BOARD OF REGENTS’ MEETING

Date: January 10-11, 2008

Board business not completed on the first day will be taken up on the second day at a time announced at the conclusion of the first day’s meeting.

Time: 9:00 a.m.

Place: University of Hawai‘i at Mānoa
Campus Center Ballroom
2465 Campus Rd.
Honolulu, Hawai‘i 96822

AGENDA

I. Call Meeting to Order

II. Approval of Minutes of September 27, 2007, October 26, 2007, and November 15, 2007 Meetings

III. Resolution in Recognition of the University of Hawai‘i at Mānoa Football Team

IV. Public Comment Period: Individuals may orally testify on items on this agenda either during the Public Comment Period or when the agenda item is taken up by the Board. If you wish to testify orally, please call the Board Office prior to the meeting or notify the Secretary of the Board at the meeting site. The order of testimony will generally reflect the order of notification. Each speaker will be allowed three minutes to present testimony. Written testimony is also accepted.

V. Report of the President

VI. Report of the University of Hawai‘i Foundation

VII. Items for Board Action:

University of Hawai‘i – West O‘ahu
1. Approval of Land Transaction with State Dept. of Transportation

University of Hawai‘i – Mānoa
2. Acceptance of the Audit Report on UH Mānoa Athletics
3. Approval of Amendments to Lease with Faulkes Telescope Corporation (Haleakalā, Maui, Hawai‘i) and Assignment of Lease, as Amended, to Las Cumbres Observatory Global Telescope
4. Approval of Indemnity Provision - California Institute of Technology
5. Approval of Indemnity Provision - Arizona State University
6. Consideration of Hawai‘i Public Television Lease
7. Authorization Regarding UH Mānoa Head Football Coach’s Employment Agreement

University of Hawai‘i at Hilo
8. Approval of Amended and Restated U.S. – China Center Lease
January 10-11, 2007 Meeting Agenda (continued)

University of Hawai’i System (cont.)
9. Approval of CIP and R&M Project Contracts for 3rd Quarter
10. Acceptance of Quarterly Performance Reports of the UH Endowment Fund
11. University of Hawai’i Quarterly Financial Status Report (information only)
12. Approval to Amend BOR Policy, Chapter 9, Section 9-1(a)(3), Department Chairs, and Section 9-1(a)(4) Special Program Directors and Chairs of Academic Subdivisions (Update on roles and responsibilities)
13. Approval to Amend BOR Policy, Chapter 9, Section 9-14, Executive/Managerial Personnel Policies (Shorten notice of non-reappointment to six months)
14. Approval to Amend BOR Policy, Chapter 9, Section 9-1(b), Faculty Promotion & Tenure (To permit the award of tenure on appointment to those previously holding tenure at comparable institutions)


IX. Approval of Appointments, Changes in Appointments, Leaves of Absence, Promotion, Tenure, Waiver of Minimum Qualifications, Emeritus Titles, Shortening of Probationary Period, Salary Adjustments, Position Actions, Classification, Pricing [Attachment B]

X. Announcements

Next Meeting of the Board:
Date: February 15, 2008
Place: Kapi‘olani Community College

XI. Executive Session (closed to the public):

Legal and Real Estate Matters: (To consult with attorneys on powers, immunities, and liabilities pursuant to HRS §92-5(a)(4); To consider negotiations concerning acquisition of public property pursuant to HRS §92-5(a)(3))
   a. Approval of Amended and Restated U.S. – China Center Lease
   b. Consideration of Hawai’i Public Television Lease

Personnel Actions Related to the Following Positions: (To discuss the following personnel matters pursuant to HRS §92-5(a)(2))
   c. Appointment of John A. Burns School of Medicine Dean
   d. Salary Adjustment for UH Mānoa’s Vice Chancellor for Administration, Finance & Operations
   e. Approval and Discussion of UH Mānoa Head Football Coach’s Employment Agreement and UH Mānoa Football Coaches’ Compensation
   f. Update on Executive Searches

XII. Adjournment
Gifts, Grants, and Contracts

The following gifts, grants, and contracts received during the period September 1, 2007 through September 30, 2007 total $62,412,954. The University of Hawai‘i at Hilo received a total of $1,546,737 during the same period.

Gifts, Grants, and Contracts Received September 1-30, 2007

RESEARCH AWARDS

FROM: DA-Dept of Agriculture

1. DA-Dept of Agriculture $28,410
   "Survey for Bacterial Pests Associated with Heart Rot Disease of Pineapple and Blight Diseases of Vegetatively Propagated Ornamental Crops"
   Alvarez, Anne M Plant & Environmental
   Determine the distribution of pineapple heart rot disease in Hawaii and prevent further important on pineapple planting stocks using improved detection and survey strategies.

2. DA-Dept of Agriculture $59,463
   "Management of Formosan Subterranean Termites in Hawaii Through School Campus Based Research and Suppression"
   Grace, J Kenneth Plant & Environmental
   Evaluate, implement and refine termite management in Hawaii, using school campuses to extend results.

3. DA-Dept of Agriculture $22,000
   "2007 Funding for Mutual Interest"
   Grace, J Kenneth Plant & Environmental
   Continuation of student assistant(s) at Manoa ARS facility for on-going research and grant studies.

4. DA-Dept of Agriculture $237,519
   "Value-added Products and Postharvest Treatments Development for Hawaii"
   Hashimoto, Andrew College of Tropical Ag &
   Developing innovative agricultural processes, including value-added biobased products, including bio-based fuels, novel postharvest technologies, marketing strategies, and appropriate training, that will expand and diversify Hawaii’s agriculture and boost exports.
5. DA-Dept of Agriculture $25,000
"Area-Wide Pest Management Tephritid Flies that Infest Hawaii-Grown Fruits and Vegetables"
Mau, Ronald Plant & Environmental
Implementation and farmer adoption of fruit fly pest management programs. This is an amendment adding funds for outreach work that fits under the original scope and description for the agreement that was started in 2005.

6. DA-Dept of Agriculture $25,000
"Attraction of Non-Target Organisms to Fruit Fly Female Attractants and Male Lures in Hawaii"
Rubinoff, Daniel Plant & Environmental
Measure the non-target impacts of fruit fly control measures on native insects.

7. DA-Dept of Agriculture $189,970
"Hawaii Pineapple Improvement"
Vincent, Douglas L Coll, Trop Ag & Human Res
Utilize traditional breeding techniques and genetic engineering to develop horticulturally acceptable cultivars resistant to major disease, insects and nematodes of Hawaii's pineapple.

8. DA-Dept of Agriculture $180,426
"Minor Crops Pest and Disease Control"
Vincent, Douglas L Coll, Trop Ag & Human Res
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.

9. DA-Dept of Agriculture $77,151
"Detection, Control and Mitigation of Banana Bunchy Top Virus (BBTV) and Citrus Tristeza (CTV) Virus in Hawaii"
Vincent, Douglas L Coll, Trop Ag & Human Res
The overall objective of this cooperative research project is to minimize the impact of two economically important plant viral diseases, Banana Bunchy Top and Citrus Tristeza.

10. DA-Dept of Agriculture $189,970
"Protecting Papaya from Pests and Diseases"
Vincent, Douglas L Coll, Trop Ag & Human Res
Develop and evaluate non-toxic, preferably biologically-based, environmentally suitable technologies and processes for pest and disease control on papaya.
11. DA-Dept of Agriculture  
"Environmental Effects of Tephritid Fruit Fly Eradication and Control"  
Vincent, Douglas L  
Coll, Trop Ag & Human Res  
Develop and evaluate non-toxic, environmentally suitable and publicly acceptable technologies and processes for fruit fly, insect pest mgmt., and control to enhance Hawaii's competition in Hawaii agricultural products.  
$159,716

12. DA-Dept of Agriculture  
"Communication in Agricultural Biotechnology"  
Wieczorek, Anna  
Tropical Plant & Soil Science  
The investigator will develop themes of seminars, conferences, and workshops that provide a public forum for providing unbiased information on the GMOs and approaches for assessing and managing their benefits and potential risks to agriculture, human, health, and the environment.  
$42,305

13. DA-Dept of Agriculture  
"Identification of the Sex Pheromone of the Banana Moth, Opogona sacchari Boher in Hawaii"  
Wright, Mark G  
Plant & Environmental  
Field testing of candidate pheromone compounds for Opogona monitoring and management in coffee and pineapple plantations.  
$10,000

FROM: DHHS-Dept of Health & Human Services

1. DHHS-Agency for Healthcare Research & Quality  
"Clinical Implications of Variation Among Medicare Formularies"  
Tseng, Chien-Wen  
Fam Prac & Comm Hlth- MED  
This study evaluates whether the new Medicare Prescription Drug Benefit adequately covers drugs important to older people and people with disabilities.  
$48,124

2. National Institutes of Health  
"Pathogenesis of Mesothelioma"  
Carbone, Michele  
Cancer Research Center  
To identify those factors that may cause certain individuals to be more susceptible to asbestos and erinore carcinogenesis and to develop malignant mesothelioma.  
$1,653,165
3. National Institutes of Health
   "Regulation of Fatty Acid Biosynthesis and Degradation in Pseudomonas aeruginosa"
   Hoang, Tung Microbiology
   We will identify the regulator that controls genes of the fatty acid biosynthetic and degradation pathways in Pseudomonas aeruginosa, as these pathways are important for high-cell-density replication and virulence-induction of this organism during infection of the lung of cystic fibrosis patients.

4. National Institutes of Health
   "Heart Failure Disparities in Native Hawaiians"
   Mau, Marjorie K Native Hawaiian Health- MED
   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.

5. National Institutes of Health
   "Oral Infection in the Pathogenesis of Gestational Diabetes"
   Millar, Lynnae K Obstetrics - GYN - MED
   Since API women are disproportionately affected by GDM, we seek this opportunity to study the mechanisms underlying the documented association between oral infection and GDM in a high risk cohort.

6. National Institutes of Health
   "Longevity Foods, Sirt Activation and Diabetic Dyslipidemia"
   Nerurkar, Pratibha V Molecular Biosciences &
   Project investigates the mechanisms of bitter melon involved in ameliorating diabetic dyslipidemia.

7. National Institutes of Health
   "Supplemental Funding Request to CA109941"
   Nigg, Claudio Office of Public Health Studies
   This supplemental proposal adds objective indication of the environment to the existing psychosocial variables to predict physical activity and fruit and vegetable consumption for a random sample of adults in Hawaii.

8. National Institutes of Health
   "RCMI Clinical Research Infrastructure Initiative (UH Clinical Research Center)"
   Ostrander, Gary K. Chancellor - UH Manoa
   This is a continuation application for the RCMI Clinical Research Infrastructure Initiative, also known as the UH Clinical Research Center (UH CRC), which has been funded for the past 12 years and supports clinical investigators in all aspects of research, including development of protocols and implementation of research studies.
9. National Institutes of Health
"Role of Bamboo Extract in Relieving Lipotoxicity and Oxidative Stress in Diabetes"

Panee, Jun
Cell & Molecular Biology - MED
To investigate the systemic effects of bamboo extract as a dietary supplement on the development of obesity-induced type 2 diabetes in Zucker Diabetic Fatty (ZDF) rats.

10. National Institutes of Health
"Emotion and Cognition on Gene, Cell and Systems Levels"

Spiess, Joachim
Psychiatry - MED
The proposal is targeted at the modulation of attention, learning and memory, especially by stress, and at the mediating role of anxiety. The clinical targets include attention deficit disorder, anxiety and psychotic disorders. It is our intention to link clinically oriented projects with animal models on a genetic basis.

11. National Institutes of Health
"Development of Molecular Adjuvants for Therapeutic HIV-1 Vaccines"

Yu, Qigui
Medicine - MED
This study will develop and evaluate a novel formulation of therapeutic HIV vaccine regimen in the absence of CD4+ help in a mouse model, which mimics an accelerated form of AIDS in humans. Data obtained from this study will provide key information for therapeutic vaccine development.

12. NIH-Natl Cancer Institute (NCI)
"Role of Polyamines in MYCN-Amplified Neuroblastoma"

Bachmann, Andre S
Cancer Research Center
This research supplement is in response to program announcement PA-05-015 and is aimed to promote diversity in health-related research.

13. NIH-Natl Cancer Institute (NCI)
"Surveillance, Epidemiology and End Results (SEER) Program"

Goodman, Marc T
Cancer Research Center
The Hawaii Tumor Registry will maintain a cancer registration system for identification and follow-up of all cancers diagnosed in Hawaii as part of the SEER program.

14. NIH-Natl Cancer Institute (NCI)
"Hawaii Minority-based CCOP"

Gotay, Carolyn C
Cancer Research Center
Working through Hawaii community physicians and hospitals in the absence of a University Hospital or Outpatient Clinic for treating patients, this award makes National Cancer Institute-funded treatment and prevention studies available to Hawaii cancer patients and individuals at high-risk for developing cancer.
15. NIH-Natl Cancer Institute (NCI) $514,520
"Multiethnic Cohort Study of Diet and Cancer (VDPP: Rarer Cancers)"
Kolonel, Laurence N Cancer Research Center
The major goal of this large cohort study is to investigate dietary hypotheses among five ethnic groups in Hawaii and Los Angeles.

16. NIH-Natl Cancer Institute (NCI) $724,535
"Hawaii Colorectal Cancer Family Registry"
Le Marchand, Loic Cancer Research Center
To establish a family registry and bio-repository for families at high colorectal cancer risk in Hawaii, as part of the Cooperative Family Registry for Colorectal Cancer Studies.

17. NIH-Natl Cancer Institute (NCI) $50,000
"Evaluating Errors in Reported Use of Dietary Supplements"
Murphy, Suzanne P Cancer Research Center
The objective of this study is to evaluate the two most common methods of collecting dietary supplement use data to improve understanding of the variability and biases in self-reported supplement use.

18. NIH-Natl Cancer Institute (NCI) $70,764
"Supplements for caBIG(TM) Technology Assessment and Implementation Planning"
Vogel, Carl-Wilhelm Cancer Research Center
Assess current informatics systems at CRCH and develop an implementation plan for adopting in the three caBIG(TM) software bundles.

19. NIH-Natl Cancer Institute (NCI) $248,089
"University of Guam/Cancer Research Center of Hawaii Partnership"
Vogel, Carl-Wilhelm Cancer Research Center
The University of Guam and the Cancer Research Center of Hawaii is engaged in a long-term partnership of mutual benefit in the area of cancer research, cancer training, career development and cancer outreach.

20. NIH-Natl Cancer Institute (NCI) $103,800
"Cancer Research Center of Hawaii CA71789 - CURE Supplement"
Vogel, Carl-Wilhelm Cancer Research Center
The goal of this proposal is to stimulate cancer research in minority students.
21. NIH-Natl Center for Minority Health Disparities $129,714 
"Partnerships to Overcome Obesity Disparities in Hawaii"
Mau, Marjorie K Native Hawaiian Health- MED
This application seeks one year of funding through an administrative supplement that will support research by Dr. Sela Panapasa on health disparities among Native Hawaiians and Pacific Peoples including Filipinos.

22. NIH-Natl Inst of Drug Abuse $169,662 
"Neurodevelopment of Methamphetamine Exposed Children"
Derauf, D Christian Pediatrics- MED
The Mentored Patient-Oriented Research Career Development Award will allow me protected research time and support to develop the expertise needed to transition my career from one primarily focused on clinical service, teaching and administration to one focused on independent research and inter-disciplinary research program development.

23. NIH-Natl Inst of Drug Abuse $301,413 
"Parallel MRI for High Field Neuroimaging"
Stenger, V. Andrew School of Medicine
The purpose of this project is develop new data acquisitions for brain functional magnetic resonance imaging that are both rapid and free of artifact. In particular, we will address the fundamental limitation of field inhomogeneity that produces large signal voids in important inferior brain regions, including the orbital frontal cortex and the ventral striatum.

24. NIH-Natl Inst of Neurological Disorders & Stroke $46,050 
"HIV-1 Specific Immune Responses in Thai Individuals with HIV Dementia"
Kim, Silvia Medicine- MED
To test a possible mechanism behind the reason why HIV-1 infected individuals with a strong HIV-1 specific T cell response tend not to develop neurological symptoms of HIV dementia.

25. PHS-Centers for Disease Control (CDC) $820,044 
"Asian/Pacific Islander Youth Violence Prevention Center"
Hishinuma, Earl Psychiatry- MED
Center designed to support and fund administrative/infrastructure, research, outreach and education for the prevention of interpersonal youth violence of Asian/Pacific Islander youth. Defined community is Kailua-Waimanalo, which will interact with the Center in community-based participatory research.
FROM: DOC-Dept of Commerce

1. DOC-National Oceanic & Atmospheric $3,500
"Composition of Sediment and Water in the Ordnance Reef Area of the Waianae Coast, Hawaii."
De Carlo, E H Oceanography - SOEST
Collect and analyze sediment and water samples from the Ordnance Reef area of the Waianae Coast, Oahu for the purpose of determining if any environmental contamination exists that may be due to the presence of weapons disposed by the US military.

2. DOC-National Oceanic & Atmospheric $58,104
"The Effects of the Stratospheric Quasi-Biennial Oscillation on Seasonal Predictability of Tropospheric Circulation in the Northern Hemisphere…"
Hamilton, Kevin Meteorology - SOEST
A project to perform computer calculations and to analyze the results in order to improve weather forecasts for periods of up to several months.

3. DOC-National Oceanic & Atmospheric $916,159
"Hawaii Coral Reef Initiative Research Program Phase 10"
Hamnett, Michael P Social Science Rsrch Inst
The Hawaii Coral Reef Initiative proposes to sponsor research and monitoring of the state’s coastal reefs, native aquatic habitats directly influencing them, and the effects of human activity. This will provide resource managers with data on the most effective ways to manage them. We will also conduct outreach education about Hawaii’s coral reefs.

4. DOC-National Oceanic & Atmospheric $1,207,920
"HURL Annual Funding: Phase II"
Malahoff, Alexander HURL - SOEST
This proposal provides FY2007 Phase II funding for the Hawai’i Undersea Research Laboratory.

5. DOC-National Oceanic & Atmospheric $1,005,000
"Enhancement of Data and Research Activities for Climate Studies at the International Pacific Research Center (IPRC)"
McCreary, Julian P JIMAR - SOEST
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 broad range of ocean, atmosphere, and air sea flux and products for climate studies.
6. **DOC-National Oceanic & Atmospheric**
   "The University of Hawaii Sea Level Center"
   Merrifield, Mark A
   JIMAR - SOEST
   UH Sea Level collects, processes, and distributes tide gauge data around the world in support of various climate research activities.

   $1,070,999

7. **DOC-National Oceanic & Atmospheric**
   "Pacific ENSO Applications Center (PEAC)"
   Schroeder, Thomas A
   JIMAR - SOEST
   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.

   $236,150

8. **DOC-National Oceanic & Atmospheric**
   "Joint Institute for Marine and Atmospheric Research (JIMAR) - Task I"
   Schroeder, Thomas A
   JIMAR - SOEST
   To support administration and visiting scientist program activities.

   $141,900

9. **DOC-National Oceanic & Atmospheric**
   "Profiling CTD Float Array Implementation and Ocean Climate Research"
   Schroeder, Thomas A
   JIMAR - SOEST
   1) To support the profiling CTD floats through testing, deployment, and management of a subset of these floats, and 2) To perform scientific analysis including estimates of ocean heat variability using the float and other data.

   $216,753

10. **DOC-National Oceanic & Atmospheric**
    "WHOTS-4 Cruise: WHOI Hawaii Ocean Timeseries Station, Fourth Setting"
    Schroeder, Thomas A
    JIMAR - SOEST
    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.

    $219,200

11. **DOC-National Oceanic & Atmospheric**
    "Addendum to Fisheries Oceanography: Ecosystem Observations and Research Program"
    Schroeder, Thomas A
    JIMAR - SOEST
    Scientific projects that bridge research investigations to produce ecosystem level analyses and products.

    $97,628
<table>
<thead>
<tr>
<th>No.</th>
<th>Agency</th>
<th>Project Title</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>DOC-National Oceanic &amp; Atmospheric</td>
<td>&quot;NOAA/NESDIS/STAR MOBY CRUISES&quot;</td>
<td>$119,157</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Schroeder, Thomas A JIMAR - SOEST</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>To maintain an optical buoy off the coast of Lanai.</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>DOC-National Oceanic &amp; Atmospheric</td>
<td>&quot;Ho'o kahua hou: Replenishment of Alien-Dominated Hawaiian Coasts - Efforts to Remove Alien Biomass &amp; Work with Local Communities&quot;</td>
<td>$322,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Smith, Celia M Botany</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>This work will study impacts and recovery of reef community from significant removal effort via super-sucker work in Kaneohe Bay and Kihei, Maui.</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>DOC-National Oceanic &amp; Atmospheric</td>
<td>&quot;Developing the Hawaii-Pacific Ocean Observing and Information System&quot;</td>
<td>$1,700,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Taylor, Brian Sch Ocean,Earth Sci &amp; Tec</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>To build and deploy ocean observing system in the Hawaiian Islands.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>DOC-National Oceanic &amp; Atmospheric</td>
<td>&quot;Role of Ocean-Atmosphere Interaction in Seasonal and Interannual Variations of the Atlantic ITCZ&quot;</td>
<td>$100,618</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Xie, Shang-Ping JIMAR - SOEST</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Use regional climate modeling and observational diagnosis to study tropical Atlantic climate variability.</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>DOC-Nat'l Marine Fisheries Service</td>
<td>&quot;Fisheries Oceanography: Marine Turtle Research Program&quot;</td>
<td>$280,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Schroeder, Thomas A JIMAR - SOEST</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>To conduct critical research on sea turtle biology and ecology, and foundation activates 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.</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>DOC-Nat'l Marine Fisheries Service</td>
<td>&quot;Climate Change and Ecosystem Variability in the North Pacific Ocean and the Dynamics of Marine Resource Populations&quot;</td>
<td>$512,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Schroeder, Thomas A JIMAR - SOEST</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seeks to improve understanding of the linkages between environmental and biological variability on interannual to decadal time scales.</td>
<td></td>
</tr>
</tbody>
</table>
18. **DOC-Nat'l Marine Fisheries Service**  
"Data Administration of Pelagic Fisheries Data - FIS"  
Schroeder, Thomas A(JIMAR - SOEST)  
To continue data administration support to Pacific Islands Fisheries Science Center (PIFSC) and its fisheries partners under the Fisheries Oceanography Program and as a part of the Fisheries Information System (FIS).

19. **DOC-Nat'l Marine Fisheries Service**  
"Fisheries Oceanography: Methods Aimed to Reduce Sea Turtle-Longline Interactions: Tests of Modified Baits and Fishing Gear"  
Schroeder, Thomas A(JIMAR - SOEST)  
To identify a method to reduce or eliminate interactions between long-line fishing gear and turtles, and to conduct by catch mitigation research with sharks.

