive aliens species in Hawaii.

-$11

National Park Service/Department of the Interior

Healing Habitats: Community Cooperation

Sharon Ziegler-Chong Pacific Aquaculture-UHH

$27,988

U.S. Fish & Wildlife Service/Department of the Interior

Support of Aquatic Invasive Species Workshop Sponsored by the Kauai Invasive Species Committee

David C Duffy Department of Botany

Host a conference on Aquatic Invasive Species on Kauai.

$3,525
Gifts, Grants, and Contracts for September 2008

Non-Research

DOI-Dept of Interior

U.S. Fish & Wildlife Service/Department of the Interior $13,622
Laboratory Equipment for the Conservation of Hawaiian Tree Snails Project
Michael G Hadfield Pacific Biosciences Research Center
The funds allocated will provide for equipment purchase for the Kewalo Snail Laboratory.

U.S. Geological Survey/Department of the Interior $28,000
Tropical Montane Cloud Forests
Sharon Ziegler-Chong Pacific Aquaculture-UHH

U.S. Geological Survey/Department of the Interior $52,947
Manage Mouflon
Sharon Ziegler-Chong Pacific Aquaculture-UHH

U.S. Geological Survey/Department of the Interior $38,551
Endangered Plant - HVNP
Sharon Ziegler-Chong Pacific Aquaculture-UHH

U.S. Geological Survey/Department of the Interior $17,000
Koa Community Ecology
Sharon Ziegler-Chong Pacific Aquaculture-UHH

U.S. Geological Survey/Department of the Interior $31,298
Molecular Tools
Sharon Ziegler-Chong Pacific Aquaculture-UHH

U.S. Geological Survey/Department of the Interior $45,700
Invasive Ants
Sharon Ziegler-Chong Pacific Aquaculture-UHH

U.S. Geological Survey/Department of the Interior $21,316
Habitat Selection - Hoary Bat
Sharon Ziegler-Chong Pacific Aquaculture-UHH
Gifts, Grants, and Contracts for September 2008

Non-Research

DOI-Dept of Interior

U.S. Geological Survey/Department of the Interior
  Unit Support & Gen Activities
  Sharon Ziegler-Chong  Pacific Aquaculture-UHH  $30,550

U.S. Geological Survey/Department of the Interior
  Palila Restoration Research
  Sharon Ziegler-Chong  Pacific Aquaculture-UHH  $24,000

U.S. Geological Survey/Department of the Interior
  Nene Habitat Use/Movement
  Sharon Ziegler-Chong  Pacific Aquaculture-UHH  $15,012

U.S. Geological Survey/Department of the Interior
  PBIN Operations
  Sharon Ziegler-Chong  Pacific Aquaculture-UHH  $190,000

U.S. Geological Survey/Department of the Interior
  Hawaiian Veg Mapping
  Sharon Ziegler-Chong  Pacific Aquaculture-UHH  $20,000

U.S. Geological Survey/Department of the Interior
  PBIN: PIERC
  Sharon Ziegler-Chong  Pacific Aquaculture-UHH  $85,000

U.S. Geological Survey/Department of the Interior
  Hawaiian Forest: Saipan
  Sharon Ziegler-Chong  Pacific Aquaculture-UHH  $30,000

U.S. Geological Survey/Department of the Interior
  Maui Dry Forests
  Sharon Ziegler-Chong  Pacific Aquaculture-UHH  $12,204
Gifts, Grants, and Contracts for September 2008

Non-Research

ED-Dept of Education

ED-Dept of Education

Student Support Services Program
Melven M Yoshimoto, Vice Chancellor for Academic Affairs
Provide services and activities to increase retention and graduation rates of program-eligible students; foster campus climate to support students' success.

ED-Dept of Education

Education of Native Hawns: Pathways 2009
David K Sing, Vice Chancellor for Student Affairs-UHH

ED-Dept of Education

Henry Ku'ualoha Giugni Archives
Stephen Y Itoga, Department of Information and Computer Sciences
The Henry Ku'ualoha Giugni Archives will be a digital and material archive intended to perpetuate and share the special history and culture of Native Hawaiians and the people of Hawaii.

