

Gifts, Grants, and Contracts for November 2008

The following gifts, grants and contracts received by all campuses during the period November 1, 2008 through November 30, 2008 total \$28,990,381.

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

Research

DA-Dept of Agriculture

Department of Agriculture	\$35,000
<u>High Resolution Fire Weather Forecasts for Hawaii</u>	
Yi-Leng Chen	Department of Meteorology
This amendment continues work toward the long-term objective of providing high resolution weather modeling support for fire management applications in Hawaii. This work will be done in collaboration with NOAA NWS efforts to apply high resolution weather forecasting for risk assessment of natural disasters such as wildfire in Hawaii.	
Department of Agriculture	\$233,103
<u>Collaborative Effort: Aquaculture and Livestock</u>	
William Steiner	College of Agriculture, Forestry-UHH
Examine the feasibility of developing specific goat breeds and hybrid Australian Milling Zebu cattle (Phase I)	

DHHS-Dept of Health and Human Services

National Center on Minority Health and Health Disparities/NIH/DHHS	\$416,651
<u>Culturally Competent Telemedicine for Type 2 Diabetes in Native & Pacific Peoples</u>	
Marjorie K H Mau	Department of Native Hawaiian Health
The proposed administrative supplement seeks to develop and test a culturally competent telemedicine model of chronic disease management for type 2 diabetes in rural, medically underserved Native and Pacific communities.	
National Institute of Child Health and Human Development/NIH/DHHS	\$1,000,000
<u>National Children's Study University of Hawaii Study Center - Honolulu County</u>	
Lynnae K Millar	Department of Obstetrics, Gynecology, and Women's Health
Our objective is to be part of the National Children's Study (NCS) and contribute to the planned cohort study examining the effects of environmental influences on the health and development of approximately 100,000 children.	
National Institute of Diabetes and Digestive and Kidney Diseases/NIH/DHHS	\$203,448
<u>Nutritional Risk Factors for Type 2 Diabetes in the Multiethnic Cohort</u>	
Gertraud Maskarinec	Cancer Research Center
Link the Multiethnic Cohort with a list of identified diabetes patients from the 2 major insures in Hawaii. Determine the prevalence and incidence of diabetes among Caucasians, Japanese, and Native Hawaiians in the linked dataset. Evaluate the association of overweight, obesity, weight change since 21, and physical activity with the occurrence of diabetes by ethnic groups.	
National Institutes of Health/DHHS	\$579,743
<u>Malarial Immunity in Pregnant Cameroonian Women</u>	
Diane W. Taylor	Dept of Trop Med, Medical Microbiology and Pharmacology
The study evaluates the influence of an antimalarial drug on the immune response of pregnant Cameroonian women to malaria. Specifically, it will determine if treatment decreases immunity that aids in eliminating parasite from the placenta, pathology associated with low birthweight babies, and alters immunity to malaria in babies.	
National Institutes of Health/DHHS	\$170,392
<u>Neurodevelopment of Methamphetamine Exposure of Children</u>	
Donald C Derauf	Department of Pediatrics
The mentored patient oriented research career development award will allow Dr. Derauf protected time and	

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Research

DHHS-Dept of Health and Human Services

support to develop the expertise needed to transition his career from one primarily focused on clinical service, teaching and administration to one focused on independent research and clinical program development.

National Institutes of Health/DHHS	\$768,629
<u>Enhancement of Research Infrastructure at UH Hilo (RIMI)</u>	
Rose Tseng	Chancellor, University of Hawaii at Hilo-UHH

DOD-Department of Defense

DOD-Advanced Research Project Agency	\$27
<u>Evaluation of Hyles lineata and Daphnis neril Sphinx Moths as Model Organisms for Hybrid Insect MEMS Technology</u>	
Daniel Z Rubinoff	Department of Plant and Environmental Protection Sciences
Develop and evaluate three insect species as MEMS hybrid models.	

DOD-Center for Excellence - DMHA	\$69,948
<u>Disaster Management Graduate Certificate Course - Responsive Quotation</u>	
Karl E Kim	Department of Urban and Regional Planning
To work on disaster management certificate program to include migration of the International Committee of the Red Cross Health Emergencies in Large Populations (HELP) course curriculum into the university academic offerings.	

DOD-US Army Medical Research & Material Command	-\$33
<u>Bioterrorism Preparedness Infectious Disease</u>	
Lawrence P A Burgess	John A. Burns School of Medicine
Provide education and training in support of the Asia-Pacific Military Medical Conference, Hanoi, Vietnam, 9-13 May 2005.	