20. **DOC-Nat'l Marine Fisheries Service**  
"Marine Resource Dynamics Assessment Program (MARDAP): Stock Assessment Research Program"  
Schroeder, Thomas A(JIMAR - SOEST)  
To assess the status of billfish, tuna, bottomfish and lobster stocks in the Western and Central Pacific Ocean, and the impact of fishing on these stocks.

21. **DOC-Nat'l Marine Fisheries Service**  
"Amendment to Data Administration of Pelagic Fisheries Data"  
Schroeder, Thomas A(JIMAR - SOEST)  
To enable timely and effective monitoring of the Hawaii-based longline fishery using data from the Pacific Islands Regional Office observer program and ancillary data sources, and to continue data administration support for Pacific Islands Fisheries Science Center and Pacific Islands Regional Office scientists and data managers.

22. **DOC-Nat'l Marine Fisheries Service**  
"Protected Resources Environmental Compliance Initiative (PRECI)"  
Schroeder, Thomas A(JIMAR - SOEST)  
To establish and maintain enhanced management based on science for protected resources. Information obtained will be used to assist resource managers in decision making and directing further investigation in habitat and protected species investigation and enhanced interagency cooperation.
23. DOC-Nat'l Marine Fisheries Service
"Coral Reef Management Initiative"
Schroeder, Thomas A  JIMAR - SOEST
To establish an enhanced coral reef management presence within
the existing NMFS, Pacific Islands Regional Office (PIRO), Habitat
Conservation Program (HCP).

24. DOC-Nat'l Marine Fisheries Service
"Determination of the Oceanic Habitat for Highly Migratory
Species (HMS) from Remote Sensing Technologies"
Schroeder, Thomas A  JIMAR - SOEST
To continue ongoing research pertaining to the determination of the
oceanic, pelagic habitat for highly migratory species (HMS) using the
advanced technologies of remote sensing, including satellites,
archival tags, and passive acoustic archival recorders.

25. DOC-Nat'l Marine Fisheries Service
"Marine Resources Dynamics Assessment Program
(MARDAP): Research Support"
Schroeder, Thomas A  JIMAR - SOEST
Continuation of administrative and facilities support for research
operations as part of the ongoing research under the Marine
Resource Dynamics Assessment Program.

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

27. DOC-Nat'l Marine Fisheries Service
"International Fisheries: Marine Turtle Conservation and
Management Initiative"
Schroeder, Thomas A  JIMAR - SOEST
To introduce fishermen, fishery administrators, policy makers and
other relevant stakeholders information and materials designed to
increase the opportunities for survival by marine turtles that might be
captured during the course of pelagic fishing operations in the
exclusive zones (EEZ) of the Federated States of Micronesia, the
Solomon Islands and New Caledonia.
28. DOC-Natl Marine Fisheries Service
"Western Pacific Fishery Information Network Project (WPacFIN)"
Schroeder, Thomas A JIMAR - SOEST
Provide technical and operational support for supplying timely, accessible, and high-quality fisheries data and information to fisheries scientists, researchers, and managers within JIMAR, UH, NMFS, and the Western Pacific Regional Fisheries Management Council.

29. DOC-Natl Marine Fisheries Service
"Western Pacific Fishery Information Network (WPacFIN) Hawaii Bottomfish Data Fast Track Project"
Schroeder, Thomas A JIMAR - SOEST
An add-on to the existing Western Pacific Fishery Information Network Project to provide fast-tracking bottomfish fishery data processing, education and outreach to the industry (fisher and fish dealers), develop additional computer technologies, and to work closely with the industry to build a better working relationship.

30. DOC-Natl Marine Fisheries Service
"Addendum to Protected Resources Environmental Compliance Initiative (PRECI)"
Schroeder, Thomas A JIMAR - SOEST
To establish and maintain enhanced management based on science for protected resources. Information obtained will be used to assist resource managers in decision making and directing further investigation in habitat and protected species investigation and enhance interagency cooperation.

31. DOC-Natl Marine Fisheries Service
"Fisheries Oceanography: Protected Species Research Program"
Schroeder, Thomas A JIMAR - SOEST
To conduct research on Pacific Islands area protected species populations, their ecology, and relationships to environmental and oceanographic parameters.

32. DOC-Natl Marine Fisheries Service
"Marine Resource Dynamics and Assessment Program (MARDAP): Economics of Fisheries Initiative"
Schroeder, Thomas A JIMAR - SOEST
To collect economic information and assess changes in key economic indicators in Hawaii longline and American Samoa longline fisheries and Hawaii small boat fisheries. To also conduct a market study on the attributes associated with consumer choices on purchasing ahi poke, and to investigate the shoreline access of recreational fishing in Hawaii.
33. DOC-Nat'l Marine Fisheries Service $1,872,826
"Pelagic Fisheries Research Program"
Sibert, John R JMAR - SOEST
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.

34. DOC-Nat'l Weather Service $108,085
"National Weather Service/JIMAR Pacific International Desk"
Schroeder, Thomas A JIMAR - SOEST
Training is provided to selected candidate meteorologists from the predominantly island nations within World Meteorology Organization (WMO) Region 5. Goal is to train in techniques and technology applicable to their nations and physically transfer appropriate hardware and software to that nation.

FROM: DOD-Dept of Defense

1. DOD-Dept of Air Force $105,000
"AEOS Faint-Object Adaptive Corrector (AFOAC)"
Chun, Mark Institute for Astronomy
This proposal is to supply a complete natural guide star adaptive optics system based on curvature wavefront sensing for the Air Force Maui Optical and Supercomputing (AMOS) Site's 3.6-meter telescope.

2. DOD-Dept of Air Force $13,659
"Operations and Management of the Maui Supercomputing Center"
Lassner, David K Info Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.

3. DOD-Dept of Air Force $83,550
"Operations and Management of the Maui Supercomputing Center"
Lassner, David K Info Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.
4. DOD-Dept of Army $45,000
"Improved Heartsound Signal Analysis Using Simultaneous Multi-site Phonocardiograms in Children"
Reed, Nancy Info & Computer Science
A decision-support system using computer-aided analysis of recorded heart sounds and other patient data for the detection and monitoring of heart disease.

5. DOD-Dept of Navy $106,826
"Radar Remote Sensing of the Mesoscale Flow Through Straits of the Philippines Archipelago"
Flament, Pierre J Oceanography - SOEST
An observational program to quantify the mesoscale flow through archipelago straits of South East Asia was proposed. An expansion is requested to cover additional sub-contractual work.

6. DOD-Dept of Navy $209,000
"Detection Methods of Counter Improvised Explosive Devices (C-IED)"
Syrmos, Vassilis L Vice Chancellor Research
This project addresses detection methods for counter improvised explosive devices. The proposed research is focused in three major technologies. In particular, a) detection of explosives with Stand-off Raman Spectroscopy, b) detection of buried objects via measurements of Telluric Current Gradients and c) High Powered Miniature Lasers for IED Characterization.

7. DOD-Naval Research Laboratory $264,973
"Enhanced Spatial Mapping Capabilities for the Kilo Nalu Observatory"
Pawlak, Eugene Ocean & Resources
The work proposed here aims to exploit new AUV resources and enhance existing AUV/ROV capabilities in parallel, with the objective of developing new spatial mapping capacity at the Kilo Nalu Observatory.

8. DOD-Naval Research Laboratory $2,355,360
"Hawaii Energy and Environmental Technologies (HEET) Initiative, Phase 2"
Rocheleau, Richard E Haw Nat Energy Inst -SOEST
Conduct research on development and testing of fuel cells and exploration and characterization of methane hydrates.
9. DOD-US Army Medical Research & Material $841,498
"ICU Multipoint Military Pacific Consultation Using Telehealth II (IMMPACT II)"
Berg, Benjamin W. School of Medicine
Conduct research to evaluate the ability of a specialist physician located at Tripler Army Medical Center to provide team leadership for a team of doctors and nurses in Korea using a remote telemedicine system. The team in Korea practices on mannequin that simulates a medical crisis, and the specialist in Hawaii advises during the crisis simulation.

FROM: DOE-Dept of Energy

1. DOE-Dept of Energy $177,596
"Synthesis of New Diamond-Like B-C Phases Under High Pressures and Temperatures"
Ming, Li-Chung Haw Inst Geophys & Planet
Create a new diamond-like material using only Boron and Carbon.

2. DOE-Dept of Energy $142,877
"Understanding Annual Cycle-ENSO Interactions in Climate Change Simulations"
Schneider, Niklas Oceanography - SOEST
An investigation of interactions of annual cycle and interannual variations (el Nino) of the tropical Indo-Pacific in simulations of future climate with changes of greenhouse gases.

FROM: DOI-Dept of Interior

1. DOI-Fish & Wildlife $65,000
"Plant Extinction Prevention Program"
Duffy, David Botany
Preserve samples of endangered native plant species while also attempting to preserve wild specimens within their natural habitats.

2. DOI-Fish & Wildlife $90,000
"Plant Extinction Prevention Program"
Duffy, David Botany
Preserve samples of endangered native plant species while also attempting to preserve wild specimens within their natural habitats.
3. DOI-Fish & Wildlife

"Conservation Biology of Federally Endangered Hawaiian Tree Snails: Captive Propagation Laboratory"

Hadfield, Michael G  Pacific Biosciences Research

To continue the conservation effort in three areas (1) captive propagation of threatened and endangered Hawaiian tree snails; (2) monitor residual populations of Achatinella ssp. in the Koolau and Waianae Mountains; (3) periodically survey mountain areas on Oahu that are unknown to us or where recent surveys have not bee carried out.

4. DOI-Geological Survey

"Extrinsic and Intrinsic Factors Affecting the Resilience of Corals to Climate Change and Their Use in Designing Marine Reserves"

Birkeland, Charles  Zoology

This study will provide a method for rating the likely resilience of individual coral reefs to global warming based on measurable features such as water motion, water quality and physical characteristics. This study will provide the Department of Commerce, the Department of Interior, and other agencies info about coral reefs that will survive coral bleaching and mortality.

5. DOI-Nat'l Park Service

"Assess Nutrient Sources and Water Quality of Ponds in Kaloko-Honokohau National Historical Park"

Bienfang, Paul  Oceanography - SOEST

This project provides technical and research assistance to continue monitoring water quality in the groundwater, anchialine pools, and two large fishponds to determine if long-term trends are evident.

6. DOI-Nat'l Park Service

"Protocol Development for Monitoring Climate, A PACN Vital Sign"

Chu, Pao-Shin  Meteorology - SOEST

To provide data on climate and climate change to support national park management in the Pacific Islands.

7. DOI-Nat'l Park Service

"Environmental History for Kalaupapa National Historical Park, 1900-2000"

Duffy, David  Botany

Produce an environmental history of vegetation in the landscape of Kalaupapa National Historical Park from 1900 to 2000.
8. DOI-Nat'l Park Service  
"Marine Inventory, Monitoring and Research, Pacific Islands Coral Reef Program"  
Duffy, David  
Botany  
Continue collaborative assistance with the HPS Pacific Islands Coral Reef Program in conducting marine inventories, monitoring and research on the coasts and waters off several National Park units in the Pacific Islands.

9. DOI-Nat'l Park Service  
"Assess Potential Impacts to Marine Resources from Boat Harbor Expansion in Kaloko-Honokohau NHP"  
Duffy, David  
Botany  
Provide technical assistance in the review of a Final Environmental Impact Statement for the development of a boat harbor at Kaloko-Honokohau National Historical Park.

10. DOI-Nat'l Park Service  
"Monitor and Protect Newly Discovered Hawksbill Turtle Nesting Beaches"  
Duffy, David  
Botany  
Collect baseline data and monitor hawksbill turtles at newly discovered nesting beaches at Kahakahakea, Pohue Bay, Awili Point, and Manuka, and identify and control adverse effects on the nesting habitat.

11. DOI-Nat'l Park Service  
"Monitoring Plan Development, Pacific Island Network"  
Duffy, David  
Botany  
Provide technical assistance to the National Park Service for preparation of the Vital Signs Monitoring Protocols.

12. DOI-Nat'l Park Service  
"Conduct a Socio-Cultural Affiliation Study of Kalaupapa National Historical Park"  
Duffy, David  
Botany  
Conduct research concerning human connections and family ties to Kalaupapa associated with the time periods both prior to and during the Hansen's Disease Era.

13. DOI-Nat'l Park Service  
"Develop Management Plan for Molokai North Shore Cliffs National Natural Landmark"  
Duffy, David  
Botany  
Assess coastal sites along Molokai's north shore cliffs for ecological management potential and develop a long-term conservation management plan.
14. DOI-Natl Park Service $96,900
"Protect Significant Archaeological and Cultural Sites (D13-12 and D12-14) from Destructive Alien Plant Species"

Duffy, David Botany
Develop a strategy of plant control at specific archaeological sites at Kaloko-Honokohau National Historical Park that does not damage the site or compromise future research and that allows on-going and future archaeological management efforts.

15. DOI-Natl Park Service $165,186
"Research on Strategies to Control Invasive Plants in Hawaiian Ecosystems"

Duffy, David Botany
Evaluate effectiveness of control on target populations of alien weeds at Hawaii Volcanoes National Park.

16. DOI-Natl Park Service $20,500
"Cave Inventory - Kalaupapa National Historical Park"

Duffy, David Botany
Assist Kalaupapa National Historical Park with completing an integrated cultural and natural resources inventory and mapping of selected known cave systems in the Park.

17. DOI-Natl Park Service $95,983
"Experimental Restoration of Native Plant Communities"

Duffy, David Botany
Continue research to determine best ways to restore threatened native plant communities on Hawaii Volcanoes NP.

18. DOI-Natl Park Service $57,600
"Storm Vulnerability Assessments for Coastal Pacific Island Network (PACN) Parks"

Fletcher, Charles H Geology & Geophys - SOEST
Assess the coastal vulnerability of Pu‘ukohola Heiau National Historical Park (Puhe) and Kaloko-Honokohau National Historical Park (Kaho) on the island of Hawai‘i to wave overtopping, sea level rise, and flooding. The assessment to include a paleotsunami evaluation and maps of historical shoreline change shoring coastal erosion areas for each park.
FROM: Environmental Protection Agency

1. Environmental Protection Agency  $83,601
   "Development of Coral Reef Biocriteria for Hawaii"
   Jokiel, Paul L  Haw Inst Marine Bio-SOEST
   This project will assess the biological criteria of coral reefs throughout the Main Hawaiian Islands and will develop models that can be used to assess reef conditions.

FROM: National Science Foundation

1. National Science Foundation  $13,480
   "SGER: Preliminary Characterization of Sodium Channel Toxins in Gambierdiscus spp. from the Pacific and Atlantic Oceans"
   Bienfang, Paul  Oceanography - SOEST
   This project will produce and extract significant amounts of gambiertoxin from large scale cultures of G. toxicus that have been isolated from Hawaiian waters. This material will be given to collaborators for additional analyses, and will provide the basis for chemical comparisons with gamberitoxins from Gambierdiscus spp. that have been isolated from the Gulf of Mexico.

2. National Science Foundation  $65,907
   "CAREER: Investigations of Breaking Waves & Fluid-Structure Interactions"
   Frandsen, Jannette B.  Ocean & Resources
   Experimental investigations and computational model development of water waves and fluid-structure interactions.

3. National Science Foundation  $111,850
   "Collaborative Research: Borehole Studies of ODP Site 1200, South Chamorro Seamount: A Window into Active Serpentinite Mud Volcanism"
   Fryer, Patricia  Haw Inst Geophys & Planet
   Design wellhead to accommodate a variety of measurements and samplers, deploy instruments to monitor pressure, temperature, flow rate and tilt, collecting fluid samples for measurements, and examine microbial colonization and changes in the mineral levels.

4. National Science Foundation  $151,211
   "Collaborative Research: Capacity and Coding in Resource - Limited Wireless Networks"
   Host-Madsen, Anders  Electrical Engineering
   To develop efficient ways of operating wireless networks such as sensor networks.
5. National Science Foundation  $4,000,000
   "Center for Microbial Oceanography: Research and Education (C-MORE)"
   Karl, David M  Oceanography - SOEST
   To establish a Center for Microbial Ecology of the Global Ocean (C-ME-GO) as a vehicle for rapid progress in the fields of microbial ecology and genomics, including research and education.

6. National Science Foundation  $136,710
   "Collaborative Research in IPY: Abrupt Environmental Change in the Larsen Ice Shelf System, a Multidisciplinary Approach - Marine Ecosystems"
   Smith, Craig R  Oceanography - SOEST
   We will evaluate patterns of seafloor community development beneath the recently collapsed Larsen B ice shelf, and explore the biodiversity of a the first known cold seep on the Antarctic margin.

7. National Science Foundation  $447,135
   "Collaborative Research: Benthic Faunal Feeding Dynamics on the Antarctic Shelf and the Effects of Global Climate Change on Benthic-Pelagic Coupling"
   Smith, Craig R  Oceanography - SOEST
   We will evaluate feeding strategies of benthic fauna and seafloor biogeochemical processes along a latitudinal gradient on the Antarctic shelf to explore the potential impacts of climate warming.

FROM: Nat'l Aeronautics & Space Administration

1. Nat'l Aeronautics & Space Administration  $84,683
   "Identification and Analysis of Volcanic Cones on Mars: Implications for Paleo-Environmental Conditions"
   Fagents, Sarah  Haw Inst Geophys & Planet
   We propose to conduct an analysis of small volcanic cones visible in Mars images, using automated cone recognition methodology and statistical tools, in order to assess the distribution of cones and ground ice on Mars.

2. Nat'l Aeronautics & Space Administration  $100,100
   "Mineralogical Mapping of the Moon"
   Lucey, Paul  Haw Inst Geophys - SOEST
   Use remote sensing to study the composition of the lunar surface.
3. Nat'l Aeronautics & Space Administration
"The Origin, History, and Distribution of Water and its Relation to Life in the Universe"
Meech, Karen J Institute for Astronomy
To research the diversity, phylogeny, and genetics of the basal metazoan Trichoplax adhaerens (Placozoa) to further our understanding of the origin of complex life on Earth.

FROM: Hawaii- Government Agencies

1. DLNR-Division of Aquatic Resources
"Acoustic Monitoring of Long-term Movement Patterns, Habitat use and Site Fidelity of Food and Game Fishes in the Main Hawaiian Islands, Phase II"
Meyer, Carl Haw Inst Marine Bio-SOEST
We will equip coral reef fishes with small transmitters to determine their movement patterns.

2. DOH-Hawaii Tobacco Settlement Fund
"Social Epidemiology Project/Epidemiologic Research Related to Public Health"
Maddock, Jason E Public Health Sciences
This project provides evaluation and research support to the Health Hawaii Initiative.

3. Hawaii-Dept of Education
"Educational Service Providers"
Inazu, Judith K Social Science Rsrch Inst
To evaluate the effectiveness of tutors who provide free tutoring to eligible students under the No Child Left Behind program.

4. Hawaii-Dept of Land & Natural Resources
"Kauai Endangered Seabird Conservation Research and Management"
Duffy, David Botany
Conduct research on the populations of endangered Kauai seabirds and make recommendations for conservation strategies.

5. Hawaii-Dept of Land & Natural Resources
"Statewide Wildlife Conservation Program Coordination and Implementation"
Duffy, David Botany
Coordinate and implement partnership-based wildlife conservation programs in Hawaii.
6. Hawaii-Dept of Land & Natural Resources  $350,000
   "Forest Restoration on Mauna Kea"
   Duffy, David Botany
   Restore native forest areas on Mauna Kea in order to mitigate the declining populations of endangered native Palila, a finch-billed honeycreeper.

7. Hawaii-Dept of Transportation  $181,703
   "Development of Flexible Concrete Joints for Deck Structures with Deteriorated Mechanical Joints and Corrosion Damage"
   Fischer, Gregor Civil and Environmental
   The research conducted in this project will develop and investigate construction and repair methods for roads and bridges with damaged contraction joints.

8. Hawaii-Dept of Transportation  $469,000
   "Assessing the Viability of Using Recycled Glass Sand in Concrete and Quantifying the Admixture Requirements to Mitigate the Alkali-Silica Reaction"
   Fischer, Gregor Civil and Environmental
   The use of recycled glass sand from post-consumer glass containers in concrete products will be investigated. Measures to mitigate the undesirable reaction between glass and cement reacting in an expansion of the concrete will be developed. Objective of the project is to develop durable concrete products containing recycled glass as a replacement for natural aggregates.

9. Hawaii-Dept of Transportation  $198,824
   "Investigation of ASIM 29x, Canoga, RTMS, SAS-1, SmartSensor, TIRTL and Other Sensors for Automatic Vehicle Classification"
   Prevedouros, Panos D Civil and Environmental
   The sensors will be used to develop traffic data stations for (1) automated vehicle classification useful in pavement design, and mandatory federal highway data programs, (2) long term performance evaluation of each sensor, and (3) real time traffic monitoring along with a prototype application of a near-real-time congestion report.

10. Hawaii-Dept of Transportation  $189,519
    "Infiltration of Storm Water from Highway Operations to Reduce Coastal Pollution"
    Ray, Chittaranjan Civil and Environmental
    In this project, we will evaluate the soils on Oahu for their ability to infiltrate storm water and retain the pollutants present in them.
FROM: Hawaii- Associations, Foundations, Societies, etc.

1. HCF-Leahi Trust
   "Pre-B Cell Colony-Enhancing Factor (PBEF/Visfatin) in Neonatal Lung Maturation"
   Kendal, Claire  Pacific Biosciences Research
   We will test by adding Pre-B-Cell Colony-enhancing factor to lung cells how this protein affects maturation. We will also stretch the lung cells to test if this protein is stretch responsive. We will then correlate the results of these experiments with observations from neonatal human tissues with lung dysfunction.

2. HCF-Leahi Trust
   "The Use of Heliox to Prevent Early Nasal CPAP Failure in Extremely Low Birth Weight in Infants: A Pilot Study"
   Sawyer, Taylor  Pediatrics- MED
   Preliminary investigation of heliox gas, delivered via nasal CPAP, in the management of preterm infants with respiratory distress syndrome.

3. Tri-Isle Resource Conservation & Development
   "East Maui Watershed Protection"
   Duffy, David  Botany
   Support management, invasive species control and monitoring in East Maui's watershed.

FROM: Hawaii- Business and Other

1. Hawaii Farm Bureau Federation
   "Soil Organic Matter Management to Improve Soil and Crop Quality on Intensive Vegetable Farms in Hawaii"
   Deenik, Jonathan  Tropical Plant & Soil Science
   The goal of this research project is to improve soil and crop quality by increasing farmer adoption of soil management practices that include organic inputs. On-farm trials with five treatments (two organic amendments, two green manure crops, and a control - the farmer's practice) will be established at 4 vegetable farms on 3

2. Hawaii Farm Bureau Federation
   "Establishment of a Chemical Database of Hawaiian Coffees for Origin Authentication Using Gas Chromatography and Near Infrared Spectroscopy"
   Gautz, Loren D  Molecular Biosciences &
   Create a system based on coffee chemistry to authenticate coffee origins and methods of production.
3. Hawaii Farm Bureau Federation $29,913
"Identifying the Bacteria (Types) that is Causing Milk to Spoil"
Lee, Chin N Human Nutrition, Food &
This work will specifically identify the bacteria spp. that cause milk to spoil and subject retail milk to stress test that would help determine the shelf-life of milk.