ED-Dept of Education

Student Support Services Program, fy 09
Melissa Johnson, Vice Chancellor for Student Affairs-UHH

ED-Dept of Education

Educational Talent Search
Beth H Sanders, Chancellor, Hawaii Community College
Provide services addressing academic preparedness/personal development to 900 low-income, first generation secondary school students and high school/college dropouts at 10 West Hawaii schools. Increase postsecondary enrollment by impacting completion rates, percentage of students completing admissions/financial aid applications, and individuals re-entering postsecondary options.

ED-Dept of Education

Honolulu Community College Student Support Services Project
Jolene Suda, Chancellor, Honolulu Community College
Provide student support services to low-income, first generation college students and students with disabilities to increase the retention, graduation, and transfer rates of these students.

ED-Dept of Education

Kapiolani Community College - TRIO Student Support Services
Mona Lee, Chancellor, Kapiolani Community College
Support services (academic and non-academic) for eligible low income, first generation in college, and students with disabilities enrolled at Kapiolani Community College. At selected participants must demonstrate need for academic support.

ED-Dept of Education

Students with Disabilities as Diverse Learners: Innovative Teaching Methods in Postsecondary Education
Robert A Stodden, Center on Disability Studies
The ultimate goal of the proposed project is to improve faculty attitudes, knowledge, and practice, resulting in increased retention and completion of postsecondary education by students with disabilities.
Gifts, Grants, and Contracts for September 2008

Non-Research

ED-Dept of Education

ED-Dept of Education $369,741
Student Support Services
Roy Owen Inouye Chancellor, Windward Community College
Support services for low income, first generation and disabled students.

ED-Dept of Education $132,675
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.

ED-Dept of Education $246,963
Maui Community College Student Support Services Program
Alvin R Tagomori Chancellor, Maui Community College
A program designed to promote postsecondary education for low-income, first generation MCC students.

ED-Dept of Education $132,438
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.

ED-Dept of Education $132,438
Strengthening Hawaiian Studies Access and Academic Quality
Douglas Dykstra Chancellor, Hawaii Community College
Rural district distance education and support; Curriculum resource development; interdisciplinary collaboration on new course development.

ED-Dept of Education $540,000
UHM GEAR UP Waipahu
Amy Agbayani Vice Chancellor for Student Affairs
GEAR UP Waipahu provides 675 low-income middle school students access to rigorous academic preparation and financial information to enter and succeed in postsecondary education. The program features an innovative language and culture education program, an online learning initiative, a strong parent involvement component, tutoring, mentoring, and professional development.

Office of Postsecondary Education/Department of Education $132,438
Improving Engagement and Retention Among Underprepared Students
Michael H Pecsok 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 September 2008**