Department of the Air Force	\$29,116
<u>Operations and Management of the Maui High Performance Computing Center</u>	
David K Lassner	Information Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercoming Center.	

Department of the Air Force	\$31,694
<u>Operations and Management of the Maui High Performance Computing Center</u>	
David K Lassner	Information Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercoming Center.	

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DOD-Department of Defense

Office of Naval Research \$85,500
Enhanced Tactical Fuel Design: Fundamental Combustion Studies of Boron Nanoparticle Multi-component Fuel (University of Hawaii Component)
 Stephen M Masutani Hawaii Natural Energy Institute
 Investigation of the combustion characteristics of a slurry comprising a mixture of a liquid fuel and coated boron nanoparticles to enhance energy content.

DOE-Dept of Energy

Department of Energy \$220,000
Hydrogen Fuel Contaminant Studies for PEM Fuel Cells
 Richard E Rocheleau Hawaii Natural Energy Institute
 Testing and analysis to characterize the effect of low level contaminants on PEM fuel cells.

Foreign

Bio-ON \$389,161
PHA Bioplastics Production from Sugar Manufacturing Residues
 Jian Yu Hawaii Natural Energy Institute
 Design of a pre-industrial scale pilot-plant for technology commercialization including optimization of process conditions

Japan Ecologia Co.Ltd \$3,030
Antifouling testing of new coatings
 Michael G Hadfield Pacific Biosciences Research Center
 Analysis of coated slides provided by Japan Ecologia to determine the percent of *Hydroides elegans* larvae that settle on the slide; conduct experiments to determine forces necessary to dislodge the settled worms

Hawaii- Business and Other

BioEco Tek - Hawaii \$50,000
Research Pathways for Microalgal Processing
 Michael J Cooney Hawaii Natural Energy Institute
 Develop energy, water and cost affordable technologies to process microalgal biomass into renewable fuels

HR Biopetroleum \$73,170
Pre-Screening of Algal Strains for Optimal Biomass and Lipid Potential: Selection of Viable Candidates for High-Throughput Screening
 Zackary I Johnson Department of Oceanography
 Review and selection of candidate species of algal strains with the greatest potential for high biomass and lipid production

HR Biopetroleum \$1,441,104
High-Throughput Screening (HTS) of Algal Strains for Optimal Biomass and Lipid Production
 Zackary I Johnson Department of Oceanography
 High-throughput screening of preselected algal strains for commercial lipid production

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Research

Hawaii- Government Agencies

Hawaii Invasive Species Council	\$69,728
<u>An Early Detection System for Invasive Species: Development and Proof-of-Concept of a Taxonomic Microarray</u>	
Robert J Toonen	Hawaii Institute of Marine Biology
Proof-of-concept on developing a taxonomic DNA chip for the early detection of invasive species entering Hawaii via maritime vessel traffic.	
Hawaii Invasive Species Council	\$36,049
<u>Evaluating Impact of Puccinia Psidii Rust Strains on Ohi`a</u>	
Janice Y Uchida	Department of Plant and Environmental Protection Sciences
Collect rust samples from various host plants in the Myrtaceae family. Conduct molecular analysis of samples to determine the number of species present in the Hawaii population.	
Hawaii-Dept of Health	-\$41,416
<u>ADAD Statewide School Complex Treatment Evaluation</u>	
Deborah A Goebert	Department of Psychiatry
Conduct a statewide school complex treatment evaluation for the Department of Health, Alcohol and Drug Abuse Division.	
Hawaii-Dept of Health	\$41,416
<u>ADAD Statewide School Complex Treatment Evaluation</u>	
Deborah A Goebert	Department of Psychiatry
Conduct a statewide school complex treatment evaluation for the Department of Health, Alcohol and Drug Abuse Division.	
Hawaii-Dept of Health	\$109,811
<u>ADAD Statewide School Complex Treatment Evaluation</u>	
Deborah A Goebert	Department of Psychiatry
Conduct a statewide school complex treatment evaluation for the Department of Health, Alcohol and Drug Abuse Division.	
Hawaii-Dept of Land & Natural Resources	\$100,000
<u>Coastal Lands Data Program</u>	
Charles H Fletcher	Department of Geology and Geophysics
Provide for development, management and dissemination of coastal data and research products for the DLNR Office of Conservation and Coastal lands as outlined in the memorandum of agreement to help it in its efforts to protect and conserve beaches and dunes for present and future generations.	
Hawaii-Dept of Land & Natural Resources	\$16,000
<u>Database: Pacific Weed Risk Assessment</u>	
Sharon Ziegler-Chong	Pacific Aquaculture-UHH
Hawaii-Dept of Land & Natural Resources	\$270,385
<u>Kauai Endangered Seabird Conservation Research and Management</u>	
David C Duffy	Department of Botany
Conduct research on the populations of endangered Kauai seabirds and make recommendations for conservation strategies.	