4. Hawaii Farm Bureau Federation $32,000
"Analyses of Honey Imported into Hawaii for Contaminants and Adulterants and Country of Origin"
Li, Qingxiao Molecular Biosci & Biosyst
To develop a panel of rapid, inexpensive assays, with acceptable sensitivity and specificity, that can be used to screen suspect honey products in local markets for: 1) contaminants, and 2) detection of economic adulteration and 3) mislabeling as to country of origin.

5. Hawaii Farm Bureau Federation $38,751
"Enhancing Soil Quality and Fruit Tree Growth with Arachis pintoi Cover Crops in Hawaii Orchards"
Radovich, Theodore Tropical Plant & Soil Science
The goal of this project is to quantify the contribution of perennial peanut ground covers to soil quality in tropical fruit tree orchards.

6. Hawaii Farm Bureau Federation $40,000
"Development of Best Management Practices for the Control of Madagascar Fireweed (Senecio madagascariensis Poiret) in Hawaii"
Thorne, Mark Human Nutrition, Food &
The overall goal of this project is to develop and deliver ecologically-based, integrated, management strategies for the management and control of fireweed to land managers in Hawaii.

7. Hawaii Farm Bureau Federation $70,000
"Genetic Selection of Beef Cattle Through DNA and Ultrasound Technology"
Yang, Jinzeng Human Nutrition, Food &
Among many factors supporting the Hawaii cattle industry, cattle breeds and the genetic makeup of the cattle population are the foundation of the industry. To develop an effective cattle genetic program, we will study DNA-based genetic markers for cattle production traits improvement.
8. R M Towill Corp  
"BASIN/HSPF Modeling of Storm Runoff and Sediment Loading in Kaloi Gulch Watershed, Oahu, Hawaii"  
Liu, Clark C K  
Water Resource Research  
This project involves the hydrologic and transport modeling of the Kaloi Gulch watershed. The model will be developed based on hydrologic simulation program - FORTRAN (HSPF). The developed model will then applied to investigate the flow and sediment transport in drainage channels in the Kaloi Gulch watershed.

FROM: Mainland- Associations, Foundation, Soc, etc.

1. Brentwood Biomedical Research Institute  
"Subcontract Agreement for Services of Margaret Nield, PhD"  
Nield, Margaret  
Nursing  
Principal Investigator will be responsible for overseeing research implementation, training or the research assistant, fiscal management, report writing, presentations and assuring ethical conduct of the study, as well as the other duties stated in the statement of work of the agreement.

2. Getty Foundation  
"Heritage Resources Plan for the Manoa Campus"  
Leineweber, Spencer  
School of Architecture  
Documentation of UH Manoa campus Heritage resources and development of Heritage Resources Plan.

3. National Parkinson Foundation  
"Molokai Community Based Rare Plant Conservation"  
Duffy, David  
Botany  
Continue technical assistance for recovery of endangered native plants on Molokai.

FROM: Mainland- Business

1. CENTRA Technology Incorporated  
"Pacific Disaster Center All-Hazards Risk Assessment Support"  
Gaines, James R  
VP for Research  
The Pacific Disaster Center will support research on all-hazards risk assessment approaches.
2. East & West Inc  
"Pacific Disaster Center  Technical Assistance to Thailand, National Disaster Warning Center"
Gaines, James R  VP for Research
The Pacific Disaster Center will provide staff to perform final workshop activity for Grant No. GH053146401, Technical Assistance to Thailand, National Disaster Warning Center, for Disaster Warning System Integration Project.

3. Social & Scientific Systems, Inc  
"ACTG A5223: Sex Differences in Lopinavir/Ritonavir Pharmacokinetics Among HIV-1-Infected Men and Women"
Shikuma, Cecilia M  Medicine- MED
This is a proposal to conduct a clinical research study to look at specific drug levels in HIV-positive individuals.

4. Southwest Research Institute  
"New Analysis Techniques of Chromospheric Time Series"
Jefferies, Stuart  Institute for Astronomy
Investigate new analysis techniques of chromospheric time series data and supply code developed under the effort to the Principal Investigator at the Southwest Research Institute.

5. Southwest Research Institute  
"Analysis and Interpretation of Chromatospheric Data from MOTH and TRACE"
Jefferies, Stuart  Institute for Astronomy
Provide analysis and interpretation of existing chromospheric data from the MOTH (Magneto-Optical Observations at Two Heights) instrument and the TRACE (Transition Region and Coronal Explorer) spacecraft.

6. Texas Instruments  
"Using TI-Nspire to scaffold the Development of Teacher Questioning Skills that Promote Students' Understanding of Intro. Concepts of Rates of Change"
Slovin, Hannah  CRDG
This is a research and development project to pilot one introductory mathematics unit that includes the use of the TI-Nspire technology in order to test its effect on student learning and teacher questioning.
7. Wildlife Productions
"Deep Investigation of Mauna Kea: Part I"
Wiltshire, John C    HURL - SOEST
To survey slopes of Mauna Kea and Mauna Loa off the island of Hawaii using HURL submersibles.

FROM: Mainland- Health Organizations

1. AMC Operations Office
"UH Affiliate Subsite of AIDS Malignancy Consortium (Clinical Site Agreement Between EMMES Corp. & UH; AMC Grant #U01CA121947)"
Shiramizu, Bruce    Medicine- MED
UH Affiliate Subsite of AIDS Malignancy Consortium (Clinical site agreement between EMMES Corp. & UH; AMC Grant #U01CA121947).

FROM: Mainland- Other

1. Jet Propulsion Lab
"Investigating Midlatitude Ocean and Climate Dynamics using Satellite Altimetry and Modeling Analysis"
Qiu, Bo    Oceanography - SOEST
The goal of this proposed study is to 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. A clarification of these fluctuations will lead to increased predictability of the upper ocean circulation and thermal structures, both of which are crucial to our understanding of the climate variability on longer time scales.

2. North Pacific Research Board
"Using Predictive Habitat Modeling to Identify Potential Calving Habitats of North Pacific Right Whales in the Pacific Islands Region"
Schroeder, Thomas A    JIMAR - SOEST
To Investigate the distribution and movements of North Pacific right whales, particularly in spring and/or winter in order to identify their calving habitat.

3. Space Telescope Science Institute
"An Ultraviolet Survey of Luminous Infrared Galaxies in the Local Universe"
Barnes, Joshua E    Institute for Astronomy
Develop software and research methods to model interacting galaxies. The project will combine UV images with other data to constrain the ages of young star clusters.
4. Space Telescope Science Institute
"The Structure of Early-type Galaxies: 0.1-100 Effective Radii"
Bolton, Adam Institute for Astronomy
This research project will use the Hubble Space Telescope to observe a large sample of rare pairs of distant galaxies termed "gravitational tenses". The "gravitational lensing" effect of one galaxy in each pair by the other allows us to make a direct measurement of the mass of the latter.

5. Space Telescope Science Institute
"The Effective Temperatures and Physical Properties of O-type Stars at Low Metallicity"
Bresolin, Fabio Institute for Astronomy
This is an archival project on the properties of O stars in the Megellanic Clouds.

FROM: U.S. Universities and Colleges

1. Louisiana State University
"An Adaptive Food Web Model for the Epipelagic and Mesopelagic"
Richards, Kelvin Sch Ocean,Earth Sci & Tec
A study to determine the controlling factors of the structure of the cold tongue in the eastern Equatorial Pacific.

2. Mississippi State University
"Improving the COAMPS Atmospheric Variational Data Assimilation System with Direct Use of Satellite Radiances"
Li, Tim Meteorology - SOEST
To construct a comprehensive, high-resolution western Pacific tropical cyclone reanalysis data product using the NAVDAS.

3. New York University
"American/Australian Mesothelioma Consortium"
Carbone, Michele Cancer Research Center
To test the validity of serological assays for mesothelin and osteopontin for early detection of mesothelioma in high risk cohorts in the US and Australia.

4. Tufts University
"A Longitudinal MRS Study of HIV-Related Brain Injury"
Ernst, Thomas Medicine- MED
5. Univ of California- San Diego $5,500
   "Taxonomically Diversified Global Census of Coral Reef Ecosystems"
   Leong, Jo-Ann Haw Inst Marine Bio-SOEST
   Additional funds to support salary and fringe of one full time node coordinator.

6. Univ of Colorado $41,693
   "Immunopathogenesis of Acute HIV-1 Infection"
   Shikuma, Cecilia M Medicine- MED
   This is a proposal to conduct a clinical research study in recently infected HIV-positive individuals. It will be conducted as a subcontract of the University of Colorado.

7. Univ of New Hampshire $49,550
   "Towards Long Term Tracking of Billfish"
   Holland, Kim N Haw Inst Marine Bio-SOEST
   Testing of a new tag anchor design for attaching satellite tags and a novel restraining device for bill fish. Research will be conducted near FADs anchored in coastal Hawaiian waters.

FROM: All Non-U.S.

1. British Library, The $56,696
   "Digitising "Sacred Heirloom" in Private Collections in Kerinci, Sumatra"
   Kozok, Ulrich Haw'n & Indo-Pac Language
   Documentation of private collections in Kerinci, Sumatra, containing ancient artifacts and manuscripts.

2. Subaru Telescope $175,000
   "Final Fabrication and Commissioning of the Cryogenic High Contrast Optics and Infrared Camera for the Subaru HiCIAO"
   Hodapp, Klaus W Institute for Astronomy
   Design and fabricate the interface between the new instrument and the adaptive optics system and another instrument. Writing the maintenance and users' manuals, integrate software and commissioning at Subaru Telescope.
NON-RESEARCH AWARDS

FROM: DA-Dept of Agriculture

1. DA-Dept of Agriculture $8,000
   "Hawaii Conservation Alliance"
   Puttock, Christopher Pacific Biosciences Research
   Outreach to increase awareness and involvement in conserving and managing Hawaii's ecosystems. Production of an annual report on effective conservation in the Hawaiian Islands.

2. DA-Natural Resources Conservation Service $25,000
   "Coordination and Implementation of Hawaii’s Local Action Strategy to Address Land-Based Pollution Threats to Coral Reefs"
   Evensen, Carl I Natural Resources &
   The University of Hawaii’s Cooperative Extension program shall assist the Coral Reef Land-Based Pollution Steering Committee to coordinate the implementation of Hawaii’s Local Action Strategy to Address Land-Based Pollution threats to Coral Reef and provide technical assistance to stakeholders on coral reef protection issues.

FROM: DHHS-Dept of Health & Human Services

1. DHHS-Dept of Health & Human Services $149,640
   "Food Stamp Nutrition Education - UH/CES"
   Kanehiro, Naomi A Coop Extension Svc- CTAHR
   Project priorities are to explore practical ways to influence positive nutrition behaviors and to interactively deliver nutrition education services for food stamp participants and those eligible to participate.

2. DHHS-Office of Community Services $230,000
   "Hawaii Family Support 360 Project"
   Ozaki, Rebecca Center on Disability Studies
   To address the issue of access to appropriate and available services within our community for transitioning students 16 years of age and older and their family members on the island of Oahu, County of Honolulu. Windward District.

3. National Institutes of Health $491,600
   "Master in Clinical Research"
   Harrigan, Rosanne Complementary & Alternative
4. National Institutes of Health  
"Office of Research Development (EARDA)"
Inouye, Jillian  Nursing  
The School of Nursing and Dental Hygiene, the Manoa lead for the Extramural Associate Research Development Award effort, will collaborate with the Office of Sponsored Research to enhance faculty research in the biomedical and behavioral sciences by offering workshops and seminars; providing a mentoring/collaborative program; and supporting pilot research.  

5. NIH-Nat'l Center for Minority Health Disparities  
"Endowment for Cardiovascular Science"
Ostrander, Gary K.  Dean's Office- MED  
The University of Hawaii (UH) John A. Burns School of Medicine (JABSOM) is submitting this application to establish an endowment focused on cardiovascular research, because cardiovascular disease is the primary cause of excess morbidity and mortality in our minority and medically-underserved citizens.  

6. NIH-Nat'l Inst of Drug Abuse  
"Parallel MRI for Substance Abuse Research"
Stenger, V. Andrew  Medicine- MED  
Career development award -- to continue as an independent investigator on own NIH projects as well as mentor junior investigators and participate in other clinical research projects.  

7. PHS-Health Resources and Services Admin  
"Pacific Island Geriatric Education Center"
Blanchette, Patricia  Geriatrics-MED  
Health care professionals training in Geriatrics.  

8. PHS-Health Resources and Services Admin  
"Pre-Doctoral Training in Primary Care"
Omori(Minami), Jill S  Fam Prac & Comm Hlth- MED  
Pre-Doctoral Training in Primary Care.  

9. PHS-Health Resources and Services Admin  
"Pacific Center of Excellence in the Elimination of Disparities (CEED)"
Palafox, Neal A  Fam Prac & Comm Hlth- MED  
Provide infrastructure and technical assistance to the Pacific Populations to 1) implement the respective strategies within the comprehensive cancer plans as they relate to breast and cervical cancer 2) work with the USAPI population in Hawaii and 3) serve as a national resource center. 
10. PHS-Health Resources and Services Admin $693,240
   "Hawaii/Pacific Basin Area Health Education Center (H/PB AHEC)"
   Witth, Kelley Complementary & Alternative
   To improve the quality of life in the US Associated Pacific Islands by increasing the supply of well trained and culturally competent healthcare providers working in rural and underserved communities.

FROM: DOC-Dept of Commerce

1. DOC-Dept of Commerce $25,200
   "MOBY Shore Support at UH Marine Center"
   Taylor, Brian Sch Ocean,Earth Sci & Tec
   Provide outdoor storage area, utilities, & other support services to MOBY at the UH Marine Center.

2. DOC-Economic Development Administration $220,847
   "PBCP - UH EDA University Center - 2006-09"
   Rota, Michael T Office, VP Community Coll.
   This Economic Development Administration University Center Program award supports the economic development and technical assistance work of the Pacific Business Center Program that will be provided to public and private sector clients located in Hawaii and throughout the American Affiliated Pacific Islands.

3. DOC-National Oceanic & Atmospheric $20,000
   "Marine Ornaments '08: Collection, Culture and Conservation"
   Tamaru, Clyde S Sea Grant - SOEST

4. DOC-Nat'l Marine Fisheries Service $14,745
   "Create an Aquarium Display for Two Species of Concern: A Hawaiian Coral and a Brachiopod; and to Perform Genetic Studies on the Former"
   Rossiter, Andrew Waikiki Aquarium
   Create an outreach and education exhibit for two species of concern: the Hawaiian coral Montipora dilatata and the inarticulate brachiopod (Lingula reevii); support genetic analysis of recently collected Montipora fragments.
FROM: DOD-Dept of Defense

1. DOD-Natl Security Education Program $602,121
   "University of Hawaii Korean Flagship Program - Domestic Program"
   Sohn, Ho-Min East Asian Language & Lit
   Continue from Year 5 of project with fifth cohort of students.
   Intensive training in advanced and specific-purpose Korean provided to National Security Education Program Fellowship supported and self-funded students.

2. DOD-Natl Security Education Program $221,538
   "University of Hawaii Korean Flagship Program (Overseas at Korea University)"
   Sohn, Ho-Min East Asian Language & Lit
   Continue from Year 3 of project with fourth cohort of students.
   Intensive training in advanced and specific-purpose Korean provided to Korean Flagship students at Korea University, Seoul Korea, with local internships and specialized study.

3. DOD-Naval Research Laboratory $39,000
   "Aha Hulikoa Workshop Series"
   Muller, Peter Oceanography - SOEST
   Support to hold the 15th 'Aha Huliko'a Hawaiian Winter Workshop Series, at the IMIN Conference Center, Asia Room, 1777 East West Road, Honolulu, HI 96822 on Jan. 23-26, 2007.

4. DOD-Naval Research Laboratory $587,920
   "Supplement to: R/V KILO MOANA Ship Operations and Technical Support Services"
   Taylor, Brian Sch Ocean,Earth Sci & Tec
   Supplement to: R/V KILO MOANA Ship Operations and Technical Support Services.

FROM: DOI-Dept of Interior

1. DOI-Fish & Wildlife $5,000
   "Avian Influenza Surveillance Project"
   Duffy, David Botany
   Pick up and test reported dead chickens for Avian influenza virus.

2. DOI-Fish & Wildlife $59,850
   "USFWS Support for CGAPS and the ISCS - Avian Influenza Surveillance Project"
   Duffy, David Botany
   Add an avian influenza public awareness campaign to the existing Coordinating Group for Alien Pest Species project.
3. DOI-Fish & Wildlife

"A Surveillance Plan for Asian H5n1 Avian Influenza in Wild Migratory Birds in Hawaii and the U.S. Affiliated Pacific Islands (Support for CGAPS)"

Duffy, David Botany
Supplement the avian influenza public awareness campaign within the Coordinating Group for Alien Pest Species project.

4. DOI-Fish & Wildlife

"Hawaii Conference Alliance"

Puttock, Christopher Pacific Biosciences Research
Organize and facilitate the annual Hawaii Conservation Conference as well as other various conservation training sessions as needed. Facilitate and oversee the development of information papers on critical conservation issues as determined by the HCA membership. Organize and facilitate meetings among stakeholders that promote natural resource management and conservation.

5. DOI-Geological Survey

"Biodiversity Research Program"

Sakamoto, Clyde Maui CC
This cooperative agreement will allow U.S. Geological Survey to co-locate at Maui Community College and involve students, faculty and staff to participate in biodiversity research and field work.

6. DOI-Nat'l Park Service

"Educational Outreach in the Islands: Prepare Version 3.0 of the "Natural History Guide to American Samoa""

Duffy, David Botany
Update and write selected new chapters of the "Natural History Guide to American Samoa.

7. DOI-Nat'l Park Service

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

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

8. DOI-Nat'l Park Service

"Restoration of the Main Seawall, Kaloko-Honokohau National Historic Park"

Duffy, David Botany
Assist NPS in the restoration of Kaloko Fishpond and documentation of traditional Hawaiian masonry, including training newly hired NPS masons.
FROM: ED-Dept of Education

1. ED-Dept of Education $344,000
   "CIBER 2006-10: Enhancing U.S. Service Competitiveness in the Asia Pacific Region"
   Daniel, Shirley J College of Business
   Enhancing U.S. Service Industry Competitiveness in the Asia Pacific Region.

2. ED-Dept of Education $201,599
   "The University of Hawaii at Manoa Educational Talent Search Program (METS)"
   Goo, Maile Office of Student Affairs
   The University of Hawaii at Manoa Educational Talent Search program will serve 600 participants from 3 schools in the Leeward district of Oahu. Two-thirds of participants will be from low-income families and will be potential first-generation college students. Comprehensive educational support and services will be provided to ensure educational success.

3. ED-Dept of Education $372,805
   "Educational Talent Search"
   Haleamau-Kam, Raynette Hawaii CC
   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.

4. ED-Dept of Education $219,612
   "Hui Malama o ke Kai"
   Hirose-Wong, Shannon Public Health Sciences
   Program for Native Hawaiian youth and their families in the Waimanalo community designed to prevent violence in and around schools and prevent the illegal use of alcohol and drugs.

5. ED-Dept of Education $220,000
   "Honolulu Community College Student Support Services Project"
   Suda, Jolene Honolulu CC
   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.
6. ED-Dept of Education  
"Maui Community College Student Support Services Program"  
Tagomori, Alvin R  
Maui CC  
A program designed to promote postsecondary education for low-income, first generation MCC students.

7. ED-Dept of Education  
"Student Support Services Program"  
Yoshimoto, Melven M  
Student Academic Services  
Provide services and activities to increase retention and graduation rates of program-eligible students; foster campus climate to support students' success.

FROM: National Science Foundation

1. National Science Foundation  
"Acquisition of an Electron Microprobe"  
Garcia, Michael O  
Geology & Geophys - SOEST  
To purchase an electron microprobe.

2. National Science Foundation  
"Collaborative Research: Akamai Workforce Initiative"  
Hoffman, Mark  
Maui CC  
Provide training in electro-optics for diverse student population through innovative, culturally relevant curriculum, designed to meet workforce needs and establish building blocks for statewide program reaching from K-12 to the workforce.

3. National Science Foundation  
"The GK-12 Program in Hawaii: A Model for Integrating Research in K-12 Science Education"  
Kaneshiro, Kenneth Y  
Pacific Biosciences Research  
Coordination and Hosting of an Ocean Literacy Workshop in Hawaii to fulfill request made by Inter Agency Working Group - Ocean Education.

4. National Science Foundation  
"Collaborative Project: Multi-University Systems Education (MUSE) - A Model for Undergraduate Learning of Complex-Engineered Systems"  
Shiroma, Wayne A  
Electrical Engineering  
Develop curriculum for systems-oriented engineering.
5. National Science Foundation $900,000
"University of Hawaii Ship Operations 2005-2009"
Taylor, Brian Sch Ocean,Earth Sci & Tec

FROM: Nat'l Aeronautics & Space Administration

1. Nat'l Aeronautics & Space Administration $24,000
"Can New Satellite Capabilities be Used to Infer CCN? An Empirical Assessment Based on In-situ Airborne Data Year 2 Report"
Clarke, Antony D Oceanography - SOEST
Continue in achieving the goals of the project in the 3rd year by finding the relationship between the aerosol optical properties and the cloud, condensation nuclei (CCN) concentrations.

2. Nat'l Aeronautics & Space Administration $24,000
"Constraining Aerosol Size Distributions and their Optical Properties in Climate Models Using In-situ Airborne Measurements Year 2 Report"
Clarke, Antony D Oceanography - SOEST
Continue in achieving the goals of the project by using the in-situ aircraft data from NASA's Intext experiments to improve the parameterizations of aerosol optical properties from different aerosol classes and regions in Mexico City pollution vs. Ohio River Valley.

FROM: Independent Federal Agencies- Minor

1. Corporation for National and Community Service $400,000
"Intergenerational Solutions in Island Societies"
Pascua, Atina T SVP - Academic Affairs
Hawaii Pacific Islands Campus Compact (HIPICC) will support cross institutional collaborations to build a statewide and regional infrastructure for service-learning and civic responsibility that connects and engages 15-20 college and university subgrantees in Hawaii, American Samoa, Guam, and the Commonwealth of the Northern Marianas (CNMI).