### Non-Research

#### Federal Agencies

<table>
<thead>
<tr>
<th>Agency</th>
<th>Project Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Housing &amp; Urban Development</td>
<td><strong>Kamoleao Community Resource Center Project</strong>&lt;br&gt; Douglas Dykstra (Chancellor, Hawaii Community College)&lt;br&gt; Self-help construction of community resource center and relevant programs for Low-to-Moderate-Income youths, adults, and families in Hilo, Hawaii.</td>
<td>$605,400</td>
</tr>
<tr>
<td>Department of Housing &amp; Urban Development</td>
<td><strong>Kanewai Cultural Resource Center</strong>&lt;br&gt; Wendell Perry (Hawai‘inuikea School of Hawaiian Knowledge)&lt;br&gt; To construct a cultural resource center for Ka Papa Loi o Kanewai.</td>
<td>$799,907</td>
</tr>
<tr>
<td>Department of Housing &amp; Urban Development</td>
<td><strong>Kekaha Community Enterprise Center</strong>&lt;br&gt; Charles Ramsey (Chancellor, Kauai Community College)&lt;br&gt; Kauai Community College in partnership with the Council for Native Hawaiian Advancement proposes the construction of the Kekaha Community Enterprise Center, to be located on Kekaha Hawaiian Homelands. Critical financial literacy counseling and basic skills courses will be offered. Capacity building for Kekaha Hawaiian Homes Association is also proposed.</td>
<td>$794,728</td>
</tr>
<tr>
<td>Department of Justice</td>
<td><strong>UHM Program Against Violence to Women</strong>&lt;br&gt; Christine A Quemuel (Student Equity, Excellence, and Diversity)&lt;br&gt; To provide training and education on campus on sexual assault, stalking and partner violence to reduce violence, increase victim safety and ensure perpetrator accountability.</td>
<td>$249,994</td>
</tr>
<tr>
<td>National Endowment for the Humanities/Natl. Fndn. on the Arts &amp; Humanities</td>
<td><strong>Digital Access to Hawaii Newspapers 1880-1922</strong>&lt;br&gt; Joan Hori (Library)&lt;br&gt; The project will digitize (image, convert to text, and mark-up) and submit to the Library of Congress National Digital Newspaper Project important English language newspapers that have historically provided statewide (and prior to annexation to the United States, country wide) coverage and which have had significant influence on the archipelago.</td>
<td>$200,000</td>
</tr>
<tr>
<td>National Sea Grant College Program</td>
<td><strong>Insular Pacific Regional Research, Information Planning and Coordination</strong>&lt;br&gt; E Gordon Grau (Sea Grant College Program)&lt;br&gt; Develop a regional research and information plan for the insular Pacific by utilizing UH Sea Grant's capabilities to facilitate discussions among the broad range of insular Pacific stakeholders to help identify and prioritize critical resource management problems and associated research and information needs necessary for practical solutions.</td>
<td>$50,000</td>
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<tr>
<td>Small Business Administration</td>
<td><strong>Small Business Development Center</strong>&lt;br&gt; William Carter (Chancellor, University of Hawaii at Hilo-UHH)</td>
<td>$539,556</td>
</tr>
</tbody>
</table>
Gifts, Grants, and Contracts for September 2008

Non-Research

Federal Agencies

USAID

$299,954


Catherine Chan-Halbrendt  Department of Natural Resources and Environmental Management

To increase faculty and extension staff capacity to teach Masters degree program in agricultural economics and be effective in transferring agricultural economics skills to assist farmers and the food sector in Albania. The faculty will be from the Agricultural University in Albania and the extension staff will be from the Ministry of Agriculture.

Foreign

Government of American Samoa

$545,512

Provide Technical Assistance for the Division of Special Education

Robert A Stodden  Center on Disability Studies

Provide a variety of services and activities related to the development and delivery of University of Hawaii special education course work specifically designed for special education teachers to obtain their B.Ed in elementary education with a certification in special education.

Hawaii- Business and Other

Damien Memorial School

$40,644

University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program-Damien Memorial School

Iris F Kimura  Kinesiology and Leisure Science Department

Advanced education and research internship experience: A Board of Certification Athletic Trainer will participate in clinical and research experience in order to enhance the educational and research application of athletic training/sports medicine practice.

Damien Memorial School

$42,274

University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program-Damien Memorial School

Iris F Kimura  Kinesiology and Leisure Science Department

Advanced education and research internship experience: A Board of Certification Athletic Trainer will participate in clinical and research experience in order to enhance the educational and research application of athletic training/sports medicine practice.

Hawaii Council for the Humanities

$8,378

Kennedy Theatre Page to Stage 2008-2009

Lurana D O'Malley  Department of Theatre and Dance

Page to Stage 2008-2009 programming linking Kennedy Theatre production of Shakespeare's Macbeth and Brian Friels's Translations to the UHM departments and the community.