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Research

Hawaii- Government Agencies

Hawaii-Dept of Land & Natural Resources	\$9,531
<u>Threatened & Endangered Species Recovery: Kauai: 2008 Supplement</u>	
David C Duffy	Department of Botany
Conduct applied field research to promote recovery of Kauai's threatened and endangered species.	
Hawaii-Dept of Land & Natural Resources	\$493,076
<u>Detection and Control of Invasive Species on the Island of Hawaii</u>	
David C Duffy	Department of Botany
Continue Big Island Invasive Species Committee's efforts to contain damaging invasive species on the Big Island.	
Hawaii-Dept of Land & Natural Resources	\$75,000
<u>Maui Invasive Species Committee: Coqui Frogs: Overcoming Site Limitations</u>	
David C Duffy	Department of Botany
Conduct citric acid sprays on 10 coqui frog-infested test sites in the Maliko Gulch on Maui, and measure changes to frog population density.	
Hawaii-Dept of Land & Natural Resources	\$9,495
<u>Technical Support for Miconia Studies</u>	
David C Duffy	Department of Botany
Conduct comparative research Miconia's collateral effects on the environment in Tahiti and Hawaii.	
Hawaii-Dept of Land & Natural Resources	\$348,106
<u>Protection of Core Watershed Forests of Southern Haleakala</u>	
Clifford W Morden	Department of Botany
Conduct restoration and management-based research in the watershed forests on Southern Haleakala.	
Hawaii-Dept of Land & Natural Resources	\$50,000
<u>Detection and Control of Invasive Species in Wao Kele o Puna on the Island of Hawaii</u>	
David C Duffy	Department of Botany
Survey and control invasive species in the forest reserve of Wao Kele o Puna on the island of Hawaii.	
Hawaii-Dept of Transportation	\$24,237
<u>Five Year Monitoring of Corrosion Field Specimens</u>	
Ian N Robertson	Department of Civil and Environmental Engineering
This project involves monitoring the performance of reinforcing steel in concrete panels exposed to marine environments. Various corrosion inhibiting measures will be evaluated.	

Hawaii- Health Organizations

Kuakini Medical Cntr	\$75,389
<u>Kuakini Medical Center Subaward for Research Grant: Epidemiology of Brain Aging in the Very Old, NIH Grant No: 2UCAC019349-06A1</u>	
Elizabeth K Tam	Department of Medicine
Dr. McMurtray will be performing neurological examinations of cohort members on the "Epidemiology of Brain Aging in the Very Old" Project.	

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Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation	\$4,600
<u>Collaborative Software Development Laboratory Fund</u>	
Philip M Johnson	Department of Information and Computer Sciences
Perform research on automated software engineering process and product collection, analysis, interpretation, and dissemination using the Hackstat Framework.	
Univ of Hawaii Foundation	\$112,000
<u>W.M. Keck Research Center in Astrochemistry at UHM</u>	
Ralf Ingo Kaiser	Department of Chemistry
To set up a laboratory in astrochemistry.	
Univ of Hawaii Foundation	\$4,370
<u>Japanese Language Socialization in Homestay Context</u>	
Haruko Minegishi Cook	Department of East Asian Languages and Literatures
Transcriptions of video-recorded conversations between learners of Japanese and their host families.	

Mainland- Business and Other

Algenol Biofuels, Inc.	\$303,340
<u>Collaborative Services Plan: Cyanobacteria for Commercial Ethanol Production</u>	
Charles O'Kelly	Department of Botany
Screen the 2000-plus cyanobacteria collection of the Hawaii Microbial Culture Center for (a) strains that are promising for use in ethanol production, and (b) strains with physiological characteristics that may enhance the productivity of strains used in commercial ethanol production	
Allergan Inc	\$450,000
<u>Biophysical Studies on Botulinum Neurotoxin based on Fluorescence Correlation Spectroscopy</u>	
David M Jameson	Dept Anatomy, Biochemistry, Physiology and Reproductive Biol
Biophysical characterization of the botulinum toxin protein using advanced fluorescence methods	
American Biodiesel	\$36,286
<u>Efficient Processing of Algal Bio-oils for Biodiesel Production</u>	
Michael J Cooney	Department of Ocean and Resources Engineering
Evaluation of new processes to produce biodiesel from microalgal lipids to determine an energy-efficient process microalgae grown on sugar waste	
Cellana LLC	\$430,251
<u>Pre-Screening of Algal Strains for Optimal Biomass and Lipid Potential: Selection of Viable Candidates for High-Throughput Screening</u>	
Zackary I Johnson	Department of Oceanography
Review and selection of candidate species of algal strains with the greatest potential for high biomass and lipid production	