2. Smithsonian Institution $130,730
"Submillimeter Array Post Doctoral Fellowship"
McLaren, Robert A Institute for Astronomy
The Smithsonian Institution Astrophysical Observatory continues funding of the Submillimeter Array Post Doctoral Fellowship. The fellows will carry out research with the Submillimeter Array telescope located at Mauna Kea and will contribute to research activities and facilitate interaction with other scientists within the Institute for Astronomy.
FROM: Hawaii- Government Agencies

1. CCH-Dept of Parks & Recreation  $465,325
   "Hanauma Bay Education Program 2005-2008"
   Okimoto, Darren  Sea Grant - SOEST
   Our program will continue to introduce Hanauma Bay and malama kai concepts to the 1.2 million annual visitors through its professional University staff and trained corps of volunteers.

2. DOH-Adult Mental Health  $4,397,623
   "Research & Evaluation, Psychosocial Rehabilitation, and Management Info. System Services"
   Wylie, Alexander M  College of Social Sciences
   Provide mental health services research evaluation and training, psychosocial rehabilitation and MIS services to AMHD.

3. Hawaii-Dept of Education  $20,000
   "Evaluating Services for the Kapolei Rendevous with Investigation Math and Inquiry Project"
   Afaga, Lorna  CRDG
   Provide services for the Rendevous with Investigation Math and Inquiry Project of the Kapolei Complex to evaluate implementation and data for its intended outcomes.

4. Hawaii-Dept of Education  $22,000
   "An Evaluation of the Nanakuli, Pearl City and Waipahu (NPW) Complexes' NCLB Consolidated Grant MOA in 2006-07"
   Higa, Terry Ann  CRDG
   The evaluators will study the implementation and outcomes of the project, with special emphasis on the lesson study component.

5. Hawaii-Dept of Education  $14,953
   "Volunteer Partners Pilot Program - Year 2"
   Nguyen, Thanh Truc T.  CRDG
   To conduct a formative evaluation of the "Volunteer and Partners Pilot Program -- Year 2" of the Hawaii State Department of Education. The evaluation will include a development and administering of questionnaires as well as interviews with personnel involved in the pilot program.
6. Hawaii-Dept of Health  
"Project Ho'omohala - Transition to Adulthood"  
Johnson, Jean  
Center on Disability Studies  
The goal of this project is to implement and evaluate a system of care encompassing the Transition to Independence Process for youth with emotional and behavioral challenges between the ages of 15-21, who live in the Kalihi-Palama area.

7. Hawaii-Dept of Health  
"Wai Aka Young Adult Support Organization"  
Johnson, Jean  
Center on Disability Studies  
The purpose of this organization is to develop a statewide youth network of self advocates among youth with emotional and behavioral challenges. These youth will receive training and mentoring to assist them in their transitions to independence. Subsequently, they will recruit other youth and become mentors and advocates for them.

8. Hawaii-Dept of Health  
"Sexual Violence Prevention Project"  
Quemuel, Christine  
Stdnt, Eqty, Excel & Div.  
The UH Manoa Women's Center will pilot the development of a model for permanent campus infrastructure to address sexual violence prevention and victim services at UH Hilo at Kapiolani Community College, followed by implementation at all other UH campuses in the following years.

9. Hawaii-Dept of Human Services  
"Task Order 5: Hawaii Child Welfare Continuous Quality Improvement Project"  
Stein, Lee  
Maui CC  
Maui Community College will assist the Hawaii Department of Human Services with enhancing the skills of casework staff and the development and implementation of a comprehensive quality assurance system for Child Welfare Services. These services will be funded by federal reimbursements earned under Title IV-E of the Social Security Act.

10. Hawaii-State Foundation on Culture & the Arts  
"Presenting & Touring Outreach"  
Slaughter, Timothy R  
Outreach College  
Presenting and touring artistic and cultural programs throughout the state to a variety of communities.
FROM: Hawaii- Associations, Foundations, Societies, etc.

1. General Contractors Assoc. of HI - Ed "Construction Management Program"
Yeh, Raymond W H School of Architecture
To support the bachelor's degree in the interdisciplinary arts with emphasis in construction management program at the school of architecture.

2. Hawaii State Primary Care Assoc "Hawaii Primary Care Cessation Network"
Gotay, Carolyn C Cancer Research Center
This project seeks to create a primary care cessation network to promote the use of evidence-based approaches to tobacco cessation in all of Hawaii’s 13 Federally Qualified Health Centers (FQHCs). The project will be carried out in collaboration with the National Cancer Institute's Cancer Information Service, Pacific

Gretz, Wallace Facilities Plan & Mgmt
1. Boundary survey; 2. Construction of 280 feet of gravel pathways, 100 feet of asphalt sidewalk, a concrete planter, and 3 ADA walkway ramps; 3. Placement of earth fill; 4. Installation of an irrigation system; and 5. Planting of 67 trees and palms, 300 shrubs, 1110 ground cover plants and 4500 square feet of grass.

4. YMCA of Honolulu "Weed & Seed Evaluation Study"
Kumaran, Muthusami College of Social Sciences
Evaluate the Weed and Seed Strategy in Ewa Site: conduct five focus group meetings, phone interviews and personal interviews with stakeholders and the Ewa community; analyze data; provide a

FROM: Hawaii- Business and Other

1. Hawaii Farm Bureau Federation "Hawaii Farm Bureau Federation's Professional Development Program: Enhancing On-Farm Performance in Food Safety to Market the Highest Quality Produce"
Hollyer, James R College of Tropical Ag &
To offer one-on-one, on-farm food safety coaching at no-cost to a select number of willing Hawaii produce growers over a 12-month period. The project will enhance awareness and skills in adopting Good Agricultural Practices/Good Handling Practices, and assist a select number of producers in their preparation to have their own farm food safety audit.
2. Hawaii Farm Bureau Federation $20,000
   "Agricultural Biotechnology and Marketing Outreach for Hawaii Crops"
   Wieczorek, Anna Tropical Plant & Soil Science
   The goal of this project is to inform and educate the community on the subject of Genetic Engineering so that the communities will be empowered to make informed decisions about the adoption or rejection of these crops, and to improve the marketing of these crops internationally.

3. Olelo Community Television $454,750
   "An Educational Access Plan for the Year 2007"
   Okimoto, Hae K Info Technology Services
   Produce courses and programs for the public access channel, Oceanic 55.

4. Queen Liliuokalani Children's Ctr $30,000
   "Hawaiian Learning Program"
   Matsuoka, Jon K School of Social Work
   For the development and implementation of the Hawaiian Learning Program, a specialized training program for Master's level students in social work to increase their knowledge understanding and skill in working with Native Hawaiian children and their families.

5. University of Hawaii Professional Assembly $48,244
   "UHPA 2 Year Agreement with Leeward CC to Reimburse UHPA President Release Time"
   Goodman, James Leeward CC
   UHPA to provide LCC with a lecturer B replacement for incoming President Joseph Chernisky (LCC faculty member), for 2 academic years for a total of 24 credits plus fringe benefits.

FROM: Hawaii Health Organizations

1. Hawaii Medical Service Assoc Foundation $9,869
   "Hawaii Telehealth Collaborative Symposium"
   Birkmire-Peters, Deborah School of Medicine
   Organize and conduct a full-day symposium inviting key stakeholders in Hawaii to form a collaborative group to maximize the potential benefits of telehealth in Hawaii's healthcare system.
2. Univ. Clinical, Education & Research Assoc. $96,967
"Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement No. SF08-UCERA FAM-FH"
Palafox, Neal A Fam Prac & Comm Hlth- MED
Salary, Fringe Benefits & Malpractice insurance premium reimbursement by University Clinical, Education & Research Associates (UCERA) to University of Hawaii John A. Burns School of Medicine for 200%FTE services by physicians of Department of Family Medicine & Community Health for 5 Months.

3. Waianae Coast Comprehensive Health Center $54,634
"Waianae Health Academy--Ola Loa Ka Naauao"
Ringuette, David A Windward CC
Offer agriculture classes leading to a Certificate of Completion--Agricultural Technology at Waianae Coast Comprehensive Health Center.

FROM: Mainland- Associations, Foundation, Soc, etc.

1. Western States Communication Assoc. $9,500
"Associate Editor for Communication Reports"
Sharkey, William Speech
Associate Editor for Communication Reports: aid Editor, shorten manuscripts, clean manuscripts of errors, process new manuscript submissions, select reviewers, and monitor review progress.

FROM: Mainland- Health Organizations

1. Association of American Medical Colleges $20,000
"Hawaii H.O.M.E. Mobile Clinic Initiative"
Omor(Minami), Jill S Fam Prac & Comm Hlth- MED
The outfitting and maintenance of a Handi-Van to be used as a mobile clinic for the homeless of Oahu through the Hawaii HOME (Homeless Outreach and Medical Education) Project.

FROM: U.S. Universities and Colleges

1. Mississippi State University $580
"University of Hawaii Participation in MOS University Consortium PET Project"
Lassner, David K Info Technology Services
The University of Hawaii will support the MOS University Team with the Education, Outreach & Training plus other components of the DoD PET Program.
2. Utah State University $15,000
"SARE Professional Development Program Plan for Hawaii"
Deenik, Jonathan Tropical Plant & Soil Science
To provide six intermediate level video-workshops about sustainable agriculture practices and six field days for CES and NRCS training.

FROM: All Non-U.S.

1. Commonwealth of Northern Mariana Islands $103,000
"CNMI SIG"
Stodden, Robert A Center on Disability Studies
Support Northern Marianas College in the areas of certification training, leadership training and team development, provision of evaluation information and feedback for training purposes, and production/preparation of materials and information for dissemination and training purposes.

2. Japan Foundation $3,190
"Computer Assisted Systems for Teaching and Learning Japanese (CASTL-J)"
Shinagawa, Satoru College of Lang, Ling, & Lit
To plan, organize, implement, and evaluate a CASTEL-J conference at Kapiolani Community College from August 3-5, 2007 and develop a formal CASTEL-J consortium.

3. Tokyo Metropolitan University $6,000
"Arrangement of Historical Observation Dataset for Philippines Meteorological Stations"
Xie, Shang-Ping Meteorology - SOEST
To duplicate the "Philippine Islands Weather Bureau Monthly Bulletin" from 1901 to 1940.
Funds Received from UH Foundation

RESEARCH AWARDS

FROM: Hawaii-Associations, Foundations, Societies, etc.

1. Univ of Hawaii Foundation $24,000

"Respiratory Health"
Tam, Elizabeth K Medicine-MED
Teach General Internal Medicine Ambulatory and inpatient care to medical students and medical residents; assist in clinical research; provide consultative care in inflammatory/immunologic diseases; develop/evaluate training programs.

NON-RESEARCH AWARDS

FROM: Hawaii-Associations, Foundations, Societies, etc.

1. Univ of Hawaii Foundation $101,053

"Center of Excellence in Geriatrics"
Blanchette, Patricia Geriatrics-MED
To attract additional outstanding faculty to academic careers in Geriatric medicine and to facilitate in their career development.

2. Univ of Hawaii Foundation $12,000

"Laila Art Fellows"
Chan, Gaye M College of Arts & Humanities
Funds to pay Laila Art Fellows their monthly stipends.

3. Univ of Hawaii Foundation $348,660

"Freeman Foundation - International Language Study and Service Learning in Asia"
Richards, Leon Kapiolani CC
Training program for CC students to develop foreign language skills.
# SUMMARY

**EXTRAMURAL RESEARCH AWARDS, 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>13</td>
<td>$1,246,930</td>
<td>2.87</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>25</td>
<td>$10,242,210</td>
<td>23.56</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>34</td>
<td>$17,261,224</td>
<td>39.71</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>9</td>
<td>$4,024,866</td>
<td>9.26</td>
</tr>
<tr>
<td>DOE-Dept of Energy</td>
<td>2</td>
<td>$320,473</td>
<td>0.74</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>18</td>
<td>$1,430,153</td>
<td>3.29</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>1</td>
<td>$83,601</td>
<td>0.19</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>7</td>
<td>$4,926,293</td>
<td>11.33</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>3</td>
<td>$322,408</td>
<td>0.74</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>10</td>
<td>$1,887,479</td>
<td>4.34</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>4</td>
<td>$184,900</td>
<td>0.43</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>8</td>
<td>$337,297</td>
<td>0.78</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>3</td>
<td>$210,700</td>
<td>0.48</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>7</td>
<td>$172,241</td>
<td>0.40</td>
</tr>
<tr>
<td>Mainland- Health Organizations</td>
<td>1</td>
<td>$4,000</td>
<td>0.01</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>5</td>
<td>$163,432</td>
<td>0.38</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>7</td>
<td>$420,069</td>
<td>0.97</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>2</td>
<td>$231,696</td>
<td>0.53</td>
</tr>
<tr>
<td></td>
<td>159</td>
<td>$43,469,972</td>
<td>100.00</td>
</tr>
</tbody>
</table>
## SUMMARY

**EXTRAMURAL NON-RESEARCH AWARDS, 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>2</td>
<td>$33,000</td>
<td>0.17</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>10</td>
<td>$3,518,110</td>
<td>18.57</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>4</td>
<td>$280,792</td>
<td>1.48</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>4</td>
<td>$1,450,579</td>
<td>7.66</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>8</td>
<td>$225,209</td>
<td>1.19</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>7</td>
<td>$1,956,811</td>
<td>10.33</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>5</td>
<td>$1,565,316</td>
<td>8.26</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>2</td>
<td>$48,000</td>
<td>0.25</td>
</tr>
<tr>
<td>Independent Federal Agencies- Minor</td>
<td>2</td>
<td>$530,730</td>
<td>2.80</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>10</td>
<td>$7,341,894</td>
<td>38.76</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>7</td>
<td>$960,807</td>
<td>5.07</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>5</td>
<td>$712,994</td>
<td>3.76</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>3</td>
<td>$161,470</td>
<td>0.85</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>1</td>
<td>$9,500</td>
<td>0.05</td>
</tr>
<tr>
<td>Mainland- Health Organizations</td>
<td>1</td>
<td>$20,000</td>
<td>0.11</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>2</td>
<td>$15,580</td>
<td>0.08</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>3</td>
<td>$112,190</td>
<td>0.59</td>
</tr>
<tr>
<td></td>
<td>76</td>
<td>$18,942,982</td>
<td>100.00</td>
</tr>
</tbody>
</table>
## YEAR-TO-DATE SUMMARY
### EXTRAMURAL RESEARCH AWARDS,
#### 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>21</td>
<td>$2,420,237</td>
<td>2.70</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>52</td>
<td>$30,089,974</td>
<td>33.57</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>45</td>
<td>$22,297,022</td>
<td>24.87</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>44</td>
<td>$7,762,379</td>
<td>8.66</td>
</tr>
<tr>
<td>DOE-Dept of Energy</td>
<td>9</td>
<td>$1,358,309</td>
<td>1.52</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>22</td>
<td>$1,664,341</td>
<td>1.86</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>1</td>
<td>$83,601</td>
<td>0.09</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>56</td>
<td>$14,247,681</td>
<td>15.89</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>20</td>
<td>$1,901,666</td>
<td>2.12</td>
</tr>
<tr>
<td>Independent Federal Agencies- Minor</td>
<td>1</td>
<td>$120,000</td>
<td>0.13</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>28</td>
<td>$2,902,364</td>
<td>3.24</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>12</td>
<td>$357,560</td>
<td>0.40</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>14</td>
<td>$613,154</td>
<td>0.68</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>2</td>
<td>$34,265</td>
<td>0.04</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>8</td>
<td>$291,251</td>
<td>0.32</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>11</td>
<td>$625,884</td>
<td>0.70</td>
</tr>
<tr>
<td>Mainland- Health Organizations</td>
<td>2</td>
<td>$62,587</td>
<td>0.07</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>18</td>
<td>$916,168</td>
<td>1.02</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>25</td>
<td>$1,540,475</td>
<td>1.72</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>5</td>
<td>$351,112</td>
<td>0.39</td>
</tr>
<tr>
<td></td>
<td><strong>396</strong></td>
<td><strong>$89,640,030</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
YEAR-TO-DATE SUMMARY
EXTRAMURAL NON-RESEARCH AWARDS,
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>7</td>
<td>$2,350,890</td>
<td>4.19</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>25</td>
<td>$6,774,419</td>
<td>12.08</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>9</td>
<td>$946,223</td>
<td>1.69</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>5</td>
<td>$2,199,608</td>
<td>3.92</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>9</td>
<td>$455,209</td>
<td>0.81</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>37</td>
<td>$16,505,087</td>
<td>29.44</td>
</tr>
<tr>
<td>HUD-Dept of Housing &amp; Urban Development</td>
<td>2</td>
<td>$1,381,247</td>
<td>2.46</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>9</td>
<td>$2,745,354</td>
<td>4.90</td>
</tr>
<tr>
<td>Nat’l Aeronautics &amp; Space Administration</td>
<td>5</td>
<td>$693,646</td>
<td>1.24</td>
</tr>
<tr>
<td>Independent Federal Agencies- Minor</td>
<td>3</td>
<td>$540,730</td>
<td>0.96</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>29</td>
<td>$14,234,227</td>
<td>25.39</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>30</td>
<td>$1,842,352</td>
<td>3.29</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>9</td>
<td>$1,306,809</td>
<td>2.33</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>14</td>
<td>$3,334,598</td>
<td>5.95</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>7</td>
<td>$193,180</td>
<td>0.34</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>1</td>
<td>$33,330</td>
<td>0.06</td>
</tr>
<tr>
<td>Mainland- Health Organizations</td>
<td>1</td>
<td>$20,000</td>
<td>0.04</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>6</td>
<td>$193,271</td>
<td>0.34</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>6</td>
<td>$126,305</td>
<td>0.23</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>4</td>
<td>$132,190</td>
<td>0.24</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>1</td>
<td>$56,270</td>
<td>0.10</td>
</tr>
<tr>
<td></td>
<td>219</td>
<td>$56,064,944</td>
<td>100.00</td>
</tr>
</tbody>
</table>
Awards Received by University of Hawaii at Hilo

RESEARCH AWARDS

FROM: DOA-Dept of Agriculture

1. DOA-Dept of Agriculture $9,000
   "Sustainability of Tropical Pastures '07"
   Bruce Mathews UHH-Agriculture

FROM: DHHS-Dept of Health and Human Services

1. DHHS-Dept of Health and Human Services $141,700
   "UHH Cell Basis FY 08"
   Jon Pierre Michaud UHH-Natural Science

FROM: DOI-Dept of Interior

1. DOI-Dept of Interior $43,000
   "UHH Hawaiian Vegetation Mapping Project"
   Sharon Ziegler-Chong UHH-Aquaculture

2. DOI-Dept of Interior $46,870
   "UHH Molecular Tools Genetic Analysis"
   Sharon Ziegler-Chong UHH-Aquaculture

3. DOI-Dept of Interior $263,000
   "UHH PBIN:Operation and PIERC"
   Sharon Ziegler-Chong UHH-Aquaculture

4. DOI-Dept of Interior $10,000
   "UHH Hawaiian Forest Bird Database Research"
   Sharon Ziegler-Chong UHH-Aquaculture

5. DOI-Dept of Interior $100,000
   "UHH PBIN:PIERC/Hear Invasive Species"
   Sharon Ziegler-Chong UHH-Aquaculture
<table>
<thead>
<tr>
<th>#</th>
<th>From Department</th>
<th>Award Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>DOI-Dept of Interior</td>
<td>$55,149</td>
<td>&quot;UHH Endangered Plant Species HNVP&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Sharon Ziegler-Chong</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>UHH-Aquaculture</td>
</tr>
<tr>
<td>7</td>
<td>DOI-Dept of Interior</td>
<td>$37,000</td>
<td>&quot;UHH Analysis Lab/Field Data Avian</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Sharon Ziegler-Chong</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>UHH-Aquaculture</td>
</tr>
<tr>
<td>8</td>
<td>DOI-Dept of Interior</td>
<td>$15,000</td>
<td>&quot;UHH Hawaiian Forest Database:Hawaiian Hawk&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Sharon Ziegler-Chong</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>UHH-Aquaculture</td>
</tr>
</tbody>
</table>

**NON-RESEARCH AWARDS**

<table>
<thead>
<tr>
<th>#</th>
<th>From Department</th>
<th>Award Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DOA-Dept of Agriculture</td>
<td>$11,500</td>
<td>&quot;PACRC Internship Program&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Sharon Ziegler-Chong</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>UHH-Aquaculture</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>#</th>
<th>From Department</th>
<th>Award Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DHHS-Dept of Health and Human Services</td>
<td>$250,000</td>
<td>&quot;Minority Health Youth Empowerment&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Errol Yudko</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>UHH-Social Sciences</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>#</th>
<th>From Department</th>
<th>Award Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>NSF-Nat’l Science Foundation</td>
<td>$429,518</td>
<td>“20th Annual EPSCoR Conference/Program Income&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Rose Tseng</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>UHH-Chancellor’s Office</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>#</th>
<th>From Department</th>
<th>Award Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>State Dept of Health</td>
<td>$20,000</td>
<td>&quot;Family Planning Services FY08&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Carolyn Lesnett</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>UHH-Health</td>
</tr>
</tbody>
</table>
FROM: Hawaii Association, Foundation & Societies

1. UH Foundation
   "Capturing the Momentum:P3 Initiative"

   April Housman               UHH-Hawaiian Studies

   $115,000
### UNIVERSITY OF HAWAII AT HILO SUMMARY
### EXTRAMURAL RESEARCH AWARDS, SEPTEMBER 2007 - SEPTEMBER 2007

**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>DOA-Dept of Agriculture</td>
<td>1</td>
<td>$9,000</td>
<td>1.00</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>1</td>
<td>$141,700</td>
<td>20.00</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>8</td>
<td>$570,019</td>
<td>79.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>10</strong></td>
<td><strong>$720,719</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
**UNIVERSITY OF HAWAII AT HILO SUMMARY**

**EXTRAMURAL NON-RESEARCH AWARDS, SEPTEMBER 2007 - SEPTEMBER 2007**

**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>DOA-Dept of Agriculture</td>
<td>1</td>
<td>$11,500</td>
<td>1.00</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>1</td>
<td>$250,000</td>
<td>30.00</td>
</tr>
<tr>
<td>NSF-Nat'l Science Foundation</td>
<td>1</td>
<td>$429,518</td>
<td>52.00</td>
</tr>
<tr>
<td>Hawaii Government Agencies</td>
<td>1</td>
<td>$20,000</td>
<td>2.00</td>
</tr>
<tr>
<td>Hawaii Association, Foundations &amp; Societies</td>
<td>1</td>
<td>$115,000</td>
<td>15.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>5</strong></td>
<td><strong>$826,018</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
### UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

**EXTRAMURAL RESEARCH AWARDS, JULY 2007 - SEPTEMBER 2007**

**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>DOA-Dept of Agriculture</td>
<td>1</td>
<td>$9,000</td>
<td>0.00</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>3</td>
<td>$807,487</td>
<td>41.00</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>16</td>
<td>$1,028,986</td>
<td>52.00</td>
</tr>
<tr>
<td>DOJ-Dept of Justice</td>
<td>1</td>
<td>$23,406</td>
<td>1.00</td>
</tr>
<tr>
<td>NSF-Nat’l Science Foundation</td>
<td>1</td>
<td>$40,500</td>
<td>2.00</td>
</tr>
<tr>
<td>Hawaii Government Agencies</td>
<td>2</td>
<td>$37,723</td>
<td>2.00</td>
</tr>
<tr>
<td>Hawaii Business and Other</td>
<td>2</td>
<td>$45,123</td>
<td>2.00</td>
</tr>
<tr>
<td>Total</td>
<td>26</td>
<td>$1,992,225</td>
<td>100.00</td>
</tr>
</tbody>
</table>
UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY
EXTRAMURAL NON-RESEARCH AWARDS, JULY 2007 - SEPTEMBER 2007
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>DOA-Dept of Agriculture</td>
<td>1</td>
<td>$11,500</td>
<td>0.00</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>5</td>
<td>$2,990,597</td>
<td>58.00</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>2</td>
<td>$386,382</td>
<td>8.00</td>
</tr>
<tr>
<td>NSF-Nat'l Science Foundation</td>
<td>1</td>
<td>$429,518</td>
<td>8.00</td>
</tr>
<tr>
<td>Hawaii Business &amp; Other</td>
<td>3</td>
<td>$1,195,790</td>
<td>23.00</td>
</tr>
<tr>
<td>Hawaii Government Agencies</td>
<td>1</td>
<td>$20,000</td>
<td>0.00</td>
</tr>
<tr>
<td>Hawaii Association, Foundations &amp; Societies</td>
<td>1</td>
<td>$115,000</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>14</strong></td>
<td><strong>$5,148,787</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
Gifts, Grants, and Contracts

The following gifts, grants, and contracts received during the period October 1, 2007 through October 31, 2007 total $24,081,587. The University of Hawai‘i at Hilo received a total of $1,645,160 during the same period.