Kamehameha Schools

$43,210

2008 Summer Career Exploration Program

Sharon Narimatsu  Chancellor, Leeward Community College

Provide high school students the opportunity to explore a field that they may be interested in pursuing by enrolling in a 60-hour elective credit course during the summer.
Gifts, Grants, and Contracts for September 2008

Non-Research

Hawaii- Business and Other

Malama Kahalawai Inc  $100,992
Implementation of the West Maui Mountains Watershed Management Plan & Rare Species Protection for Wailuku Water Company Lands
David C Duffy  Department of Botany
Reduce and reverse damage done by feral ungulates and mountain bikers from cutting trails into protected forest reserves in Wailuku.

Olelo Community Television  $454,751
University of Hawaii - Supplemental Projects 2007
Hae K Okimoto  Department of Information Technology Management
Produce courses and programs for the public access channel, Oceanic 55.

Olelo Community Television  $40,000
Hawaii Educational Networking Consortium (HENC)
David K Lassner  Department of Information Technology Management
To provide oversight of the two educational access cable television channels (channel 55 and 56) provided for accredited education on Oahu.

Hawaii- Government Agencies

City and County of Honolulu  $119,074
Elderly Affairs Division Legal Services Program
James H Pietsch  William Richardson School of Law
Provide legal services to socially and economically elders 60 years old and older.

City and County of Honolulu  $482,407
Hanauma Bay Education Program 2008-12
Darren K Okimoto  Sea Grant College Program
To provide technical and professional services to develop and manage and educate and interpretative program for the Hanauma Bay Nature Preserve.

County of Hawaii  $5,000
Production of a Video: Guava Production, Cycling for Constant Fruit Production
Melvin S Nishina  College of Tropical Agriculture and Human Resources
The grant is to allow the production an educational video to show how to cycle guava trees to insure year round fruit production. The video will cover the entire process from pruning to harvest; including pruning, fertilizing and a discussion on common insects and diseases.

County of Hawaii  $10,000
Hilo Bay Wayfinding & Navigation Festival
Rose Tseng  Chancellor, University of Hawaii at Hilo-UHH
Gifts, Grants, and Contracts for September 2008

Non-Research

Hawaii- Government Agencies

DLNR-Division of Aquatic Resources $5,759
Development and Training of a Local Team for Rapid Response of Events of Coral Bleaching or Disease on the Reefs of Hawaii
Greta S Aeby Hawaii Institute of Marine Biology
The goal of the project is to assemble, train, and equip a local team for rapid response for events of coral bleaching or disease in Hawaii. A response team is needed to provide assessments regarding the extent and impact of events and recommendations for mitigation.

Hawaii-Dept of Education $80,445
Provide Kauai Teachers a Masters of Education & Dual Certification Program
Neil A Pateman College of Education
To offer a Secondary Master of Education in Curriculum Studies to teachers wishing to specialize in science or mathematics education.

Hawaii-Dept of Education $75,000
Statewide Improvement Grant Part II
Robert A Stodden Center on Disability Studies
Provide specialty areas of expertise, material, product and web site development to support demonstration, replication, and information dissemination activities. Responsible to coordinate and complete evaluation activities; production, development and dissemination of information and materials; monitor electronic communication systems and websites.

Hawaii-Dept of Health $282,685
Graduate Assistant Research and Evaluation Project
Charles Mueller Department of Psychology
Psychology Department and Department of Health Child and Adolescent Mental Health Division (DOH-CAMHD) collaborate to provide research and evaluation training for graduate psychology students.

Hawaii-Off of Hawaiian Affairs $325,000
Aha Opio Alakai FY 09
David K Sing Vice Chancellor for Student Affairs-UHH

Hawaii-Off of Hawaiian Affairs $1,048,800
Na Pua Noeau FY 2009
David K Sing Vice Chancellor for Student Affairs-UHH

Kaululani Urban and Community Forestry Grant Program $4,999
Acquisition of Embossing Machine for Labeling Plant Collection
Christopher Dunn Lyon Aboretum
The Arboretum has over 12,500 plants in the plant collection, most of which are not labeled. Acquiring an embossing machine would give us the opportunity to attach essential information to trees, thereby providing greater value for staff, researchers, and the community, and helping us meet our mission and vision.
Gifts, Grants, and Contracts for September 2008

Non-Research

Hawaii- Health Organizations

Elam Sports Oahu
- UHM Advanced Athletic Training Graduate Assistantship Program - Elam Sports
- Iris F Kimura: Kinesiology and Leisure Science Department
  Advanced education and research internship experience: A Board of Certification Athletic Trainers will participate in clinical and research experiences in order to enhance the educational and research application of athletic training/sports medicine practice.