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Mainland- Health Organizations

Women & Infants Hospital of Rhode Island \$289,588
Prenatal Methamphetamine Exposure and School Aged Outcome (IDEAL II)
 Donald C Derauf Department of Pediatrics
 The major goal of this project is to study the effects of prenatal methamphetamine exposure on child outcomes.

Mainland- Non-Profit Organizations

Kellogg (W. K.) Foundation \$375,000
KLCC Longitudinal Evaluation
 Maenette KP Benham Hawai'inuiakea School of Hawaiian Knowledge
 The Kellogg Leadership for Community Change series provides a unique opportunity to assess how a group leadership development experience can contribute to improving conditions in communities.

National Urban and Community Forestry Advisory Council \$112,577
Beyond the Tropical and the Quaint: People's Psychophysiological Responses to the Urban Forest
 Andrew J Kaufman College of Tropical Agriculture and Human Resources
 This project's purpose is to increase our understanding of the psychological benefits of trees using psychophysiological measures to reveal positive and negative relationships between people and the urban forest. Results will be targeted for educational programs, and assisting policy makers and developers attitudes about the importance of the urban forest.

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$101,005
Investing Midlatitude Ocean and Climate Dynamics using Satellite Altimetry and Modeling Analysis
 Bo Qiu Department of Oceanography
 Characterize and understand the nature and causes of the large-scale fluctuations in the midlatitude North and South Pacific Oceans on time scales from interannual to decadal.

National Aeronautics & Space Administration \$119,771
Dynamics of Anisotropic Mean and Time-varying Structures of Ocean Circulation
 Nikolai A Maximenko Department of Oceanography
 Satellite data, in situ observations, and outputs of advanced numerical models will be used jointly to study the dynamics of anisotropic mesoscale stationary and propagating jet-like structures recently discovered in the upper ocean.

National Aeronautics & Space Administration \$400,000
Origin and Evolution of the Solar System Through the Study of Extraterrestrial Materials
 Klaus Keil Hawaii Institute of Geophysics and Planetology
 Study of extraterrestrial materials such as meteorites from asteroids, Moon and Mars and returned lunar samples to understand the history of solid materials in the first few million years of Solar System history, and the formation of planetesimals, asteroids and planets.

National Aeronautics & Space Administration \$97,255
Using the Near-Sun Neutral Helium to Probe the Corona
 Elena Moise Institute for Astronomy
 Cool neutral Helium (He I) is being observed near the Sun. Sensitive IR spectropolarimetry data using an off-axis

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National Aeronautics and Space Administration

reflecting coronagraph (SOLARC) from Haleakala reveal scattered photospheric light at 1083nm from HE I far above the solar limb. This project will support extended analysis and interpretation of this transient coronal constituent.

National Aeronautics & Space Administration \$311,700

ANITA: Antarctic Impulsive Transient Antenna

Peter W Gorham Department of Physics and Astronomy

To fly a long duration balloon mission to address the question of the nature and origin of the highest energy cosmic rays, and the ultimate limits of energy in the universe.

National Science Foundation

National Science Foundation \$123,416

CAREER: Crystallization Kinetics in Volcanology

Julia Eve Hammer Department of Geology and Geophysics

Experimental study of crystal nucleation, growth, and textural evolution in silicate magma.

National Science Foundation \$83,695

Collaborative Research: Hawaiian Plume Heterogeneity Revealed by Kilauea's Ongoing Eruption, Prehistoric Lavas and Olivine-hosted Melt Inclusions

Michael O Garcia Department of Geology and Geophysics

To analyze historical lavas from Kilauea volcano to evaluate the heterogeneity and melting processes in the Hawaiian plume.