Gifts, Grants, and Contracts Received October 1-31, 2007

RESEARCH AWARDS

FROM: DA-Dept of Agriculture

FROM: DHHS-Dept of Health & Human Services

1. National Institutes of Health $76,750
   "Interactions of Coenzyme Q10 with Plasma Tocopherols and their Role in Breast Cancer Prevention"
   Cooney, Robert V Cancer Research Center
   This application proposes to analyze 1,566 extracted plasma samples from breast cancer patients and controls for Coenzyme Q10 and tocopherols as part of an epidemiologic study of breast cancer and all cause mortality.

2. NIH-Natl Cancer Institute (NCI) $519,195
   "Physical Activity in Women with Infants"
   Albright, Cheryl Cancer Research Center
   Intervention to encourage sustained increases in physical activity in a multiethnic population of 300 young, healthy women.

3. NIH-Natl Center for Minority Health Disparities $1,502,671
   "Partnerships for Cardiometabolic Disparities in Native and Pacific Peoples"
   Mau, Marjorie K Native Hawaiian Health- MED
   The goal of this proposal is to eliminate health disparities and to improve the health and wellness of Native and Pacific Peoples through research and partnership, increasing opportunities for synergy and collaboration that are trans-disciplinary, innovative and culturally grounded.
4. NIH-Natl Inst of Neurological Disorders & Stroke $201,469
"The Novel Matrix Structures Fractones Promote FGF-2 in the Neural Stem Cell Niche"
Mercier, Frederic Pacific Biomed Rsrch Cntr
The goal of this research proposal is to characterize the role of the novel extracellular matrix structures (fractones) recently characterized by the principal investigator in the adult brain neurogenic zone. The work will demonstrate for the first time the functional implication of fractones in neural stem cell proliferation in adulthood.

5. NIH-Natl Inst of Nursing Research $300,000
"Center for ‘Ohana and Self-Management of Chronic Illnesses in Hawaii (COSMCI): Building Research Teams for the Future"
Inouye, Jillian Nursing
To establish the Center for ‘Ohana and Self-Management of Chronic Illness in Hawaii (COSMCI) whose vision is to understand, develop and test family, community, and culturally appropriate interventions to enhance ‘ohana and self-management techniques that will reduce health disparities in diverse groups with chronic illnesses.

FROM: DOC-Dept of Commerce

1. DOC-National Oceanic & Atmospheric $32,379
"Sea Grant College Program Institutional Program"
Grau, E Gordon Sea Grant - SOEST
To promote an innovative and effectively managed program of research, education, and outreach directed to the improved understanding, management, and wise use of marine resources of the state, region, and nation.

2. DOC-National Oceanic & Atmospheric $87,386
"Evaluation and Improvement of NOAA Climate GCM Air-Sea Interaction Physics: An EPIC/VOCALS Synthesis Project"
Wang, Yuqing JIMAR - SOEST
This is a proposal for a joint NOAA/ESRL and University of Hawaii effort to synthesize recent CPPA-funded research to promote its application in the NOAA Coupled Forecasting System (CFS) model. Our plan is to work within the Climate Testbed structure with NOAA scientists involved with CFS.
FROM: DOD-Dept of Defense

1. DOD-Advanced Research Project Agency $127,740
   "Manduca blackburni Sphinx Moth as a Model Organism for Hybrid Insect MEMS Technology and Feasibility Study for Aquatic Beetle MEMS"
   Rubinoff, Daniel Plant & Environmental Development of a rearing protocol for the threatened moth Manduca blackburni and development of Hybrid implant technology to track individual insects.

2. DOD-Dept of Air Force $877,275
   "Operations and Management of the Maui Supercomputing Center"
   Lassner, David K Info Technology Services Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.

3. DOD-Dept of Air Force $25,065
   "Operations and Management of the Maui Supercomputing Center"
   Lassner, David K Info Technology Services Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.

4. DOD-Dept of Defense $211,823
   "Pacific Disaster Center TAC and AFRICOM Initiative"
   Gaines, James R VP for Research The Pacific Disaster Center will provide support in the development of a Trends Analysis Center (TAC) and for support of the AFRICOM initiative and develop a plan for the future spin-off of some or all of the PDC into one or more private non-profit and/or for-profit entities.

5. DOD-Dept of Defense $550,000
   "Pacific Disaster Center Support of Humanitarian Assistance and Disaster Management Information Needs in Africa"
   Gaines, James R VP for Research As part of strengthening the institutional capacity of the Africa Civil-Military Forum, the Pacific Disaster Center will engage a wide range of stakeholders that includes the Non-governmental Organization/International Organizations community in Africa.
6. DOD-Dept of Navy $3,200
"Assimilation of Long-Range Lightning Data over the Pacific"
Businger, Steven Meteorology - SOEST
This proposal seeks modest support for continued development of PacNet and to support operational utilization of the data stream at NRL for (i) nowcasting convective activity, (ii) convective rainfall analyses over the Pacific, and (iii) to improve marine prediction of cyclogenesis and squall-line motion through sferics data assimilation in COAMP and NOGAPS.

FROM: ED-Dept of Education

1. ED-Off of Special Ed/Rehab Services $300,000
"Multimedia for Literacy in English Language Learners with Disabilities"
Dowrick, Peter W Center on Disability Studies
This project will examine significant questions related to the development of literacy in adolescents with disabilities, based in communities with key characteristics (poor economic conditions, linguistic diversity) that challenge typical approaches to the teaching and learning of reading and writing.

FROM: Environmental Protection Agency

1. Environmental Protection Agency $90,000
"Solarization and Cover Crop as Alternatives to Soil Fumigants for Hawaii Pineapple Growers"
Hooks, Cerruti R R Plant & Environmental
Involves using soil solarization and the cover crop sunn hemp to suppress pathogens impacting pineapple yields.

FROM: National Science Foundation

1. National Science Foundation $129,004
"The Application of Global Positioning System (GPS) Sondes to Hurricane Intensity Evolution"
Barnes, Gary M Meteorology - SOEST
Use the Global Positioning Sondes deployed from research aircraft in several hurricanes to understand intensity evolution and tornadogenesis within the storm.

2. National Science Foundation $7,000
"Host Institutional Allowance: Postdoctoral Fellowship in Astronomy and Astrophysics"
Johnson, John A. Institute for Astronomy
Support for Dr. John Johnson's research project.
3. National Science Foundation  
"CAREER: Bridging Modern Computational Capabilities and Observations of Solar Magnetic Fields with Expanding Solar Physics Education at the…"
Roussev, Ilia I.  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.

FROM: Nat'l Aeronautics & Space Administration

1. Nat'l Aeronautics & Space Administration  
"Testing the Relation Between UVVIS Color and Ti02"
Gillis-Davis, Jeffrey  Haw Inst Geophys & Planet
We propose to integrate lab experiments, spectral modeling, and remote sensing data to examine the extent to which color variations in lunar basalts depend upon ilmenite content and how other factors contribute or detract from this canonical correlation. This work aims to provide quantitative and geologic understanding of factors that affect the UVVIS continuum.

2. Nat'l Aeronautics & Space Administration  
"Thermal Infrared Spectroscopic Studies of Geologic Materials for Application to Earth and Mars"
Hamilton, Victoria  Haw Inst Geophys & Planet
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.

3. Nat'l Aeronautics & Space Administration  
"Detailed Investigations of Mars' Surface Mineralogy and Geology Using Visible to Infrared Data"
Hamilton, Victoria  Haw Inst Geophys & Planet
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.
4. Nat'l Aeronautics & Space Administration  
"Spectroscopy of Natural Glasses and Constraints on Mineral Detectability in the Middle Infrared"
Hamilton, Victoria  
Haw Inst Geophys & Planet  
We are proposing to perform fundamental laboratory research that will aid researchers in the interpretation of data acquired by NASA mission to Mars. Specifically, we are collecting spectral data of meteorites and performing numerical calculations that will help us to better interpret the spectral data we get back from Mars.

5. Nat'l Aeronautics & Space Administration  
"Mineralogy and Rock Magnetism of Martian Basalt"
Hammer, Julia E  
Geology & Geophys - SOEST  
We will investigate the formation, growth, and textural development of magnetic minerals in basalt using a combination of high-temperature experiments, analytical methods, and magnetic characterization techniques.

6. Nat'l Aeronautics & Space Administration  
"Workshop on the Chronology of Meteorites and the Early Solar System"
Krot, Alexander N  
Haw Inst Geophys & Planet  
Workshop on the Chronology of Meteorites and the Early Solar System.

7. Nat'l Aeronautics & Space Administration  
"Support Services, Maintenance and Calibration of the TLRS-4 System"
Kuhn, Jeffrey R  
Institute for Astronomy  
To continue the history of Haleakala as one of two fixed, well-defined geometric reference points in NASA's tectonic motion data solution.

8. Nat'l Aeronautics & Space Administration  
"AbGradCon at Bioastronomy 2007"
Meech, Karen J  
Institute for Astronomy  
AV rental and travel support for Bioastronomy Conference 2007.

9. Nat'l Aeronautics & Space Administration  
"The Origin, History, and Distribution of Water and its Relation to Life in the Universe"
Meech, Karen J  
Institute for Astronomy  
To research the diversity, phylogeny, and genetics of the basal metazoan Trichoplax adhaerens (placozoa) to further our understanding of the origin of complex life on Earth.
10. Nat'l Aeronautics & Space Administration $20,000
"Workshop: Origin of Water on the Terrestrial Planets"
Meech, Karen J Institute for Astronomy
Travel support for upcoming workshop on Origin of Water on Terrestrial Planets.

11. Nat'l Aeronautics & Space Administration $60,000
"Vents, Flows and Fluvial Features on Martian Volcanoes"
Mouginis-Mark, Peter J Haw Inst Geophys & Planet
I will use satellite images of Mars to look for vents for lava flows, individual lava flows that have channels in their middle, and water-carved features on these volcanoes. This will be used to better understand the eruption history of Martian volcanoes.

12. Nat'l Aeronautics & Space Administration $67,740
"Laser Induced Breakdown Spectroscopy (LIBS) of Alteration and Volatile-Bearing Materials"
Sharma, Shiv K Haw Inst Geophys & Planet
The objective of this proposal is to obtain LIBS spectra of alteration and volatile bearing minerals shown to be important to the Martian conditions, including sulfates, phyllosilicates, and select halides and the effects of adding these minerals to well-characterized basaltic rock compositions.

13. Nat'l Aeronautics & Space Administration $13,281
"Subcontract to LPI for Studies of Volcanic Growth, Spreading, and Collapse on Mars"
Smith, J R HURL - SOEST
Continue studies with LPI by comparing various physical features found in Hawaii with those being discovered on Mars.

14. Nat'l Aeronautics & Space Administration $87,194
"Mars Surface Composition in a Geological Context"
Taylor, G Jeffrey Haw Inst Geophys & Planet
This project will use data from Mars mission to understand the formation and geological and geochemical evolution of the martian crust.

FROM: Hawaii- Government Agencies

1. County of Hawaii $12,588
"Hawaii Island Health Workforce Map"
Withy, Kelley Complementary & Alternative
Assess the supply of medical and mental health providers and the utilization of medical and mental healthcare provider visits on the Big Island of Hawaii.
2. DOH-Maternal and Child Health Branch

"Baby SAFE Program Report"

Yuen, Sylvia H L, Center on the Family

The report will develop a retrospective and current description of the baby safe program, assess areas of need and duplication, provide feedback from stakeholders, and recommend future directions.

3. Hawaii-Civil Defense Division

"Investigation of Post and Pier Earthquake Damage and Development of Incremental Retrofits for Hawaii Single-Family Residences"

Robertson, Ian N, Civil and Environmental

This project will conduct a post-earthquake case study of statistically representative types of post and pier structures damaged during the October 15th Hawaii Island earthquakes, and develop simple retrofit schemes that will better protect these and similar structures during future earthquakes.

4. Hawaii-Dept of Agriculture

"Contribution of Agriculture to Hawaii's Economy: An Update"

Leung, Ping S, Molecular Biosciences &

To produce an updated and objective study on the contribution of agriculture to Hawaii's economy for the most current year (2005) and a summarized fact-sheet of the study for public dissemination.

5. Hawaii-Dept of Health

"Remediation of Arsenic in Hawaii Soils: Laboratory and Field Pilot Studies of Geochemical Fixation"

Ray, Chittaranjan, Water Resource Research

We will examine if arsenic present in the Big Island soils can be removed by amendments such as phosphate and organics. Also, we will see if colloidal iron hydroxide will reduce the leachability of arsenic from soil.

6. Hawaii-Dept of Health

"Data Collection and Analysis of Substance Abuse Prevention Services"

Yuen, Sylvia H L, 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 reporting requirements.
7. Hawaii-Dept of Land & Natural Resources $4,600
   "Maui District Endangered Species Research"
   Duffy, David Botany
   Continue research and monitoring of endangered seabirds on Lanai and Maui, currently supported under the DLNR-funded project "Statewide Wildlife Conservation Program Coordination and Implementation."

8. Hawaii-Dept of Land & Natural Resources $1,900
   "Statewide Wildlife Conservation Program Coordination and Implementation"
   Duffy, David Botany
   Continue support of the coordination and implementation of partnership-based conservation programs in Hawaii.

9. Hawaii-Dept of Land & Natural Resources $1,400
   "Forest Restoration on Mauna Kea"
   Duffy, David Botany
   Support forest restoration planning and development on Mauna Kea.

FROM: Hawaii- Associations, Foundations, Societies, etc.

1. HCF-G.F. Straub Trust $49,837
   "The Biology of Efflux Pumps: A Role in Fertility"
   Robinow, Steven N Zoology
   Efflux pumps, proteins that transport substrates out of cells, are found in bacteria, plants, and animals. Little is known about the role of efflux pumps in the development and physiology of organisms. The fruit fly Drosophila melanogaster will be studied to understand why animals are sterile when they lack an efflux pump that transports nucleosides out of cells.

FROM: Hawaii- Business and Other

1. Bank of Hawaii $58,000
   "Luminex Technology Based Serodiagnostic Assay for the Rapid Detection of Avian Influenza Virus and Arboviruses"
   Nerurkar, Vivek R Trop Med - Med Micro- MED
   The objective of this research is to develop rapid diagnostic tests for detection and surveillance of avian influenza, dengue, Chikugunya, and Zika viruses infection. The rationale is that these pathogens have potential to be imported in Hawaii, which will affect the health of the people, and the ecosystem of Hawaii.
2. East West Center $460,354
"Pacific Integrated Ocean Observing System (PacIOOS)"
Taylor, Brian Sea Grant - SOEST
The Pacific Integrated Ocean Observing System project is committed to developing a fully functional regional association, which requires meeting the following goals: Ensure broad engagement of key stakeholders and partner institutions; identify critical information needs, and; establish appropriate oversight, coordination and implementation mechanisms.

FROM: Mainland- Associations, Foundation, Soc, etc.

1. The Chun Foundation $15,000
"The Development of Detoxification Defenses in Children"
Collier, Abby C. Trop Med - Med Micro- MED
We propose to study the development of the four complementary detoxification pathways in Children's livers. These pathways are mediated by four enzyme families that, in addition to detoxification of chemicals and drugs, are also highly involved in oxidative stress and immune signalling in the human body.

FROM: Mainland- Business

1. Battelle Columbus Division $77,326
"Pacific Disaster Center Geospatial Data Expertise for Disaster Management Exercises"
Gaines, James R VP for Research
The Pacific Disaster Center Geospatial Data Expertise for Disaster Management Exercises

2. ChemImage Corporation $162,250
"Stand-Off Raman Sensor (Subcontract)"
Sharma, Shiv K Haw Inst Geophys & Planet
This proposal seeks support for collaborating with Chem Image Corporation, Pittsburgh, PA for developing Stand-Off UV Raman technique for detecting explosives.

3. Consortium for Plant Biotechnology Research, $100,989
"Flash Carbonization TM Catalytic Afterburner Development, Yr 2"
Antal, Michael J Haw Nat Energy Inst -SOEST
Flash Carbonization TM makes possible the quick and efficient production of charcoal. The objective of this proposal is to test and fine-tune existing, pressurized, catalytic afterburner at the outlet of the UH commercial-scale, Flash Carbonization TM Demonstration Reactor to enable it to meet all State and Federal emissions requirements.
4. East & West Inc $71,000
   "Pacific Disaster Center Brazil EOC"
   Gaines, James R VP for Research
   The Pacific Disaster Center will support a review and assessment of Emergency Operations Center for Rio de Janeiro, Brazil.

FROM: Mainland - Other

1. SCUBAnauts Interational $52,944
   "Deep Investigation of Mauna Kea: Part II"
   Wiltshire, John C HURL - SOEST
   To survey slopes of Mauna Kea and Mauna Loa off the island of Hawaii using HURL submersibles.

2. Space Telescope Science Institute $111,885
   "Resolving the Smallest Galaxies"
   Chiboucas, Kristin Institute for Astronomy
   From CFHT/Megacam imaging showing evidence for resolved stellar populations we have detected 15 new dwarf galaxy candidates in the M81 group. We are following this up with HST/WFPC2 imaging in F814W and F606W to generate color-magnitude diagrams with which to establish distances for, and to study the stellar populations in, these 15 candidates.

   "TRGB Distances from Archived Data"
   Tully, R Brent Institute for Astronomy
   Accurate distances to nearby galaxies can be determined from the observed luminosities of the brightest red giant stars. Data is available in the HST archive to make measurements in 300 galaxies. Newly developed analysis tools will be applied that assure consistency in the measurement of distances for the 300 galaxies.

FROM: U.S. Universities and Colleges

1. Mississippi State University $11,333
   "Improving the COAMPS Atmospheric Variational Data Assimilation System with Direct Use of Satellite Radiances"
   Li, Tim Meteorology - SOEST
   To construct a comprehensive, high-resolution western Pacific tropical cyclones reanalysis data product using the NAVDAS.
2. Univ of Arizona
"Interpretation of Mars Odyssey GRS Data"
Taylor, G Jeffrey  Haw Inst Geophys & Planet
Interpret data from Mars Odyssey Gamma-Ray Spectrometer to understand the formation of the Martian crust and the nature of weathering conditions on it.

3. Univ of California (The Regents of)
"Western Regional Center in the National Plant Diagnostic Network"
Alvarez, Anne M  Plant & Environmental
We will support plant diagnostics in Hawaii and the Pacific Region by performing standard and distance diagnostic procedures on plant and insect samples and participating in detector training activities.

4. Univ of California - Davis
"2007 Hawaii IR-4 Food Use Field Projects"
Kawate, Michael K  Plant & Environmental
To conduct field trials in agricultural corps to collect pesticide efficacy data and/or residue samples for analysis.

5. Univ of California- Los Angeles
"Double-blind, Placebo-Controlled Trial of PROMETA Pharmacotherapy for the Treatment of Methamphetamine Abuse Clinical Trial"
Haning III, William F  Psychiatry- MED
The objectives of this study are to assess the efficacy and safety of PROMETA as compared to a placebo for initiating abstinence and for preventing relapse to methamphetamine use in treatment-seeking individuals meeting criteria for methamphetamine abuse.

6. Univ of Kansas
"Core Curriculum for Business Chinese: Where Are We, and Where Are We Going?"
Wang, Haidan  East Asian Language & Lit
To survey contemporary curricula and pedagogy used in teaching Business Chinese, in order to identify gaps between the existing programs and real needs in the working environment. Work includes database construction, textbook data input and data analysis.

7. Univ of Southern California
"Subaward Proposal: In situ Voltammetric Profiling of Iron-Oxidizing Microbial Mats at Loihi Seamount"
Glazer, Brian  Oceanography - SOEST
This support, and Glazer's participation in the FeMO 2007 cruise, will provide for rigorous voltammetric profiling of the Loihi Pit Crater, and the newly discovered FeMO Deep site (5000m).
FROM: Miscellaneous

1. Center for Tropical and Subtropical Aquaculture $73,424
   "Developing Bivalve Culture to Diversify and Position Hawaii as a Supplier of Safe, Premium Edible Shellfish Products"

   Howerton, Robert D  Sea Grant - SOEST
   This effort will focus on resolving issues that have impeded grow out of edible bivalves in Hawaii. The expected outcomes are the demonstration of the biological and economic feasibility of edible bivalve culture, identifying steps necessary for certification of a laboratory in Hawaii, and development of bivalve hatchery.

2. Center for Tropical and Subtropical Aquaculture $35,000
   "Artificially Propagating the Feather Duster Worm Sabellastarte Spectabilis for the Marine Ornamental Trade"

   Tamaru, Clyde S  Sea Grant - SOEST
   The principle goal of the current project is to develop culture technology that allows commercially cultured feather duster worms as an alternative source of animals for the aquarium trade.

NON-RESEARCH AWARDS

FROM: DA-Dept of Agriculture

1. DA-Dept of Agriculture $73,577
   "University of Hawaii Agribusiness Education. Training and Incubator (AETI) Project"

   Takahashi, Ronald K  Kapiolani CC
   External Evaluation and faculty and student exchange.