Kapiolani Medical Specialists
- UHM - Advanced Athletic Training Graduate Assistantship Program - Kapiolani Medical
- Iris F Kimura: Kinesiology and Leisure Science Department
  Advanced education and research internship experience: A Board of Certification Athletic Trainers will participate in clinical and research experiences in order to enhance the educational and research application of athletic training/sports medicine practice.

Hawaii- Non-Profit Organizations

Hawaii Assoc of Independent Schools
- Hawaii Educational Networking Consortium (HENC)
- David K Lassner: Department of Information Technology Management
  HENC serves to coordinate and advance education and research networks in the State of Hawaii.

Oahu Resource Conservation and Development
- Agribusiness Training Guidebook
- Charles M Kinoshita: College of Tropical Agriculture and Human Resources
  Consolidate available training information for farmers into a guidebook that covers basic agribusiness, financing, marketing, regulations, and agency services.

PAC 5
- UHM Advanced Athletic Training Graduate Assistantship Program - Pac 5
- Iris F Kimura: Kinesiology and Leisure Science Department
  Advanced education and research internship experience: A Board of Certification Athletic Trainer will participate in clinical and research experiences in order to enhance the educational and research application of athletic training/sports medicine practice.

PAC 5
- UHM Advanced Athletic Training Graduate Assistantship Program - Pac 5
- Iris F Kimura: Kinesiology and Leisure Science Department
  Advanced education and research internship experience: A Board of Certification Athletic Trainer will participate in clinical and research experiences in order to enhance the educational and research application of athletic training/sports medicine practice.
Gifts, Grants, and Contracts for September 2008

Non-Research

**Hawaii- Non-Profit Organizations**

- **Tri-Isle Resource Conservation & Development Council**
  - **Support for the Maui County Invasive Species Committee Project: Miconia Containment**
  - David C Duffy, Department of Botany
    - Prevent, control and eradicate the most serious invasive species threats in the county of Maui, focusing heavily on Miconia calvescens.

- **Univ of Hawaii Foundation**
  - **Hawaii War Records Depository**
    - Janet K Zastrow, Library
    - Hire a project archivist who will be responsible for the appraisal, arrangement, and intellectual description of approximately 224 linear feet of manuscripts, phonographs, discs, and microfilm in the HWRD Collection.

- **Capturing the Momentum: P3 Initiative**
  - April Housman, Ka Haka'Ula O Ke'Elilolani-UHH

- **Lyon Arboretum General Operating Account**
  - Christopher Dunn, Lyon Arboretum
    - To support the general operations of the Lyon Arboretum. Services provided include the maintenance of the facilities and grounds by student assistants, printing of newsletters and other publications, purchasing of field and office supplies, and other services that may be required.

- **Luce Foundation East Asian Archeology and Early History Initiative**
  - Miriam T Stark, Department of Anthropology
    - This agreement between University of Hawaii Foundation [via Luce Foundation] and University of Hawaii shall be initiated from UHF Account # 125-0030-4 to accommodate salary and fringe benefit expenses for University of Hawaii employee, Tianlong Jiao, whose job description is Assistant Professor (0.25% Asian Archeologist).

- **P-20 Expenditures**
  - Linda K Johnsrud, College of Education
    - To pay for salary and fringe cost for P-20 staff to provide event coordination support work and communicate with the partner organizations involved in the P-20 Initiative.