National Science Foundation \$33,106

Graduate Research Fellowship Program

Rose Tseng Chancellor, University of Hawaii at Hilo-UHH

National Science Foundation \$139,190

NSWP: Tomographic Reconstruction of the 3-D Coronal Magnetic Field from Space- and Ground-Based Intensity and Polarimetry Data

Haosheng Lin Institute for Astronomy

A direct observational study of the 3-D magnetic field structure of the solar corona with the development of scalar and vector tomography tools for the reconstruction of the 3-D coronal magnetic field structure.

National Science Foundation \$2,687

CAREER: Bridging Modern Computational Capabilities and Observations of Solar Magnetic Fields with Expanding Solar Physics Education at the University of Hawaii

Ilia I Roussev Institute for Astronomy

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Research

National Science Foundation

National Science Foundation \$47,800

Collaborative Research: Eclipse Observations of Heavy Ions, Neutrals and Dust Grains in the Solar Corona

Shadia R Habbal Institute for Astronomy

Observations of the total solar eclipses in 2008, 2009, and 2010 will study the coronal magnetic field and the underlying physical processes shaping the solar corona. The resulting data should provide powerful diagnostic tools for the exploring the physics of the corona and the acceleration region of the solar wind.

National Science Foundation \$232,673

CAREER: Bridging Modern Computational Capabilities and Observations of Solar Magnetic Fields with Expanding Solar Physics Education at the University of Hawaii

Ilia I Roussev Institute for Astronomy

We propose to combine recent theories and modern computational capabilities with advanced magnetic observations at the Sun's visible surface to improve present knowledge of coronal magnetic fields in coordination with existing observational solar research.

US Colleges and Universities

Hawaii Pacific University \$45,400

Ecological Factors and Drug Use of Native Hawaiian Youth

Susana Helm Department of Psychiatry

Examine the ecological risk and protective factors relevant to youth of Hawaiian ancestry in Hawaii.

Johns Hopkins University \$27,587

Modifying the Food Environment to Prevent Obesity Among Low Income Urban African American Children by Working in Food Stores, Schools and Community

Sangita Sharma Cancer Research Center

To develop, implement and evaluate a food and store based intervention program aimed to improve food consumption and reduce risk of obesity in African American children.

Johns Hopkins University \$32,225

Sustaining and Scaling Up a Successful Food-Store Based Program to Improve Diet and Reduce Risk for Obesity and Other Chronic Disease in Amer. Indians

Sangita Sharma Cancer Research Center

Develop and analyze a food frequency questionnaire to assess food and nutrient intake for the Navajo and Apache tribes in Arizona.

Northeastern University \$60,608

Endocannabinoid Active Sites as Therapeutic Targets

Marcus A Tius Department of Chemistry

Preparation through chemical synthesis of a series of organic small molecules to use as probes for biological function.

University of Arizona \$82,025

Vegetation Phenology and Vegetation Index Products from Multiple Missions and Satellite Sensors

Tomoaki Miura Department of Natural Resources and Environmental Management

Characterize the potential impacts of spectral bandpass differences across multi-sensors (AVHRR, MODIS, and VEGETATION) on the derived phenology and EVI/EVI-2 products, and derive spectral transformation equations accompanied with associated uncertainties. Assemble and stage 1 km daily MODIS data and limited sets of daily

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Non-Research

ED-Dept of Education

ED-Dept of Education	\$250,000
<u>Upward Bound Rural Program</u>	
Leonard Woods	Vice Chancellor for Student Affairs-UHH
Matriculation of high school seniors from selected high schools to enter post secondary institutions	
ED-Dept of Education	\$132,402
<u>Creating Purposeful and Sustainable Pathways in Student Services, Professional Development, and 21st Century Career Programs for Improved Student;</u>	
Leon Richards	Chancellor, Kapiolani Community College
Kapiolani Community College's goal in this Title III undertaking is to create three learning support pathways across the First-Year and Second-Year Experience, and into transforming marketplace, to support greater academic and career achievements for Native Hawaiian and other pathways students.	
ED-Dept of Education	\$92,000
<u>Pacific Project for Children and Young Adults Who are Deaf-blind</u>	
Kelly D Roberts	Center on Disability Studies
Provide Technical Assistance and Training to service providers, families, and youth throughout the Pacific Jurisdictions - associated with Deaf-Blindness.	