FROM: DHHS-Dept of Health & Human Services

1. DHHS-Administration on Developmental $100,000
   "My Voice, My Choice"

   Johnson, Jean  Center on Disability Studies
   "My Voice, My Choice" will create a Youth Information, Training, and Resource Center (Center to infuse youth self-advocacy into existing adult self-advocacy activities in the state and region.)
2. DHHS-Dept of Health & Human Services $1,056,368
"Pacific Emergency Management, Preparedness and Response Information Network and Training Services"
Sakaguchi, Ann M
Anthropology
Broad consortium of public and private health educators and health services providers offering a range of training programs to health professionals in Hawaii, California and United States Affiliated Pacific Islands on bioterrorism and other public health threats.

3. NIH-Natl Inst of Allergy & Infectious Diseases $7,500,000
"Pacific Regional Biocontainment Laboratory (PacRBL)"
Gaines, James R
VP for Research
In response to the global resurgence of emerging infectious diseases in the Asia-Pacific region, and to fulfill the need to improve the physical infrastructure for bioterrorism preparedness and for emerging infectious diseases research, this application proposes to build the Pacific Biocontainment Laboratory (PacRBL), a stand-alone containment facility.

FROM: DOC-Dept of Commerce

1. DOC-Natl Oceanic & Atmospheric $24,962
"Developing Ways to Enhance Science-based Marine Resources Management with Local and Community Knowledge"
Hunter, Cynthia
Biology Program
Training students in the acquisition and culturally-sensitive dissemination of Traditional Ecological Knowledge.

2. DOC-Natl Telecommunications & Information $499,351
"PEACESAT - Public Service Telecommunications in the Pacific Islands"
Okamura, Norman H
Social Science Rsrch Inst
The proposal intends to provide satellite resources, technical assistance, and program development support for educational, government, health, and regional organizations in the Pacific Islands Region.

3. NOAA-National Ocean Service (NOS) $22,702
"Development of Midway Atoll Field-Based Teacher Education Program"
Heckman, Mark
SVP - Research & Grad Ed.
Development of a field-based teacher education program at Midway Atoll for the Papahanaumoku National Marine Monument: a teacher think-tank session will lead to the development of a curriculum for a 10 day teacher experience on Midway: included will be teacher selection criteria, evaluation, alignment to State DOE performance standards, and links to on-going research.
FROM: DOI-Dept of Interior

1. DOI-Dept of Interior $224,302
   "University of Hawaii Participation in Vietnam PEPFAR"
   Shikuma, Cecilia M Medicine- MED
   Train Vietnamese physicians in medical management of HIV infected patients, assist in development of in-country HIV/AIDS treatment and care.

FROM: ED-Dept of Education

1. ED-Dept of Education $297,033
   "Leeward Community College - Upward Bound Math/Science; 2007-2012"
   Hoshino, Sandy Leeward CC
   Provide college preparatory services for high school youth. Program's purpose is to increase academic performance and college going rates in low income and first generation students.

2. ED-Dept of Education $131,000
   "Advanced Filipino Textbook with Accompanying DVD and Web-based Multimedia Exercises"
   Mabanglo, Ruth Haw'n & Indo-Pac Language
   Development of a textbook, DVD, and interactive online instructional materials for the teaching and learning of advanced level Filipino language.

3. ED-Dept of Education $59,330
   "Title III for Native Hawaiian Serving Institutions - HCC MELE"
   Matsui, Sandy Honolulu CC
   Develop curriculum in Ocean Hawaii, Music Enterprise Learning Experience and 1st Year Experience/Learning Communities.

4. ED-Dept of Education $1,986
   "The Network Support for Regional Activities: Alaska, Hawaii and Pacific Territories"
   Stockert, Nancy Office of Student Affairs
   Develop collaborative alcohol and other drug abuse and violence prevention efforts among colleges and universities in the region.
FROM: Environmental Protection Agency

1. Environmental Protection Agency $14,114
   "Ecological Impacts of Open-Ocean Aquaculture: Evaluating Bottom-up Disturbances on Food Webs Using Stable Isotope Analyses-Fellow D. Lin"
   Bailey-Brock, Julie H Zoology
   The purpose of this study is to examine the specific ecological impacts of open-ocean fish farming (aquaculture) on marine food webs. We intend to use stable isotope analyses and manipulative field experiments to determine how food web structure and dynamics are affected by changes in nutrient/resource availability (bottom-up) and predator abundance (top-down).

FROM: Nat'l Aeronautics & Space Administration

1. Nat'l Aeronautics & Space Administration $30,000
   "Physical and Chemical Processes in the Atmospheres of Planetary Embryos-GSRP N. Moskovitz"
   Gaidos, Eric Geology & Geophys - SOEST
   Continue to investigate, using both theoretical and observational methods, the thermal evolution of planetesimal-sized bodies in the early solar system.

FROM: Hawaii- Government Agencies

1. Hawaii-Dept of Business & Economic $350,000
   "EPSCor Related Human Resources Development"
   Gaines, James R VP for Research
   Provide programs to support technology workforce development per the terms of the previously negotiated MOA.

2. Hawaii-Dept of Education $30,000
   "An Evaluation of the Kekaulike 21st Century community Learning Centers in 2007-08"
   Higa, Terry Ann CRDG
   The evaluators will collect, summarize and report data to address the requirements of the 21st Century program, including academic achievement, implementation of activities, demographic data, project partnerships, academic behavior, community partners, services to parents and other adults, operating data (hours and staffing), and NCLB status.

3. Hawaii-Dept of Health $15,000
   "Task Force Agreement"
   Johnson, Jean Center on Disability Studies
   Facilitate Meetings of task Force, Develop survey instrument; create data list of names; complete survey.
4. Hawaii-Dept of Health  
"EMS Planning and Development of Distant Learning on Maui, Kauai and Hawaii"  
Kalinowski, Edward  
Kapiolani CC  
Purchase equipment and supplies to support EMS education on Maui, Kauai and Hawaii and to fund an instructor on Kauai.

5. Hawaii-Dept of Human Services  
"Child Welfare Training"  
Godinet, Meripa  
School of Social Work  
To train social workers, administrators, and social work students to meet key competency areas in child and family social work practice. In addition, to evaluate and research child welfare issues and practice with focus on cultural competence.

6. Hawaii-Dept of Human Services  
"Hawaii Child Welfare Education Collaboration Project"  
Godinet, Meripa  
School of Social Work  
To provide competency based education and training to Master's Social Work students in the area of public child welfare, on Oahu as well as on the neighbor islands through distance education.

7. Hawaii-Dept of Human Services  
"Title IV-E Training Academy"  
Godinet, Meripa  
School of Social Work  
To train public child welfare workers and administrators to meet key competency areas in the public child welfare system. In addition, the project will also provide evaluation and assessment on trainings provided by the Title IV-E Training Academy.

8. Hawaii-Dept of Human Services  
"Memorandum of Agreement"  
Johnson, Nancy K  
Maui CC  
MOA is to ensure that MCC dental assisting students are provided a place where they may obtain clinical training and where student participation makes it possible to provide oral health services through its student trainees at the Maui Oral Health Center for patients with TANF funds.

9. Hawaii-Executive Office on Aging  
"Evaluation Services for Healthy Aging Project Empowering Elders (HAPEE) Two"  
Braun, Kathryn L  
School of Social Work  
To check that senior health programs are done right.
FROM: Hawaii- Associations, Foundations, Societies, etc.
1. Institute for Native Pacific Education & Culture $25,000
   "Coordination of the Evaluation of SPARK-Hawaii Year 5"
   Lai, Morris K CRDG
   Coordinate the evaluation of the project's fifth year. Work includes data collection, analysis, development of database programs, and evaluation report writing.

FROM: Hawaii- Business and Other
1. Akaku Maui Community Television $78,919
   "MCC-TV Educational Access Television"
   Sakamoto, Clyde Maui CC
   Manage, coordinate, and operate MCC-TV Educational Access Television. This channel is one of the designated providers of educational television programming in Maui County.
2. Hawaiian Electric Co Inc $200,000
   "The Greenhouse Gas Emission Regulation Task Force"
   Konan, Denise E Social Science Rsrch Inst
   The University of Hawaii will provide policy analysis and modeling support for the Greenhouse Gas Emission Regulation Task Force established by the State of Hawaii Legislature.
3. Research Corp, University of Hawaii $2
   "Honolulu Community College Apprenticeship Training Program"
   Niino, James Honolulu CC
   Program will provide at least 44 additional classes in apprenticeship training to meet the State Workforce needs in the construction and trades industries.
4. Research Corp, University of Hawaii $19,110
   "No Papahanaumoku"
   Warner, Sam L School of Hawaiian Knowledge
   Develop and design 5 powerpoints related to science and/or Northwest Islands for use in Hawaiian Immersion classrooms.

FROM: Hawaii- Health Organizations
1. Pacific In Vitro Fertilization Institute $8,052
   "Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement - FY2008, Agreement No. SF08-PIVF-OBGYN"
   Millar, Lynnae K Obstetrics - GYN - MED
   Salary, Fringe Benefit & Malpractice reimbursement agreement to provide physician and physician related services for FY 2008.
2. Wahiawa General Hospital

"Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement - FY2008, Agreement No. SF08-WGH-FPCH"

Palafox, Neal A Fam Prac & Comm Hlth- MED
Salary, Fringe Benefit & Malpractice reimbursement agreement to provide physician and physician related services for FY 2008.

FROM: Mainland- Associations, Foundation, Soc, etc.

1. Hartford Foundation (John A Hartford Fndtn) $42,279

"John A. Hartford Foundation Pre-doctoral Scholarship Award"

Ishida, Dianne Nursing
Charlene will work towards her doctoral degree and start on her dissertation on quality dying.

2. The National Academies $1,500

"Ford Foundation Support for: Functional Molecular Analysis of Variation in the Development of the Arthropod Head and Nervous System (FMIS 658992)"

Browne, William E. Pacific Biomed Rsrch Cntr
The funds allocated by the Ford Foundation will support my NSF project which will utilize standard molecular genetic microinjection, and transgenic methodologies for cloning, functional knockdown, and isolation of genes and promoter sequences implicated in the development of the head and nervous system of the amphipod crustacean, Parhale hawaiensis.

FROM: Mainland- Business

1. Freeman Foundation $196,000

"Asian Medical Exchange and Outreach Program"

Kasuya, Richard T 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.
FROM: U.S. Universities and Colleges

1. Univ of Arizona $151,370
   "Water Quality Research and Extension in Hawaii"
   Evensen, Carl I Natural Resources &
   Maintain a program which develops and shares new and existing
   information and management techniques throughout the southwest &
   pacific region and nationally; provide a means for channeling and
   leveraging technical and financial resources to address critical water
   quality issues.

2. Univ of California - San Francisco $337,947
   "HIV Care Services Training & Educational Services"
   Goshima, Cyril Psychiatry- MED
   Provide HIV/AIDS Care services training and educational services to
   health care providers in Hawaii and South Pacific.

3. Univ of Washington $6,561
   "Northwest Alliance for Access"
   Stodden, Robert A Center on Disability Studies
   The NCSPES will collect intervention effectiveness data, as well as
   outcome and impact data which documents progress toward the
   overall goal of increasing the quantity and quality of people with
   disabilities pursuing careers in STEM disciplines.

FROM: All Non-U.S.

1. Government of American Samoa $188,246
   "PBCP - ASG Labor Pool Study - Phase 1"
   Rota, Michael T Office, VP Community Coll.
   The PBCP will be conducting a labor pool study to assess availability
   of workers who live in or would relocate to work in American Samoa
   for a call center that may be started there.

2. Nat'l Astronomical Observatory of Japan $47,548
   "NAOJ-Subaru Telescope Use of the UH 2.2-m Telescope
   FY08"
   Aspin, Colin Institute for Astronomy
   To foster collaborative astronomical programs primarily the
   collaborative use of the UH 2.2 meter telescope.

3. Northeast Asian History Foundation $13,000
   "East Asia Textbook Conference"
   Shultz, Edward J School of Hawaiian, Asian &
   Conference that will critically examine the recent joint publication of a
   high school history textbook written by scholars from Korea, China
   and Japan.
FROM: Miscellaneous
1. Miscellaneous - Assign new code $5,000
   "13th Symposium of the International Brecht Society on "Brecht in/and Asia" at UH from May 19-23, 2010"
   Wessendorf, Markus Theatre & Dance
   The 13th symposium of the International Brecht Society will be a 5-day conference of presentations by theatre scholars from East and West on two themes: Brecht's borrowings from and references to Asian culture (in his theatre theory, drama, poetry, etc), and the reception of his work in Asia (with regard to dramaturgies, performance styles, and political aesthetics).
Funds Received from UH Foundation

RESEARCH AWARDS

FROM: Hawaii- Associations, Foundations, Societies, etc.

1. Univ of Hawaii Foundation $49,000
   "Pew Fellowship in Marine Conservation"
   Smith, Craig R. Oceanography - SOEST
   We will compile distribution data and convene of workshop of experts to design marine protected areas for seamounts and abyssal nodule fields in international waters.

NON-RESEARCH AWARDS

FROM: Hawaii- Associations, Foundations, Societies, etc.

1. Univ of Hawaii Foundation $75,000
   "English Language Training Capacity at Hanoi University, Vietnam Fund"
   Bui, Tung College of Business
   Strengthen english language pedagogy & capacity in Vietnam.

2. Univ of Hawaii Foundation $1,000
   "Pediatrics Psychology - Chime/Birthweight Project"
   Crowell, David Psychology
   Computer processing relative to research activities.

3. Univ of Hawaii Foundation $50,000
   "Contemporary Challenges in Microbial Oceanography"
   Karl, David M Oceanography - SOEST
   To train the next generation of scientists in the discipline of microbial oceanography.

4. Univ of Hawaii Foundation $1,500
   "Korean Literature Publication/Editorial Assistant"
   Kim, Yung Hee College of Lang, Ling, & Lit
   Pay for publication and editorial student salaries.
5. Univ of Hawaii Foundation  $40,000
"Capturing the Momentum.Hawaii Pacific Islands Campus Compact/Palolo Pipeline: Administrative Coordinator"

Pascua, Atina T  SVP - Academic Affairs
Administer and monitor budgetary expenses and documentation, coordinate meetings/workshops, monitor contracts and site visits, maintain operations database, consultants and contracts including payment for Americorps VISTA Coordinator and covering expenses for community partners and institutions of higher education partners.
### SUMMARY

**EXTRAMURAL RESEARCH AWARDS,**

**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>DHHS-Dept of Health &amp; Human Services</td>
<td>5</td>
<td>$2,600,085</td>
<td>29.00</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>2</td>
<td>$119,765</td>
<td>1.34</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>6</td>
<td>$1,795,103</td>
<td>20.02</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>1</td>
<td>$300,000</td>
<td>3.35</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>1</td>
<td>$90,000</td>
<td>1.00</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>3</td>
<td>$331,596</td>
<td>3.70</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>14</td>
<td>$827,674</td>
<td>9.23</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>9</td>
<td>$603,056</td>
<td>6.73</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>2</td>
<td>$98,837</td>
<td>1.10</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>2</td>
<td>$518,354</td>
<td>5.78</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>1</td>
<td>$15,000</td>
<td>0.17</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>4</td>
<td>$411,565</td>
<td>4.59</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>3</td>
<td>$212,236</td>
<td>2.37</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>7</td>
<td>$934,885</td>
<td>10.43</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>2</td>
<td>$108,424</td>
<td>1.21</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>62</strong></td>
<td><strong>$8,966,580</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
### SUMMARY

**EXTRAMURAL NON-RESEARCH AWARDS, DISTRIBUTION BY SPONSORS**

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>1</td>
<td>$73,577</td>
<td>0.49</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>3</td>
<td>$8,656,368</td>
<td>57.27</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>3</td>
<td>$547,015</td>
<td>3.62</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>1</td>
<td>$224,302</td>
<td>1.48</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>4</td>
<td>$489,349</td>
<td>3.24</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>1</td>
<td>$14,114</td>
<td>0.09</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>1</td>
<td>$30,000</td>
<td>0.20</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>9</td>
<td>$3,094,823</td>
<td>20.48</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>6</td>
<td>$192,500</td>
<td>1.27</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>4</td>
<td>$298,031</td>
<td>1.97</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>2</td>
<td>$505,477</td>
<td>3.34</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>2</td>
<td>$43,779</td>
<td>0.29</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>1</td>
<td>$196,000</td>
<td>1.30</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>3</td>
<td>$495,878</td>
<td>3.28</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>3</td>
<td>$248,794</td>
<td>1.65</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>1</td>
<td>$5,000</td>
<td>0.03</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>45</strong></td>
<td><strong>$15,115,007</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
YEAR-TO-DATE SUMMARY
EXTRAMURAL RESEARCH AWARDS,
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>21</td>
<td>$2,420,237</td>
<td>2.45</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>57</td>
<td>$32,690,059</td>
<td>33.15</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>47</td>
<td>$22,416,787</td>
<td>22.73</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>50</td>
<td>$9,557,482</td>
<td>9.69</td>
</tr>
<tr>
<td>DOE-Dept of Energy</td>
<td>9</td>
<td>$1,358,309</td>
<td>1.38</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>22</td>
<td>$1,664,341</td>
<td>1.69</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>1</td>
<td>$300,000</td>
<td>0.30</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>2</td>
<td>$173,601</td>
<td>0.18</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>59</td>
<td>$14,579,277</td>
<td>14.79</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>34</td>
<td>$2,729,340</td>
<td>2.77</td>
</tr>
<tr>
<td>Independent Federal Agencies- Minor</td>
<td>1</td>
<td>$120,000</td>
<td>0.12</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>37</td>
<td>$3,505,420</td>
<td>3.55</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>14</td>
<td>$456,397</td>
<td>0.46</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>16</td>
<td>$1,131,508</td>
<td>1.15</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>2</td>
<td>$34,265</td>
<td>0.03</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>9</td>
<td>$306,251</td>
<td>0.31</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>15</td>
<td>$1,037,449</td>
<td>1.05</td>
</tr>
<tr>
<td>Mainland- Health Organizations</td>
<td>2</td>
<td>$62,587</td>
<td>0.06</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>21</td>
<td>$1,128,404</td>
<td>1.14</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>32</td>
<td>$2,475,360</td>
<td>2.51</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>5</td>
<td>$351,112</td>
<td>0.36</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>2</td>
<td>$108,424</td>
<td>0.11</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>458</strong></td>
<td><strong>$98,606,610</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>


YEAR-TO-DATE SUMMARY
EXTRAMURAL NON-RESEARCH AWARDS,
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>8</td>
<td>$2,424,467</td>
<td>3.41</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>28</td>
<td>$15,430,787</td>
<td>21.68</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>12</td>
<td>$1,493,238</td>
<td>2.10</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>5</td>
<td>$2,199,608</td>
<td>3.09</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>10</td>
<td>$679,511</td>
<td>0.95</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>41</td>
<td>$16,994,436</td>
<td>23.88</td>
</tr>
<tr>
<td>HUD-Dept of Housing &amp; Urban Development</td>
<td>2</td>
<td>$1,381,247</td>
<td>1.94</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>1</td>
<td>$14,114</td>
<td>0.02</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>9</td>
<td>$2,745,354</td>
<td>3.86</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>6</td>
<td>$723,646</td>
<td>1.02</td>
</tr>
<tr>
<td>Independent Federal Agencies- Minor</td>
<td>3</td>
<td>$540,730</td>
<td>0.76</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>38</td>
<td>$17,329,050</td>
<td>24.35</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>36</td>
<td>$2,034,852</td>
<td>2.86</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>13</td>
<td>$1,604,840</td>
<td>2.25</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>16</td>
<td>$3,840,075</td>
<td>5.39</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>9</td>
<td>$236,959</td>
<td>0.33</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>2</td>
<td>$229,330</td>
<td>0.32</td>
</tr>
<tr>
<td>Mainland- Health Organizations</td>
<td>1</td>
<td>$20,000</td>
<td>0.03</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>6</td>
<td>$193,271</td>
<td>0.27</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>9</td>
<td>$622,183</td>
<td>0.87</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>7</td>
<td>$380,984</td>
<td>0.54</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>2</td>
<td>$61,270</td>
<td>0.09</td>
</tr>
</tbody>
</table>

264  $71,179,951  100.00
Awards Received by University of Hawaii at Hilo

RESEARCH AWARDS

FROM: DOA-Dept of Agriculture

1. DOA-Dept of Agriculture $178,139
   “Development of Post Harvest Technologies FY 08”
   William Sakai UHH-Agriculture

2. DOA-Department of Agriculture $14,487
   “Support of Agriculture Research FY 08”
   Norman Stahl UHH-Agriculture

FROM: DHHS-Dept of Health and Human Services

1. DHHS-Dept of Health and Human Services $765,253
   “Research Infrastructure in Minority Institution (RIMI) FY 08”
   Rose Tseng UHH-Administration

FROM: DOI-Dept of Interior

1. DOI-Dept of Interior $43,000
   “UHH Palila Restoration Research US Fish and Wildlife”
   Sharon Ziegler-Chong UHH-Aquaculture

FROM: Hawaii Business and Other

1. The Nature Conservancy $60,000
   “Kauai Remote Sensing Program Phase II”
   Sharon Ziegler-Chong UHH-Aquaculture
NON-RESEARCH AWARDS

FROM: ED-Dept of Education

1. ED-Dept of Education $294,034
   “Regional Math and Science Program/Room & Board YR 1”
   Leonard Woods UHH-Upward Bound

2. ED-Dept of Education $277,947
   “YR 2 Student Support Services Program/Supplemental FY08”
   Melissa Johnson UHH-Counseling and Student Development Center

FROM: Dept of State

1. Dept of State $6,300
   “US South Pacific (USSP) and US East Timor (USET) Scholarship Program”
   James Mellon UHH-Student Services

FROM: Hawaii Government Agencies

1. Volcano School of Arts and Science PCS $6,000
   “Education Director Evaluation”
   Nina Buchanan UHH-Social Science
UNIVERSITY OF HAWAII AT HILO SUMMARY

EXTRAMURAL RESEARCH AWARDS, OCTOBER 2007 - OCTOBER 2007

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>DOA-Dept of Agriculture</td>
<td>2</td>
<td>$192,626</td>
<td>18.00</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>1</td>
<td>$765,253</td>
<td>72.00</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>1</td>
<td>$43,000</td>
<td>4.00</td>
</tr>
<tr>
<td>Hawaii Business and Other</td>
<td>1</td>
<td>$60,000</td>
<td>6.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>5</strong></td>
<td><strong>$1,060,879</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
UNIVERSITY OF HAWAII AT HILO SUMMARY

EXTRAMURAL NON-RESEARCH AWARDS, OCTOBER 2007 - OCTOBER 2007

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>ED-Dept of Education</td>
<td>2</td>
<td>$571,981</td>
<td>98.00</td>
</tr>
<tr>
<td>Dept of State</td>
<td>1</td>
<td>$6,300</td>
<td>1.00</td>
</tr>
<tr>
<td>Hawaii Government Agencies</td>
<td>1</td>
<td>$6,000</td>
<td>1.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>4</strong></td>
<td><strong>$584,281</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

EXTRAMURAL RESEARCH AWARDS, JULY 2007 - OCTOBER 2007

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>DOA-Dept of Agriculture</td>
<td>3</td>
<td>$201,626</td>
<td>7.00</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>4</td>
<td>$1,572,740</td>
<td>52.00</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>17</td>
<td>$1,071,986</td>
<td>35.00</td>
</tr>
<tr>
<td>DOJ-Dept of Justice</td>
<td>1</td>
<td>$23,406</td>
<td>1.00</td>
</tr>
<tr>
<td>NSF-Natl Science Foundation</td>
<td>1</td>
<td>$40,500</td>
<td>1.00</td>
</tr>
<tr>
<td>Hawaii Government Agencies</td>
<td>2</td>
<td>$37,723</td>
<td>1.00</td>
</tr>
<tr>
<td>Hawaii Business and Other</td>
<td>3</td>
<td>$105,123</td>
<td>3.00</td>
</tr>
<tr>
<td>Total</td>
<td>31</td>
<td>$3,053,104</td>
<td>100.00</td>
</tr>
</tbody>
</table>
UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

EXTRAMURAL NON-RESEARCH AWARDS, JULY 2007 - OCTOBER 2007

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>DOA-Dept of Agriculture</td>
<td>1</td>
<td>$11,500</td>
<td>0.00</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>7</td>
<td>$3,562,578</td>
<td>62.00</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>2</td>
<td>$386,382</td>
<td>7.00</td>
</tr>
<tr>
<td>Dept of State</td>
<td>1</td>
<td>$6,300</td>
<td>0.00</td>
</tr>
<tr>
<td>NSF-Nat'l Science Foundation</td>
<td>1</td>
<td>$429,518</td>
<td>7.00</td>
</tr>
<tr>
<td>Hawaii Business &amp; Other</td>
<td>3</td>
<td>$1,195,790</td>
<td>21.00</td>
</tr>
<tr>
<td>Hawaii Government Agencies</td>
<td>2</td>
<td>$26,000</td>
<td>0.00</td>
</tr>
<tr>
<td>Hawaii Association, Foundations &amp; Societies</td>
<td>1</td>
<td>$115,000</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18</strong></td>
<td><strong>$5,733,068</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
Gifts, Grants, and Contracts

The following gifts, grants, and contracts received during the period November 1, 2007 through November 30, 2007 total $15,732,625. The University of Hawai‘i at Hilo received a total of $227,375 during the same period.