- **Lyon Arboretum Internship Program**
  - Christopher Dunn, Lyon Arboretum
    - To support the Lyon Arboretum Internship Program.

**Amounts**

- **$230,000**
- **$46,811**
- **$89,550**
- **$5,000**
- **$10,758**
- **$10,000**
- **$12,000**
Gifts, Grants, and Contracts for September 2008

Non-Research

Mainland- Business and Other

Space Telescope Science Institute $96,231

Directly Detecting and Analyzing the First Self-Luminous Exoplanets Around Sunlike Stars
Michael C Liu Institute for Astronomy
Directly measuring colors, spectra, and luminosities will provide direct constraints on the temperatures and compositions of these objects, as well as clearly testing model predictions.

Mainland- Health Organizations

American Heart Association $2,000

Student Scholarship in Cardiovascular Disease & Stroke
Ralph Victor Shohet Department of Medicine
Student Scholarship in Cardiovascular Disease & Stroke.

Mainland- Non-Profit Organizations

American Society for Engineering Education $21,910

SMART Defense Scholarship for Thomas Ryan Swindle
Joshua E Barnes Institute for Astronomy
The SMART Program pays full tuition and mandatory fees for Thomas Ryan Swindle, made on behalf of the Department of Defense (DoD) by the American Society for Engineering Education (ASEE).

Haereticus Environmental Laboratory $3,840

Belize Rainy Season Samples
Gary Kent Ostrander Chancellor, University of Hawaii at Manoa
Analysis of Belize rainy season samples. Extraction of fish and conch samples, and analysis for target analytes using gas chromatography, mass spectrometry analysis.

Miscellaneous

Center for Tropical and Subtropical Aquaculture (CTSA) $8,500
Pacific Regional Aquaculture Information Service for Education (PRAISE) and Publications, Year 1--Publications Components
Andrew G Hashimoto College of Tropical Agriculture and Human Resources
Supply educators, industry members, and other key individuals in Hawaii and the American Insular Pacific with timely and relevant information, using the Internet, traditional print formats, and other media. Update this aquaculture community on the progress of projects supported by CTSA and other Regional Aquaculture Centers. Deliverables include a quarterly newsletter.

International Union of Nutritional Sciences $1,000

Financial Duties for the International Union of Nutritional Sciences (IUNS)
Laurence N Kolonel Cancer Research Center
Send annual dues notices to approximately 80 countries that are Adhering Bodies (ABs) of IUNS; Receive & deposit dies from ABs and sent receipts; Communicate as needed with ABs regarding overdue dues; Disperse funds as directed by Treasurer (Dr. S. Murphy); Maintain accurate financial records for UIUNS & provide a final report of expenditures.
Gifts, Grants, and Contracts for September 2008

Non-Research

National Aeronautics and Space Administration

National Aeronautics & Space Administration

Connecting and Constraining Data-Driven Solar Atmosphere Models Through Observations: Studying EUV Emission in Realistic Flare-CME Environments -
Ilia I Roussev Institute for Astronomy
This project aims to include the important physics of Extreme Ultraviolet emission into a global 3D model of the solar atmosphere. This improved model will be used to best constrain observable properties of the corona as well as initiation mechanisms and subsequent evolution of solar flares and Coronal Mass Ejections.

National Aeronautics & Space Administration

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 Aeronautics & Space Administration

The Hawaii NASA EPSCoR Program: Educating the New NASA Workforce
Luke Paul Flynn Hawaii Institute of Geophysics and Planetology
This proposal details workforce development activities that will result in training for students, faculty, and staff working with the Hawaii Space Flight Lab.

National Aeronautics & Space Administration

Thermal Histories of Small Bodies in the Solar System
Eric J. Gaidos Department of Geology and Geophysics
This is an observational and theoretical project to investigate the thermal processes that affected planet-building material in the early Solar System.

National Science Foundation

National Science Foundation

FIRE UP (Faculty Integration, Research, and Engagement in Urban Polynesia)
Leon Richards Chancellor, Kapiolani Community College
Project funds will support the training and professional development of 20 Science, Technology, Engineering, and Math faculty and the integration of pedagogical innovations into the STEM program as it is institutionalized at KCC.