Federal Agencies

Department of Justice	\$226,106
<u>Hawaii Innocence Project</u>	
Aviam Soifer	William Richardson School of Law
Provide legal assistance, free of charge, to prisoners who have credible claim of actual innocence of the crime(s) for which they are imprisoned.	
General Services Administration	\$229,102
<u>University of Hawaii Participation in PEPFAR HIV/AIDS/STI Peer Education Program for the Vietnamese Military</u>	
Cathy Nguyen	Department of Medicine
To support and scale up HIV/AIDS/STI prevention and peer education activities targeting the Vietnamese military.	
General Services Administration	\$597,574
<u>University of Hawaii Participation in PEPFAR Prevention and System Strengthening Programs, for Vietnamese Military</u>	
Cathy Nguyen	Department of Medicine
To support peer-based prevention activities targeting the Vietnamese military, and to foster an environment for progressive HIV/AIDS policies within the Vietnamese military.	
Peace Corps	\$2,990
<u>Collaboration for Peace Corps Recruiting Activities at the University of Hawaii Campuses</u>	
Rosemary Casey	College of Education
Provide continuous local recruitment activities to students/faculty/staff at the UH's 10 campuses with the goal of increasing the number of applications sent to the U.S. Peace Corps San Francisco Regional Office from UH and by Hawaii residents.	

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Non-Research

Foreign

Endangered Language Documentation Programme	\$19,792
<u>Documentation of Inati, and Endangered Negrito Language of the Central Philippines</u>	
Kenneth L Rehg	College of Languages, Linguistics, and Literature
This project aims to create archive-quality audio and video recordings of Inati, an endangered Negri to language on Panay Island in the Philippines. Audio and video data will be recorded, transcribed, glossed, and translated for further analytical use. Survey work will also be done to identical dialect variation within Inati.	
Subaru Telescope	\$60,000
<u>HiCIAO Performance Evaluation with AO</u>	
Klaus W Hodapp	Institute for Astronomy
Fabricate interface module, install the interface in preparation of observing with the new instrumentation and evaluation of the performance of the instrumentation.	
The German Institute for Geosciences & Natural Resources	\$1,553,293
<u>RV Kilo Moana MANGAN 2009 Cruise</u>	
Brian Taylor	School of Ocean and Earth Science and Technology
Support for vessel operations on a 36-day research cruise on R/V Kilo Moana for German Federal Institute of Geosciences & Natural Resources.	

Hawaii- Business and Other

Alu Like	\$136,771
<u>Oihana, Native Hawaiian Career & Technical Education Project</u>	
Earl K Nishiguchi	Chancellor, Kauai Community College
The project will provide students internship opportunities and course work.	
Alu Like	\$190,464
<u>Native Hawaiian Digital Arts Project</u>	
Violet S Murakami	Chancellor, Hawaii Community College
The project proposes to teach digital arts courses to Native Hawaiian students for the recruitment, retention and completion of Native Hawaiian students into the DMA program at Hawaii CC.	
Alu Like	\$231,998
<u>Alu Like FY2009, Naative Hawaiian Career and Technical Education, Kulia Ma Kapiolani Project (Year 2).</u>	
Mona Lee	Chancellor, Kapiolani Community College
Offer a suite of culturally-based services to students that recruit, enroll, and support academic completion of career and technical education degrees and certificates. Partner with Castle High Schools Health Career Academy Project to create a clearly defined pathway from high school to college and to related employment in the career pathway.	
Hawaii Farm Bureau Federation	\$17,600
<u>2008 Hawaii Tea Educational Outreach Program</u>	
Stuart T Nakamoto	College of Tropical Agriculture and Human Resources
To conduct extension-outreach for Hawaii Tea Program.	

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Hawaii- Business and Other

Hawaiian Electric Co Inc \$749,157
Oahu Electrical System Analysis
 Richard E Rocheleau School of Architecture
 Collect data and perform preliminary analysis of the suitability of this data for future model (MAPS and PSLF models) development of the Oahu Electric Company (HECO) grid. These models will provide valuable insights.

Hawaii- Government Agencies

County of Hawaii \$10,000
Imiloa Marketing Program 2008-2009
 Rose Tseng Chancellor, University of Hawaii at Hilo-UHH
 Expand Imiloa's marketing capabilities and to build its base for tourists

DLNR-Division of Aquatic Resources \$37,500
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.

DLNR-Division of Aquatic Resources \$536
IYOR Maui Event: Invasion of the Reef Snatchers
 Michael P Hamnett Social Science Research Institute
 HCRI will be hosting a family outreach event at the Kaahumanu Shopping Center on Maui. The theme is invasion of the Reef Snatchers. The public will learn about Maui's special near shore ecosystems, things affecting the waters, and what they can do to become good stewards of the land and sea.