Gifts, Grants, and Contracts Received November 1-30, 2007

RESEARCH AWARDS

FROM: Dept of Education

1. DOI-Fish & Wildlife
   "Genetic Identity, Range and Phylogeography of the Threatened Kern Primrose Sphinx Moth (Euproserpinus euterpe)"
   Rubinoff, Daniel
   Use DNA-based population genetics to determine conservation status of an endangered moth.
   $10,000

2. DOI-Geological Survey
   "Supplemental for USGS Co-Operative Agreement 04WRAG001"
   Jokiel, Paul L
   Haw Inst Marine Bio-SOEST
   Conduct research on impact of sedimentation on Hawaiian coral reefs in collaboration with USGS.
   $24,058

FROM: DHHS-Dept of Health & Human Services

1. NIH-Nat'l Inst of Child Health & Human Devlpmt
   "National Children's Study University of Hawaii Study Center - Honolulu County"
   Millar, Lynnae K
   Obstetrics - GYN - MED
   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.
   $1,156,615
FROM: DOC-Dept of Commerce

1. DOC-National Oceanic & Atmospheric $202,431
   "Measurement and Parameterization of Air-Sea DMS Transfer over the Southern Ocean in GasEx-III"
   Huebert, Barry J Oceanography - SOEST
   We propose to use our new method for measuring the rate at which the ocean absorbs and emits DMS gas, which is emitted by ocean algae and controls the whiteness of clouds. We will deploy this method on the NOAA ship Ronald H. Brown as part of the GasEx-III program.

2. DOC-National Oceanic & Atmospheric $37,746
   "CRES (2007): Investigating Deep (50-100m) Coral Reefs in Hawaii"
   Popp, Brian N Geology & Geophys - SOEST
   We will study the food habits and ecology of fish associated with deep reefs in Hawaii.

3. DOC-National Oceanic & Atmospheric $34,532
   "Investigating the Deep (50-100m) Coral Reefs of Hawaii"
   Smith, Celia M Botany
   This proposal provides research expertise in physiology of deep water corals and algae of Hawaii.

4. DOC-National Oceanic & Atmospheric $175,000
   "Improving the Hatchery Output of the Hawaiian Pink Snapper, Pristipomides filamentosus, to Meet Stock Enhancement and Open Ocean Aquaculture…"
   Tamaru, Clyde S Haw Inst Marine Bio-SOEST
   Investigate improving opakapaka hatchery output by conducting a series of experiments on live feeds selectivity, predator prey ratios, larval feeding trials, prey behavior trials, larval tank water flow, live feeds nutritional profiles, mass vaccination of hatchery produce fry and juveniles. All activities focused on developing a hatchery technology that optimizes opakapaka hatchery output.

FROM: DOD-Dept of Defense

1. DOD-Dept of Air Force $1,321,221
   "Operations and Management of the Maui Supercomputing Center"
   Lassner, David K Info Technology Services
   Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.
2. DOD-Dept of Air Force $329,043
"Operations and Management of the Maui Supercomputing Center"
Lassner, David K Info Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.

3. DOD-Dept of Navy $68,214
"Sea-salt Aerosol in Hawaii and the Influence of Large Organized Structures (LOS) or Rolls on Fluxes and Visibility"
Clarke, Antony D Oceanography - SOEST
Investigate the marine aerosol properties including their evolution in the boundary layer and coastal regions in Hawaii.

4. DOD-Dept of Navy $26,000
"Low Cost High Performance Phased Array Antennas with Beam Steering Capabilities Using an Integrated CTS and Ferroelectric Materials Technologies"
Iskander, Magdy F HCAC (HI Ctr for Advanced
The proposed project involves the design, fabrication, and testing of an innovative low cost phased antenna arrays with beam steering capabilities for use in UAV to UAV and UAV to surface communications. The requested funds will be used to support graduate students working on the project.

5. DOD-Dept of Navy $52,591
"Inter-Annual Variability and Prediction of Eddies in the Gulf of Aden and the Somali Current Region"
Jensen, Tommy G Oceanography - SOEST
Produce a monthly climatology, analysis and dynamical understanding of eddy activity in Gulf of Aden based on satellite observations and numerical models.

6. DOD-Dept of Navy $75,000
"Western Pacific Tropical Cyclone Reanalysis with the NRL Atmospheric Variational Data Assimilation System (NAVDAS)"
Li, Tim Meteorology - SOEST
To construct a comprehensive, high-resolution western Pacific Tropical Cyclone reanalysis data product using the NAVDAS.
7. DOD-Dept of Navy $126,610
"Quantification of the Interacting Physical, Biological, Optical and Chemical Properties of Thin Layers in the Sea"

McManus, Margaret Anne  Oceanography - SOEST
To continue and achieve the goals set forth in our funded proposal, "Quantification of the Interacting Physical, Biological, Optical and Chemical Properties of Thin Layers in the Sea."

8. DOD-Dept of Navy $50,000
"Tropical Cyclone Genesis and Sudden Changes of Trade and Intensity in the Western Pacific"

Wang, Bin  Meteorology - SOEST
This proposal addresses a number of important issues relating to sudden changes in the track, storm scale structure, and intensity of the tropical cyclones in the western Pacific.

9. DOD-Naval Research Laboratory $55,000
"Analyses of Newly Developed Marine Coatings in the Lab and at the Pearl Harbor Test Site and Supplying Bioassay Organisms for the Center for Nanoscale"

Hadfield, Michael G  Pacific Biosciences Research
The Hawaii Biofouling Test Site will provide tests for the Center for Nanoscale Science and Engineering for their experimental coatings. Significant and rapid evaluation for experimental coatings in a tropical setting will be provided. The performance of developing coatings will be compared against industry standards.

10. DOD-US Army Medical Research & Material $95,000
"Diabetes Care and Treatment Program: A Joslin Telemedicine Initiative"

Birkmire-Peters, Deborah  School of Medicine
Preliminary results from this project have raised issues with respect to the use of technology to aid diabetic patients in the management of their disease. A conference entitled "Opportunities for Personal Health Applications for Diabetes in Hawaii and the Pacific Rim" will be convened with a multidisciplinary group of subject matter experts to address those issues.
FROM: National Science Foundation

1. National Science Foundation $32,940
   "Polarimetric Imaging and Spectroscopy of the Corona from 500-1500nm During Total Solar Eclipses"
   Habbal, Shadia Institute for Astronomy
   This project will build a spectrograph to obtain data from three upcoming total solar eclipses to better understand the solar corona/magnetic field, the dust grains in the inner corona and the relationship between the dust grains and the magnetic field. A teacher training component is planned to be included.

2. National Science Foundation $104,450
   "Compressibility and Structure of Silicate Melts at High Pressure"
   Manghnani, Murli H Haw Inst Geophys & Planet
   Material structures at high pressure.

3. National Science Foundation $99,255
   "Mechanics of Sheeting Joints and Near-surface Stresses"
   Martel, Stephen J Geology & Geophys - SOEST
   The proposed research investigates how stresses within the Earth interact with the Earth's surface to cause fractures to open nearly parallel to the Earth's surface. The research combines geologic mapping, laser altimetry measurements, and theoretical mechanical analyses.

FROM: Nat'l Aeronautics & Space Administration

1. Nat'l Aeronautics & Space Administration $200,000
   "Measurement & Analysis of Aerosol Physico-chemistry and Optical Properties in Support of AURA and the NASA INTEX (A, B) Missions"
   Clarke, Antony D Oceanography - SOEST
   Continue the work proposed in awarded NASA grant.

2. Nat'l Aeronautics & Space Administration $10,872
   "WHIM Search Around a Massive Merging Cluster of Galaxies A2142"
   Henry, J Patrick Institute for Astronomy
   We propose to search for redshifted OVII and OVII lines from the warm-hot intergalactic medium (WHIM) in a large-scale filament outside of a massive merging cluster of galaxies A2142.
3. Nat'l Aeronautics & Space Administration  $88,862  
"The Evolution of the Regulation of Cell-Cell Adhesion in a Basal Metazoan"
Martindale, Mark Q  Pacific Biosciences Research
Studying the early development and gastrulation of ctenophore embryos will provide insight into the evolution and molecular regulation of cell adhesion at the base of the Metazoa.

FROM: Hawaii- Government Agencies

1. Hawaii-Dept of Agriculture  $3,628  
"Peer Review of the Final Report: Leaching of Selected Pesticides in Hawaii Soils as Influenced by Soil Properties and Hydrologic Conditions: Field …"
Ray, Chittaranjan  Water Resource Research
The report will be reviewed by two experts in the field.

2. Hawaii-Dept of Land & Natural Resources  $44,964  
"Assessment of Reproductive Status and Reproductive Output of Three Hawaiian Goatfish Species, Mullolidichthys Flavolineatus (Yellowstripe Goatfish),M."
Cole, Kathleen  Zoology
This project is to investigate the reproductive biology of three species of Hawaiian goatfishes, including the yellowstripe, the yellowfin and the whitesaddle goatfish.

3. Hawaii-Dept of Land & Natural Resources  $27,103  
"Comparative Life History of Hawaiian Reef Fishes: An Archipelago Wide Survey of Age and Growth in Three Surgeonfish Species (Family Acanthuridae)"
Craig, Matthew  Haw Inst Marine Bio-SOEST
This research proposes to compile life history parameters for surgeonfishes of Hawaiian coral reefs.

4. Hawaii-Dept of Land & Natural Resources  $145,000  
"Kauai Endangered Forest Bird Conservation Research and Management"
Duffy, David  Botany
Continue research and field management to restore Puaiohi and other endangered native forest birds on Kauai.
5. Hawaii-Dept of Land & Natural Resources $263,367
"Three Mountain Alliance Watershed Protection Projects"
Duffy, David Botany
Contribute research and natural resource management techniques to the coordination of the Three Mountain Alliance Watershed Partnership management plan.

6. Hawaii-Hawaii State Legislature $25,000
"Family Caregiver Statewide Needs Assessment"
Arnsburger, Pamela School of Social Work
To analyze data and draft a report for the Hawaii State Legislature’s Joint Legislative Committee on Family Caregiving on a family caregiver statewide needs assessment.

FROM: Hawaii- Associations, Foundations, Societies, etc.

1. Hawaii’s Fisheries Local Action Strategy $31,082
"Growth, Mortality and Reproduction of Manini (Acanthurus triostegus)"
Langston, Ross Windward CC
This study will examine the life history (growth rate, sexual maturity, sex ratio, mortality & fecundity) of a Hawaiian reef fish Ctenochaetus strigosus.

2. HCF-Geist Foundation $50,000
"The Effects of Non-Esterified Free Fatty Acids on Albumin Mediated Cholesterol Transport"
Ha, Chung-Eun Native Hawaiian Health- MED
The goal of this research project is to examine the role of free fatty acids in plasma on cholesterol transport from peripheral tissues to the liver.

3. HCF-Geist Foundation $50,000
"Effect of Y Chromosome Long Arm Gene Deficiencies on Sperm Function"
Ward, Monika Anatomy- MED
The goal of this application is to establish the basis of functional deficiency of sperm from mice with deletions of the Y chromosome long arm.
4. HCF-Hawaii Community Foundation - General $50,000
"Analysis of the Genetic Determinants of Gametogenesis"

Allsopp, Richard  
Anatomy- MED
Gametogenesis is the process of development of the male and female germ cell compartments. Presently, the genes involved in regulating this process are poorly understood. The following study proposes to use state of the art genomics technology to define genes that regulate specific events in germ stem cells during

5. HCF-Hawaii Community Foundation - General $50,000
"Mechanistic and Structure-Function Study of Flavones as Treatment for Dyslipidemia in Diabetes and Obesity"

Kuh, Joan  
Medical Technology- MED
Investigation of plant derived extracts on the modulation of lipid metabolism in a human liver cell line.

6. HCF-Hawaii Community Foundation - General $50,000
"Gene and Promoter Analysis of Mouse and Human Selenoprotein and Selenium Biosynthesis Factors"

Stoytcheva, Zoia  
Cell & Molecular Biology- MED
Our goal is to provide a trans-regulatory data base for human and mouse selenoprotein genes and selenoprotein biosynthesis factors and to examine the methylation status of promoters exhibiting CpG island.

7. HCF-Hawaii Community Foundation - General $50,000
"Regulation of the MYCN Oncogene in Neuroblastoma"

Wada, Randal  
Cancer Research Center
This project will identify and characterize functionally significant regions in DNA that turn the MYCN gene on and off in tumor cells.

8. HCF-Ingeborg V.F. McKee Fund $50,000
"Selenoproteins and Oxidative Stress in Alzheimer's Disease and Other Neurodegenerative Disorders"

Bellinger, Frederick P.  
Pacific Biomed Rsrch Cntr
Selenoproteins may help prevent neurodegeneration in the early stages of certain diseases. The overall goal of this study is to determine if selenoproteins are associated at brain lesions and plaques of Alzheimer's disease, and whether selenoproteins can prevent damage from oxidized molecules in the brain.
9. HCF-Ingeborg V.F. McKee Fund $49,732
"Role of the Transmembrane Channel-like (TMC) Protein Family in Viral Oncogenesis"
Stokes, Alexander Cell & Molecular Biology- MED
Physiological and pathophysiological role of TMC8 in human keratinocyes.

10. HCF-Leahi Trust $30,000
"Deletion Analysis of the Mycobacterium Tuberculosis Manila Family"
Douglas, James T Microbiology
Purpose of this proposal is to establish markers for use in identifying bacteria associated with tuberculosis in Hawaii.

11. HCF-Leahi Trust $30,000
"Role of Distension in Chronic Neonatal Lung Disease"
Millar, Lynnae K School of Medicine
Study chronic distension secondary to ventilator use in preterm neonates up-regulates PBEF, IL-8, and other distention responsive genes, and proteins produced secondary to distension cause tissue damage and chronic lung disease in the newborn.

12. HCF-Leahi Trust $29,210
"The TPCN1 Cation Channel is a Novel Target for Nitric Oxide Signaling in the Context of Chronic Airway Inflammation"
Stokes, Alexander Cell & Molecular Biology- MED
Initial studies of a Nitric Oxide protein that comprises a novel target for therapeutic regulation of airway smooth muscle tone.

13. HCF-Medical Research Funds $48,300
"The Use of Heliox to Prevent Early Nasal CPAP Failure in Extremely Low Birth Weight in Infants: A Pilot Study"
Sawyer, Taylor Pediatrics- MED
This research study is a preliminary investigation of heliox gas delivered via nasal continuous positive airway pressure to extremely low birth weight infants with respiratory distress syndrome. We believe using heliox will improve the respiratory status of these infants and may lead to less need for mechanical ventilation and a decreases in bronchopulmonary dysplasia.
FROM: Hawaii - Business and Other

1. Natural Energy Lab of Hawaii (NELH) $57,258
   "Deep Cold Water Pipe Inspection and Survey"
   Wiltshire, John C    HURL - SOEST
   Submersible dives to survey cold water pipes offshore the Natural
   Energy Laboratory of Hawaii.

FROM: Mainland - Associations, Foundation, Soc, etc.

1. Nat'l Fish and Wildlife Foundation $73,827
   "Cleaning Waikoko Stream Discharge to Hanalei Coral
   Reefs"
   Chaston, Katherine    Natural Resources &
   Best Management Practices will be applied to taro farming to reduce
   pollution in Waikoko Stream. Sediment and nutrient reduction will
   improve coral health and larval recruitment on adjacent reefs.

2. Nat'l Fish and Wildlife Foundation $70,000
   "Developing Tools for Assessing the Health of Reef Corals"
   Gates, Ruth    Haw Inst Marine Bio-SOEST
   We propose to develop gene-based tools to monitor and assess the
   impacts of land based pollution in corals with the goal of promoting
   resource management and conservation of coral reef resources.

FROM: Mainland - Business

1. DiObex Inc. $58,836
   "DiObex Inc. DIO-502"
   Arakaki, Richard F    Medicine- MED
   This is a Phase 2b study, randomized, double-blind, parallel-group.
   It will investigate the safety and efficacy of 16-weeks of treatment
   with DIO-902 of DIO-902 placebo in addition to Metformin and
   Atorvastatin of Atorvastatin placebo in subjects with type 2 diabetes.

2. Eli Lilly & Co $69,004
   "Eli Lilly & Company F3Z-US-IOPB"
   Arakaki, Richard F    Medicine- MED
   A randomized pharmaceutical trial that compares the drug isulin
   Lispro Protamine Suspension with Insulin Glargine in subjects with
   type 2 diabetes and are taking oral antihyperglycemic edications and
   Exenatide.
3. Science Applications International Corp $15,000
"Agent Based Modeling for PMRF Intent Analysis"
Chin, David N Info & Computer Science
Develop software to identify the possible plans of people entering the Kauai Pacific Missile Range Facility from their movements as detected by sensors.

4. Southwest Research Institute $75,000
"High Fidelity Electrochemical System Models for Powertrain Applications"
Liaw, Bor Yann Haw Nat Energy Inst -SOEST
To develop a set of high performance, high fidelity models for batteries and capacitors that will be used as part of the system model development by the sponsor.

5. SRI International $6,638
"Hawaii's IDEA General Supervision Enhancement Grant (GSEG)"
Shapiro, Beppie J Center on Disability Studies
Contractor will provide materials and processes to support sustainable, high quality data collection and reporting for OSEP Annual Performance Report indicator 3 & 4.

FROM: Mainland- Other

1. Alaska SeaLife Center $20,000
"Effects of Diet and Season on Nutrient Assimilation, Energetic Efficiency, Body Composition, Blood Metabolites and Hormone Profiles on Growing…"
Carpenter, James R Human Nutrition, Food & Survey literature to determine nutritional value of common dietary prey, enter data in ration formulation program, analyze various prey, blood, fecal & blubber samples, conduct rate of passage, in vivo digestibility & respective lab/statistical analyses, coordinate the metabolic studies & energetic calculations. Assess potential of acid insoluble ash as a biomarker.

2. Jet Propulsion Lab $11,260
"Cluster Environment Effects on Galaxy Evolution at z=0.2 (Abell 963 vs. Abell 2192)"
Morrison, Glenn Institute for Astronomy
To investigate star formation and gas properties of galaxies in two selected clusters to address how galaxies are affected by their surroundings.
3. Judge Baker Children's Center $313,353
"MacArthur Foundation Clinic Treatment Project - Year 5"
Chorpita, Bruce F Psychology
Will train and evaluate mental health interventions for youth in community clinics over a several year period. This is part of a multi-site trial that includes research in Boston, MA.

FROM: U.S. Universities and Colleges

1. Mississippi State University $39,667
"Improving the COAMPS Atmospheric Variational Data Assimilation System with Direct Use of Satellite Radiances"
Li, Tim Meteorology - SOEST
To construct a comprehensive, high-resolution western Pacific tropical cyclone reanalysis data product using the NAVDAS.

2. Univ of Arizona $25,013
"Participation in Gamma Ray Spectrometer Mission"
Englert, Peter Haw Inst Geophys & Planet
Peter Englert will provide the lead effort in completing thin target irradiations with energetic neutrons and protons.

3. Univ of Florida $40,431
"Rapid Assessment and Trajectory Modeling of Soil Carbon Across a Southeastern Landscape"
Bruland, Gregory Natural Resources &
This proposal is a subcontract to the Univ. of Hawaii (Dr. Bruland) for a larger proposal being submitted to the USDA NRI program by the Univ. of Florida (Dr. Grunwald). It involves the use of new methods to assess soil carbon.

4. Univ of Mississippi $80,000
"Technical Support of CTBT Infrasound IsTe IS59"
Garces, Milton Haw Inst Geophys & Planet
Continuation of operation and maintenance of infrasound array IS59.

5. Univ of Oregon $37,500
"Pixel Level Sampling CMOS Vertex Detector for the ILC"
Varner, Gary Physics & Astronomy
Evolve the Continuous Acquisition Pixel Detector (CAP) architecture & verify the suitability of this Monolithic Active Pixel Sensor (MAPS) technology for the International Linear Collider (ILC) through a sequence of two prototype devices.
6. Univ of Oregon  $13,000
   "Pixel Level Sampling CMOS Vertex Detector for the ILC"
   Varner, Gary  Physics & Astronomy
   Evolve the Continuous Acquisition Pixel Detector (CAP) architecture & verify the suitability of this Monolithic Active Pixel Sensor (MAPS) technology for the International Linear Collider (ILC) through a sequence of two prototype devices.