National Science Foundation

University of Hawaii Ship Operation 2005-2009
Brian Taylor Department of Geology and Geophysics
Continuation of NSF-Funded Operations of R/V Kilo Moana.

National Science Foundation

Pacific Ocean Literacy for Youth, Publics, Professionals and Scientists (POLYPPS)
Patricia A Cooper School of Ocean and Earth Science and Technology
Training educators and scientists to effectively communicate ocean sciences to a multi-ethnic population expressing a range of cultural contexts. POLYPPS is a collaboration whose partners include universities, community colleges, research institutes, professional societies, aquariums, museums, community organizations, government agencies and private companies.
Gifts, Grants, and Contracts for September 2008

Non-Research

US Colleges and Universities

University of Southern California
  Probability Elicitation BMI Bioterrorism
  Stephen C Hora
  College of Business and Econ-UHH

Utah State University
  Hawaii Natural Farming Swine Tour
  Michael W Duponte
  Department of Human Nutrition, Food and Animal Sciences
  Swine farm and feed processing plant tour.

Subcount: 105  Subtotal: $19,302,621
Count: 241  Total: $52,607,662
Funds Received from UH Foundation for 09/01/2008 - 09/30/2008

Non-Research

Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation $5,000
"Lyon Arboretum General Operating Account"
Dunn, Christopher Lyon Aboretum
To support the general operations of the Lyon Arboretum. Services provided include the maintenance of the facilities and grounds by student assistants, printing of newsletters and other publications, purchasing of field and office supplies, and other services that may be required.

Univ of Hawaii Foundation $12,000
"Lyon Arboretum Internship Program"
Dunn, Christopher Lyon Aboretum
To support the Lyon Arboretum Internship Program.

Univ of Hawaii Foundation $89,550
"Capturing the Momentum: P3 Initiative"
Housman, April Ka Haka'Ula O Ke'Elikolani-UHH

Univ of Hawaii Foundation $10,000
"P-20 Expenditures"
Johnsrud, Linda K College of Education
To pay for salary and fringe cost for P-20 staff to provide event coordination support work and communicate with the partner organizations involved in the P-20 Initiative.

Univ of Hawaii Foundation $10,758
"Luce Foundation East Asian Archeology and Early History Initiative"
Stark, Miriam T Department of Anthropology
This agreement between University of Hawaii Foundation [via Luce Foundation] and University of Hawaii shall be initiated from UHF Account # 125-0030-4 to accommodate salary and fringe benefit expenses for University of Hawaii employee, Tianlong Jiao, whose job description is Assistant Professor (0.25% Asian Archaeologist).

Univ of Hawaii Foundation $46,811
"Hawaii War Records Depository"
Zastrow, Janet K Library
Hire a project archivist who will be responsible for the appraisal, arrangement, and intellectual description of approximately 224 linear feet of manuscripts, phonographs, discs, and microfilm in the HWRD Collection.

Research

Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation $38,533
"Human Papillomavirus (HPV) Infection and Barriers to Cervical Cancer control in American Samoa"
Hernandez, Brenda Y Cancer Research Center
The Specific Aims of this pilot project are to determine the feasibility of conducting a survey on the prevalence of cervical HPV infection among females 18+ in American Samoa, and to develop and pilot a KAP (knowledge, attitudes, practices) survey in English and Samoan languages to evaluate
Funds Received from UH Foundation for 09/01/2008 - 09/30/2008

Research

Hawaii- Non-Profit Organizations

effectiveness of HPV vaccination and Pap smear screening in American Samoa.