Hawaii-Dept of Education \$750,000
Providing Certified Speech Pathologist Professionals for the DOE
 Dorothy Craven Division of Speech Pathology and Audiology
 To expand the capacity of the Speech Pathology and Audiology program to provide appropriately educated and trained speech-language pathologists in Hawaii's schools.

Hawaii-Dept of Education \$185,120
P-20 Initiative Memorandum of Agreement with Hawaii Department of Education
 Linda K Johnsrud College of Education
 Facilitate, coordinate, implement and support the P-20 Strategic Plan through regional participation; marketing and communications; data analyses and technical assistance for schools to meet American Diploma Project-related activities; and operational and administrative support work.

Hawaii-Dept of Education \$370,000
UH Masters of Education in Teaching Program
 Joseph T Zilliox Department of Curriculum Studies
 To provide teaching interns for the Department of Education's Master's of Education in Teaching Program and in-service professional development and school renewal.

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Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation \$20,000

MANOA: A Pacific Journal of International Writing

R F Stewart Department of English

Support for production editor's position

Univ of Hawaii Foundation \$89,431

Kudo Chair of Law

Aviam Soifer William Richardson School of Law

Faculty Salary and Fringe Benefits - Kudo Chair of Law.

Mainland- Business and Other

Freeman Foundation \$196,000

Asian Medical Exchange and Outreach Program

Richard T Kasuya John A. Burns School of Medicine

Fostering development and innovation in medical schools in East Asia through exchange of faculty and students with training in medicine and educational methods.

Mainland- Non-Profit Organizations

Creative Interventions \$5,121

Program Evaluation of Creative Interventions, Oakland, CA

Valli Kanuha Department of Sociology

Assist in design and implementation of program evaluation for community-based alternative domestic and sexual violence project in Oakland, CA.

Miscellaneous

Center for Tropical and Subtropical Aquaculture (CTSA) \$25,000

Pacific Regional Aquaculture Information Service for Education (PRAISE)-Yr 21

Kristen L Anderson Library

Promote transfer of information within the Pacific aquaculture community including creating business and technical digitized collections, promoting communications, and ongoing information delivery services.

Subcount:	54	Subtotal:	\$11,211,783
Count:	<u>153</u>	Total:	<u>\$28,990,381</u>

Funds Received from UH Foundation for 11/01/2008 - 11/30/2008

Non-Research

Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation	\$55
"Center of Excellence in Geriatrics"	
Blanchette, Patricia	Department of Geriatric Medicine
To attract additional outstanding faculty to academic careers in Geriatric medicine and to facilitate in their career development.	
Univ of Hawaii Foundation	\$1,500
"International Auto/Biography Association 2008 Conference"	
Howes, Craig	College of Languages, Linguistics, and Literature
Support June 2008 International Auto/Biography Association conference.	
Univ of Hawaii Foundation	\$89,431
"Kudo Chair of Law"	
Soifer, Aviam	William Richardson School of Law
Faculty Salary and Fringe Benefits - Kudo Chair of Law.	
Univ of Hawaii Foundation	\$55,219
"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 Archeologist).	
Univ of Hawaii Foundation	\$20,000
"MANOA: A Pacific Journal of International Writing"	
Stewart, R F	Department of English
Support for production editor's position	

Research

Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation	\$4,370
"Japanese Language Socialization in Homestay Context"	
Cook, Haruko Minegishi	Department of East Asian Languages and Literatures
Transcriptions of video-recorded conversations between learners of Japanese and their host families.	
Univ of Hawaii Foundation	\$5,000
"The Primal Quest"	
Herman, Louis G	Chancellor, University of Hawaii at West Oahu
Salary of lecturer replacement for Louis Herman to continue work on his Primal Quest book, manuscript, and multimedia project. Money received from Doran Foundation.	

**Extramural Research Awards
for the Month of
November 2008
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	2	\$268,103	1.51%
DHHS-Dept of Health and Human Services	6	\$3,138,863	17.66%
DOD-Department of Defense	6	\$216,252	1.22%
DOE-Dept of Energy	1	\$220,000	1.24%
Foreign	2	\$392,191	2.21%
Hawaii- Business and Other	10	\$2,524,176	14.20%
Hawaii- Government Agencies	16	\$1,616,418	9.09%
Hawaii- Health Organizations	5	\$250,347	1.41%
Hawaii- Non-Profit Organizations	6	\$235,300	1.32%
Mainland- Business and Other	19	\$5,428,762	30.54%
Mainland- Health Organizations	1	\$289,588	1.63%
Mainland- Non-Profit Organizations	2	\$487,577	2.74%
National Aeronautics and Space Administration	5	\$1,029,731	5.79%
National Science Foundation	7	\$662,567	3.73%
US Colleges and Universities	11	\$1,018,723	5.73%
Total:	<u>99</u>	<u>\$17,778,598</u>	<u>100%</u>

**Extramural Non-Research Awards
for the Month of
November 2008
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	1	\$714,836	6.38%
DHHS-Dept of Health and Human Services	6	\$1,944,457	17.34%
DOD-Department of Defense	3	\$203,466	1.81%
DOI-Dept of Interior	1	\$43,946	0.39%
ED-Dept of Education	6	\$1,089,794	9.72%
Federal Agencies	4	\$1,055,772	9.42%
Foreign	3	\$1,633,085	14.57%
Hawaii- Business and Other	5	\$1,325,990	11.83%
Hawaii- Government Agencies	10	\$1,535,609	13.70%
Hawaii- Health Organizations	7	\$1,272,502	11.35%
Hawaii- Non-Profit Organizations	5	\$166,205	1.48%
Mainland- Business and Other	1	\$196,000	1.75%
Mainland- Non-Profit Organizations	1	\$5,121	0.05%
Miscellaneous	1	\$25,000	0.22%
Total:	<u>54</u>	<u>\$11,211,783</u>	<u>100%</u>

**Extramural Research Awards
Year to Date: 07/01/08 - 11/30/08
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	59	\$6,706,781	5.45%
DHHS-Dept of Health and Human Services	60	\$36,924,945	29.99%
DOC-Dept of Commerce	45	\$19,100,758	15.52%
DOD-Department of Defense	28	\$6,054,132	4.92%
DOE-Dept of Energy	9	\$1,685,021	1.37%
DOI-Dept of Interior	24	\$2,385,595	1.94%
Federal Agencies	3	\$2,345,277	1.91%
Foreign	8	\$2,972,174	2.41%
Hawaii- Business and Other	20	\$3,169,190	2.57%
Hawaii- Government Agencies	64	\$8,234,211	6.69%
Hawaii- Health Organizations	13	\$464,557	0.38%
Hawaii- Non-Profit Organizations	25	\$963,531	0.78%
Mainland- Associations, Foundations, Societies, etc.	1	\$23,193	0.02%
Mainland- Business	1	\$7,963	0.01%
Mainland- Business and Other	61	\$8,845,795	7.19%
Mainland- Health Organizations	5	\$359,038	0.29%
Mainland- Non-Profit Organizations	9	\$918,649	0.75%
Miscellaneous	1	\$24,648	0.02%
National Aeronautics and Space Administration	42	\$3,652,071	2.97%
National Science Foundation	64	\$15,650,812	12.71%
US Colleges and Universities	33	\$2,620,585	2.13%
Total:	<u>575</u>	<u>\$123,108,926</u>	<u>100%</u>

Extramural Non-Research Awards
Year to Date: 07/01/08 - 11/30/08
Distribution by Sponsors

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	11	\$3,590,553	4.13%
DHHS-Dept of Health and Human Services	26	\$6,675,941	7.67%
DOC-Dept of Commerce	8	\$1,328,725	1.53%
DOD-Department of Defense	12	\$2,912,734	3.35%
DOI-Dept of Interior	27	\$1,238,758	1.42%
ED-Dept of Education	68	\$27,744,169	31.90%
Federal Agencies	18	\$4,775,747	5.49%
Foreign	10	\$2,748,730	3.16%
Hawaii- Business and Other	29	\$3,029,254	3.48%
Hawaii- Government Agencies	83	\$15,331,603	17.63%
Hawaii- Health Organizations	26	\$5,750,304	6.61%
Hawaii- Non-Profit Organizations	48	\$2,625,509	3.02%
Mainland- Business and Other	5	\$424,172	0.49%
Mainland- Health Organizations	1	\$2,000	0.00%
Mainland- Non-Profit Organizations	7	\$269,153	0.31%
Miscellaneous	3	\$34,500	0.04%
National Aeronautics and Space Administration	4	\$1,898,027	2.18%
National Science Foundation	10	\$4,939,724	5.68%
Non-Profit Organizations	1	\$7,376	0.01%
US Colleges and Universities	15	\$1,658,378	1.91%
Total:	<u>412</u>	<u>\$86,985,357</u>	<u>100%</u>