Count: 7
Total: $212,652
Extramural Research Awards
for the Month of
September 2008
Distribution by Sponsors

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<th>AMOUNT</th>
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<td>DA-Dept of Agriculture</td>
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<tr>
<td>DHHS-Dept of Health and Human Services</td>
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<tr>
<td>DOC-Dept of Commerce</td>
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<td>DOD-Department of Defense</td>
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<td>DOI-Dept of Interior</td>
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<td>Hawaii- Government Agencies</td>
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<td>Hawaii- Health Organizations</td>
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<tr>
<td>Hawaii- Non-Profit Organizations</td>
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<tr>
<td>Mainland- Business and Other</td>
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<td>Mainland- Non-Profit Organizations</td>
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<tr>
<td>National Aeronautics and Space Administration</td>
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<td>National Science Foundation</td>
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<td>US Colleges and Universities</td>
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<td><strong>136</strong></td>
<td><strong>$33,305,041</strong></td>
<td><strong>100%</strong></td>
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Extramural Non-Research Awards
for the Month of
September 2008
Distribution by Sponsors

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<th>PERCENT</th>
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<td>$96,231</td>
<td>0.50%</td>
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<td>Mainland- Health Organizations</td>
<td>1</td>
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<td>0.01%</td>
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<tr>
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<td>2</td>
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<td>Miscellaneous</td>
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<tr>
<td>National Aeronautics and Space Administration</td>
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<td>US Colleges and Universities</td>
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<td><strong>Total:</strong></td>
<td><strong>105</strong></td>
<td><strong>$19,302,621</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
## Extramural Research Awards
### Year to Date: 07/01/08 - 09/30/08

**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>50</td>
<td>$5,549,852</td>
<td>6.65%</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>41</td>
<td>$22,445,786</td>
<td>26.91%</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>45</td>
<td>$18,926,059</td>
<td>22.69%</td>
</tr>
<tr>
<td>DOD-Department of Defense</td>
<td>12</td>
<td>$3,403,500</td>
<td>4.08%</td>
</tr>
<tr>
<td>DOE-Dept of Energy</td>
<td>8</td>
<td>$1,465,021</td>
<td>1.76%</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>21</td>
<td>$2,202,155</td>
<td>2.64%</td>
</tr>
<tr>
<td>Foreign</td>
<td>4</td>
<td>$2,458,114</td>
<td>2.95%</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
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<td>$578,425</td>
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</tr>
<tr>
<td>Hawaii- Government Agencies</td>
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<td>$5,318,948</td>
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<tr>
<td>Hawaii- Health Organizations</td>
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<tr>
<td>Hawaii- Non-Profit Organizations</td>
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</tr>
<tr>
<td>Mainland- Associations, Foundations, Societies, etc.</td>
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</tr>
<tr>
<td>Mainland- Business and Other</td>
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<tr>
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<tr>
<td>Mainland- Non-Profit Organizations</td>
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<td>National Aeronautics and Space Administration</td>
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<td>$2,551,027</td>
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<tr>
<td>National Science Foundation</td>
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<tr>
<td><strong>Total:</strong></td>
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<td><strong>$83,399,073</strong></td>
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</tbody>
</table>
# Extramural Non-Research Awards

**Year to Date: 07/01/08 - 09/30/08**  
**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>9</td>
<td>$2,728,051</td>
<td>4.42%</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
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<td>$3,412,101</td>
<td>5.52%</td>
</tr>
<tr>
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<td>$406,211</td>
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<tr>
<td>DOD-Department of Defense</td>
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<td>$1,058,889</td>
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</tr>
<tr>
<td>DOI-Dept of Interior</td>
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<td>$1,008,193</td>
<td>1.63%</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
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<td>$25,630,108</td>
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</tr>
<tr>
<td>Federal Agencies</td>
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<tr>
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<tr>
<td>Hawaii- Business and Other</td>
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</tr>
<tr>
<td>Hawaii- Government Agencies</td>
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<tr>
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<tr>
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<tr>
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<tr>
<td>Miscellaneous</td>
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<tr>
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<tr>
<td>US Colleges and Universities</td>
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<tr>
<td><strong>Total:</strong></td>
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<td><strong>100%</strong></td>
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</tbody>
</table>