7. Yale University  $131,822
   "Alcohol Associated Outcomes Among HIV+/Aging Veterans"
   Gerschenson, Mariana  School of Medicine
   Developing mitochondrial and cytoplasmic asparate aminotransferase antibodies.

FROM: All Non-U.S.

1. Eisai Co., Ltd  $10,000
   "Olive Leaf Extract in the Amelioration of the Metabolic Syndrome"
   Theriault, Andre G  Medical Technology-MED
   Investigation of plant nutrients in the prevention of type 2 diabetes.

2. Haseko Corp.  $4,585
   "Determining the Influence of Drain Water on the Composition and Abundance of Intertidal Seaweeds Along Ewa, Oahu"
   Abbott, Isabella A  Botany
   I will assess the influence of drain water on intertidal seaweeds along Ewa coastline from Barber's Point to One'ula Beach Park. Sampling for this proposal will be during the rainy season and will be compared with the sampling done during the dry season. This information will be used to determine the impact of proposed drain on seaweeds near Papipi Drive.

FROM: Miscellaneous

1. Miscellaneous - Assign new code  $2,400
   "Genetic Architecture of Coral Reefs"
   Karl, Stephen A.  Haw Inst Marine Bio-SOEST
   Genetic assessment of coral colonies on a reef in Kaneohe Bay, Oahu, Hawaii. This funding is for laboratory support.
2. Oceanic Institute-HPU $179,998
"Hawaii Offshore Aquaculture Research Project (HOARP) V: Understanding Constraints to Industry Expansion"

Helsley, Charles E Sch Ocean,Earth Sci & Tec
Develop a mass balance model of nutrient flows and sinks from offshore cages to assess nutrient impacts on surrounding environments using water quality measurements, geochemical analyses of the sediments, flux analyses, and assessment of the changes in the composition of the benthic biota beneath and around the cages.

NON-RESEARCH AWARDS

FROM: DA-Dept of Agriculture

1. DA-Dept of Agriculture $250,000
"United States Navy/4-H Youth Development Project"
Ikeda, Carol S Coop Extension Svc- CTAHR
The United States Navy/4-H Youth Development Project will establish 4-H clubs and programs on Navy installations working in collaboration with Navy Child and Youth Services Programs.

2. DA-Sustainable Agriculture Research & $25,000
"Subregional Showcase Conference for Hawaii"
Deenik, Jonathan Tropical Plant & Soil Science
Hold a 2-day conference in Hawaii for WSARE stakeholders from Hawaii and American Samoa.

3. Garden Island Resource Conservation & $100,092
"Kauai Invasive Species Committee Coqui Frog Eradication"
Duffy, David Botany
Support Kauai Invasive Species Committee's coqui frog eradication efforts.

FROM: DOD-Dept of Defense

1. DOD-Dept of Navy $43,106
"Pair-wise Processing for Passive Localization of Multiple Broadband CW Sources, with an Application to Humpback Whales-Grad E. Nosal"
Frazer, L Neil Geology & Geophys - SOEST
The goal of this project is to develop a pair-wise processing algorithm to localize multiple unknown broadband sources in shallow water with sparse hydrophone arrays. The algorithm will be validated using humpback whale recordings from the Pacific Missile
FROM: Independent Federal Agencies- Minor

1. Nat'l Geospatial-Intelligence Agency $120,000
   "Nano- and Micro-Enzymatic Power Sources - Postdoc Fellowship"
   Liaw, Bor Yann Haw Nat Energy Inst -SOEST
   To train postdoctoral research fellow to develop skills for fabricating micro-biofuel cells.

2. Peace Corps $2,990
   "Collaboration for Peace Corps Recruiting Activities at the University of Hawaii Campuses"
   Samaan, Janette S MISC- Coll 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.

FROM: Hawaii- Government Agencies

1. Hawaii-Dept of Business & Economic $49,000
   "Hawaii-China Film Development Programs"
   Brislin, Thomas SVP - Academic Affairs
   Create, support, equip, and distribute film projects, sponsor training workshops, and develop exchange programs for student film makers from the University of Hawaii and from universities in China.

2. Hawaii-Dept of Education $25,000
   "An Evaluation of the Hana 21st Century Community Learning Centers Project in 2007-08"
   Higa, Terry Ann CRDG
   The evaluators will collect, summarize, and report data to address the requirements of the 21st Century program, including academic achievement, implementation of activities, demographic data, project partnerships, academic behavior, community partners, services to parents and other adults, operating data (hours and staffing), and NCLB status.

3. Hawaii-Dept of Health $493,739
   "Social Work Services"
   Matsuoka, Jon K School of Social Work
   Provide social work services in conjunction with on-site training for social work students in adult mental health case management and psycho-social rehabilitation.
4. Hawaii-Dept of Human Services $32,957
"CWS Waianae Collaboration Project"
Alvarez, Mario School of Social Work
Develop and assist in the implementation of a set of materials designed to maximize the effectiveness and collaboration of child welfare services and private agency services to families confirmed and at risk for child abuse and neglect.

5. Hawaii-Dept of Human Services $293,442
"Partnership to Promote the Efficiency and Effectiveness of State of Hawaii's Medicaid Program through Quality Assurance"
Boland, Mary G. Nursing
The School of Nursing & Dental Hygiene will collaborate with the State Department of Human Services to promote the efficiency and effectiveness of the State's Medicaid program through assistance to complement and improve the Quality Assurance activities performed by DHS staff.

6. Hawaii-Dept of Human Services $208,031
"SONDH Mental Health Task Order to Improve the Efficiency and Effectiveness of the Medicaid System"
Chinn, Ramona Nursing
This will be an outreach service project to facilitate mental health services for children and adolescents who are Medicaid eligible. There will be a needs assessment component and then specific culturally sensitive outreach to clinicians in primary care and to Medicaid eligible families.

7. Hawaii-Dept of Human Services $84,406
"Partnership to Promote the Efficiency and Effectiveness of State of Hawaii's Medicaid Program through Planning for Personal Assistance Services"
Marshall, Stephanie Nursing
Develop a strategic plan to address UH School of Nursing & Dental Hygiene's role of implementing the State of Hawaii Medicaid Personal Assistance Services. This includes but is not limited to developed a tracking database and quality assurance plan.

8. Hawaii-Dept of Land & Natural Resources $31,080
"Deep Coral Reef Ecosystem Studies - Purchase Order No. C81390"
Wiltshire, John C HURL - SOEST
Submersible Dive for the purpose of collecting fishes, corals, invertebrates and algae off of Maui.
<table>
<thead>
<tr>
<th>Project Description</th>
<th>Funding</th>
<th>PI</th>
</tr>
</thead>
<tbody>
<tr>
<td>9. Pacific New Media - 2008</td>
<td>$5,473</td>
<td>Horowitz, Susan I Outreach College</td>
</tr>
<tr>
<td>Workshops and public talks on film/video, photography, digital imaging, and web</td>
<td></td>
<td>design.</td>
</tr>
<tr>
<td>10. Intersections Visiting Artist and Scholar Program - 2008</td>
<td>$4,268</td>
<td>Kawabata, Wendy Ctr. Arts and Humanities</td>
</tr>
<tr>
<td>Funding for a lecture and residency series of visiting artists and scholars.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. The Nippu Jiji Photo Archive: Caring for and Translating a Cultural Resource -</td>
<td>$6,584</td>
<td>Kosasa, Karen American Studies</td>
</tr>
<tr>
<td>2008</td>
<td></td>
<td>The Nippu Jiji photographs need proper archival housing and the</td>
</tr>
<tr>
<td>captions need to be translated.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Present performances and workshops/lectures for public.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>st&quot;</td>
<td></td>
<td>Six-month intensive training period with guest artists in Balinese</td>
</tr>
<tr>
<td>dance, music and shadow theatre, culminating in eight public performances of &quot;A</td>
<td></td>
<td>Balinese Tempest&quot; in Kennedy Theatre.</td>
</tr>
<tr>
<td>14. World Performance Series - 2008</td>
<td>$13,937</td>
<td>Slaughter, Timothy R Outreach College</td>
</tr>
<tr>
<td>Presentation of performances, workshops and outreach activities by touring artists.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Publication of four issues of an international literary journal.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
16. Hawaii-State Foundation on Culture & the Arts  $9,805
   "Special Exhibitions Program 2008"
   Yoshihara, Lisa  Art
   Precious Treasures: Jeweled Adornments & Symbols of Prestige
   exhibition and catalog.

FROM: Hawaii-Associations, Foundations, Societies, etc.

1. Coalition for a Drug Free Hawaii  $52,500
   "Drug and HIV Prevention for Minority Girls"
   Kameoka, Velma A  Psychology
   Year 5 of original contract. Please refer to attached MOA and

2. Molokai Community Service Council  $133,274
   "Molokai Na Lei Mamo Project Year 2"
   Alvarez, Mario  School of Social Work
   Providing training, consultation and supervision to staff of the Na Lei
   Mamo Project based in Molokai.

3. Molokai Community Service Council  $19,600
   "Molokai Youth Center Project"
   Alvarez, Mario  School of Social Work
   Providing training, consultation and supervision to staff of the Youth
   Center Project based in Molokai.

4. Partners in Development  $577,368
   "'Ike Ea: A Proposal to Teach Hands-On and Activity Based
   Wireless and Electronics Curricula to Native Hawaiian Families"
   Iskander, Magdy F  HCAC (HI Ctr for Advanced
   To provide workshops and classroom experiences for seventh and
   eighth grade students and teachers, to work together with 'Ike Ea
   staff to accomplish goals of the project.

FROM: Hawaii- Business and Other

1. Bishop Museum  $18,157
   "Bishop Museum Service Agreement"
   Baumgartner, Erin  Curric & Instruction
   Development of instructional module and associated teacher training
   at Bishop Museum in support of education through Cultural and
   Historic Organizations effort.
2. Oceanic Institute-Ctr for Trop & Subtrop Aqua  $24,600
   "Pacific Regional Aquaculture Information Service for
   Education - Year 19"
   Anderson, Kristen L  Library Services
   Continue the PRAISE program to promote transfer of information
   within the Pacific Aquaculture community including: digitization of
   documents to expand gray literature project, implement interactive
   communication system, ongoing information services.

FROM: Hawaii- Health Organizations

1. Hawaii Medical Center East  $1,530
   "Salary, Fringe Benefit & Malpractice Insurance
   Reimbursement Agreement - FY2007, Agreement No.
   SF07-SFMC-SURG"
   Takanishi, Danny M.  Surgery- MED
   Salary, Fringe Benefit & Malpractice reimbursement agreement to
   provided physician and physician related services for FY 2007.

2. Kuakini Medical Cntr  $621,072
   "Salary Fringe Benefit & Malpractice Insurance Agreement
   - FY2008, Agreement No. SF08-KUAKINI-SURG"
   Takanishi, Danny M.  Surgery- MED
   Salary, Fringe Benefit & Malpractice reimbursement agreement to
   provided physician and physician related services for FY 2008.

3. Kuakini Medical Cntr  $209,998
   "Salary, Fringe Benefit & Malpractice Insurance
   SF08-KUAKINI-MED"
   Tam, Elizabeth K  Medicine- MED
   Salary, Fringe Benefit & Malpractice reimbursement agreement to
   provided physician and physician related services for FY 2008.

4. Univ. Clinical, Education & Research Assoc.  $3,855,590
   "Salary, Fringe Benefit & Malpractice Insurance
   Reimbursement Agreement - FY2008 Agreement No.
   SF08-UCERA-OBGYN"
   Millar, Lynnae K  Obstetrics - GYN - MED
   Salary, Fringe Benefit & Malpractice Insurance reimbursement
   agreement to provide physician and physician related services for
   FY 2008.
FROM: Mainland- Associations, Foundation, Soc, etc.

1. Consortium for Oceanographic Rsrch & Educ $15,000
   "Hawaii Regional Ocean Sciences Bowl 2008"
   Cooper, Patricia Sch Ocean,Earth Sci & Tec
   Organize and host the 2008 Hawaii Regional Ocean Sciences Bowl in Honolulu.

2. Ford Foundation $553,840
   "Improving Vietnam's Planning and Urban Management in an Era of Globalization"
   Spencer, James Social Science Rsrch Inst
   Provide research and training to support Hanoi Architecture University faculty, Vietnamese professionals, and Urban Planning.

3. NEC Foundation of America $53,000
   "Accessibility for All: A Pilot Study for Development of a Remote Accessibility Assessment System"
   Kim-Rupnow, Weol-Soon Center on Disability Studies
   The purpose of the "Accessibility for All" project is to explore the usefulness of the digitized Remote Accessibility Assessment system (RAAS) to people with disabilities in underserved areas.

4. New England Foundation for the Arts $2,040
   "Keo Woolford, I-land"
   Patti, Joseph Leeward CC
   Present performance of I-land by Keo Woolford.

FROM: Mainland- Other

1. Dance USA $10,000
   "Paul Taylor's "Three Epitaphs" at the University of Hawaii at Manoa"
   Fisher, Elizabeth Theatre & Dance
   To restage masterwork "Three Epitaphs" for graduate and undergraduate dance majors for five performances at UHM's Kennedy Theatre.

2. Nat'l Geographic Society $50,000
   "HGA Education Network Grant 2007 Proposal"
   McGranaghan, Matthew P Geography
   Continuation of the Hawaii Geographic Alliance outreach for Geography in the schools.
FROM: U.S. Universities and Colleges

1. Mississippi State University  $18,975
   "University of Hawaii Participation in MOS University Consortium PET Project"
   Lassner, David K  Info Technology Services
   The University of Hawaii will support the MOS University Team with the Training Coordination of the DoD PET Program. It will also respond to requests for technical training support as requested.

2. Univ of California- Davis  $50,000
   "Hawaii Pest Management and Regulatory Information and Notification Network"
   Kawate, Michael K  Plant & Environmental
   To facilitate input of pest management stakeholders to the WIPMC, identify stakeholder pest management needs and priorities, further the development of knowledge, information, technology and communication for the benefit of stakeholders and the environment, promote collaborations and actively link various agencies with pest management stakeholders in Hawaii.
Funds Received from UH Foundation

RESEARCH AWARDS

FROM: Hawaii-Associations, Foundations, Societies, etc.

1. Univ of Hawaii Foundation $15,000
   "Plant and Protein Biotech Research"
   Su, Wei-Wen W Molecular Biosciences &
   Research on protein production from plants and characterization of
   proteins.

NON-RESEARCH AWARDS

FROM: Hawaii-Associations, Foundations, Societies, etc.

1. Univ of Hawaii Foundation $1,100
   "Art Lecturer"
   Bingham, Thomas R. College of Arts & Humanities
   To pay for insurance for a lecturer.

2. Univ of Hawaii Foundation $7,500
   "The Primal Quest"
   Herman, Louis G UH-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.

3. Univ of Hawaii Foundation $75,000
   "Early Childhood Course Development Project, 2007-09"
   Johnsrud, Linda Planning & Policy
   To pay for program costs, overload, and release time for early
   childhood faculty throughout the UH system to develop, implement,
   and evaluate online courses in early childhood development.

4. Univ of Hawaii Foundation $74,746
   "Kellogg P-3 Expenditures"
   Johnsrud, Linda College of Education
   To pay for payroll (salary and fringe) and non-payroll expenditures
   related to the Kellogg P-3 grant for the project period of July 1, 2007
   through December 31, 2014.

5. Univ of Hawaii Foundation $658,767
   "Career Development Award"
   Karl, David M Oceanography - SOEST
   To support David Karl and his research in marine microbiology.
6. Univ of Hawaii Foundation $16,500
"Manoa Climate Change Commission (MCCC)"
Magaard, Lorenz Sch Ocean,Earth Sci & Tec
Support to graduate student research assistantship and administrative support at the International Center for Climate and Society (ICCS).
## SUMMARY

### EXTRAMURAL RESEARCH AWARDS, 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>Dept of Education</td>
<td>2</td>
<td>$34,058</td>
<td>0.50</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>1</td>
<td>$1,156,615</td>
<td>17.00</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>4</td>
<td>$449,709</td>
<td>6.61</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>10</td>
<td>$2,198,679</td>
<td>32.32</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>3</td>
<td>$236,645</td>
<td>3.48</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>3</td>
<td>$299,734</td>
<td>4.41</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>6</td>
<td>$509,062</td>
<td>7.48</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>14</td>
<td>$583,324</td>
<td>8.58</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>1</td>
<td>$57,258</td>
<td>0.84</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>2</td>
<td>$143,827</td>
<td>2.11</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>5</td>
<td>$224,478</td>
<td>3.30</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>3</td>
<td>$344,613</td>
<td>5.07</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>7</td>
<td>$367,433</td>
<td>5.40</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>2</td>
<td>$14,585</td>
<td>0.21</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>2</td>
<td>$182,398</td>
<td>2.68</td>
</tr>
<tr>
<td></td>
<td>65</td>
<td>$6,802,418</td>
<td>100.00</td>
</tr>
</tbody>
</table>
### SUMMARY

**EXTRAMURAL NON-RESEARCH AWARDS, 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>3</td>
<td>$375,092</td>
<td>4.20</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>1</td>
<td>$43,106</td>
<td>0.48</td>
</tr>
<tr>
<td>Independent Federal Agencies- Minor</td>
<td>2</td>
<td>$122,990</td>
<td>1.38</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>16</td>
<td>$1,288,862</td>
<td>14.43</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>10</td>
<td>$1,616,355</td>
<td>18.10</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>2</td>
<td>$42,757</td>
<td>0.48</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>4</td>
<td>$4,688,190</td>
<td>52.50</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>4</td>
<td>$623,880</td>
<td>6.99</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>2</td>
<td>$60,000</td>
<td>0.67</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>2</td>
<td>$68,975</td>
<td>0.77</td>
</tr>
<tr>
<td></td>
<td>46</td>
<td>$8,930,207</td>
<td>100.00</td>
</tr>
</tbody>
</table>
## YEAR-TO-DATE SUMMARY
### EXTRAMURAL RESEARCH AWARDS,
#### 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>21</td>
<td>$2,420,237</td>
<td>2.29</td>
</tr>
<tr>
<td>Dept of Education</td>
<td>24</td>
<td>$1,698,399</td>
<td>1.61</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>58</td>
<td>$33,846,674</td>
<td>32.08</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>51</td>
<td>$22,866,496</td>
<td>21.67</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>60</td>
<td>$11,756,161</td>
<td>11.14</td>
</tr>
<tr>
<td>DOE-Dept of Energy</td>
<td>9</td>
<td>$1,358,309</td>
<td>1.29</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>1</td>
<td>$300,000</td>
<td>0.28</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>2</td>
<td>$173,601</td>
<td>0.16</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>62</td>
<td>$14,815,922</td>
<td>14.04</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>37</td>
<td>$3,029,074</td>
<td>2.87</td>
</tr>
<tr>
<td>Independent Federal Agencies- Minor</td>
<td>1</td>
<td>$120,000</td>
<td>0.11</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>43</td>
<td>$4,014,482</td>
<td>3.80</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>28</td>
<td>$1,039,721</td>
<td>0.99</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>17</td>
<td>$1,188,766</td>
<td>1.13</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>2</td>
<td>$34,265</td>
<td>0.03</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>11</td>
<td>$450,078</td>
<td>0.43</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>21</td>
<td>$1,361,927</td>
<td>1.29</td>
</tr>
<tr>
<td>Mainland- Health Organizations</td>
<td>2</td>
<td>$62,587</td>
<td>0.06</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>24</td>
<td>$1,473,017</td>
<td>1.40</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>39</td>
<td>$2,842,793</td>
<td>2.69</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>7</td>
<td>$365,697</td>
<td>0.35</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>4</td>
<td>$290,822</td>
<td>0.28</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>524</strong></td>
<td><strong>$105,509,028</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
YEAR-TO-DATE SUMMARY
EXTRAMURAL NON-RESEARCH AWARDS,
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>11</td>
<td>$2,799,559</td>
<td>3.50</td>
</tr>
<tr>
<td>Dept of Education</td>
<td>10</td>
<td>$679,511</td>
<td>0.85</td>
</tr>
<tr>
<td>DHHS-Dept of Health &amp; Human Services</td>
<td>28</td>
<td>$15,430,787</td>
<td>19.31</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>12</td>
<td>$1,493,238</td>
<td>1.87</td>
</tr>
<tr>
<td>DOD-Dept of Defense</td>
<td>6</td>
<td>$2,242,714</td>
<td>2.81</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>41</td>
<td>$16,994,436</td>
<td>21.26</td>
</tr>
<tr>
<td>HUD-Dept of Housing &amp; Urban Development</td>
<td>2</td>
<td>$1,381,247</td>
<td>1.73</td>
</tr>
<tr>
<td>Environmental Protection Agency</td>
<td>1</td>
<td>$14,114</td>
<td>0.02</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>9</td>
<td>$2,745,354</td>
<td>3.44</td>
</tr>
<tr>
<td>Nat'l Aeronautics &amp; Space Administration</td>
<td>6</td>
<td>$723,646</td>
<td>0.91</td>
</tr>
<tr>
<td>Independent Federal Agencies- Minor</td>
<td>5</td>
<td>$663,720</td>
<td>0.83</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>54</td>
<td>$18,617,912</td>
<td>23.30</td>
</tr>
<tr>
<td>Hawaii- Associations, Foundations, Societies, etc.</td>
<td>46</td>
<td>$3,651,207</td>
<td>4.57</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>15</td>
<td>$1,647,597</td>
<td>2.06</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>20</td>
<td>$8,528,265</td>
<td>10.67</td>
</tr>
<tr>
<td>Mainland- Associations, Foundation, Soc, etc.</td>
<td>13</td>
<td>$860,839</td>
<td>1.08</td>
</tr>
<tr>
<td>Mainland- Business</td>
<td>2</td>
<td>$229,330</td>
<td>0.29</td>
</tr>
<tr>
<td>Mainland- Health Organizations</td>
<td>1</td>
<td>$20,000</td>
<td>0.03</td>
</tr>
<tr>
<td>Mainland- Other</td>
<td>8</td>
<td>$253,271</td>
<td>0.32</td>
</tr>
<tr>
<td>U.S. Universities and Colleges</td>
<td>11</td>
<td>$691,158</td>
<td>0.86</td>
</tr>
<tr>
<td>All Non-U.S.</td>
<td>6</td>
<td>$192,738</td>
<td>0.24</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>2</td>
<td>$61,270</td>
<td>0.08</td>
</tr>
</tbody>
</table>

Total: 309 $79,921,912 100.00
Awards Received by University of Hawaii at Hilo

RESEARCH AWARDS

FROM: DOI-Dept of Interior
1. DOI-Dept of Interior             $40,500
   "UHH Salinity for Anchialine Pool"
   Sharon Ziegler Chong            UHH-Aquaculture

FROM: NSF-Nat'l Science Foundation
1. NSF-Nat'l Science Foundation    $50,000
   "Collaborative Research Kohala, Hawaii/Participant Support"
   William Steiner                 UHH-Agriculture

FROM: Hawaii Government Agencies
1. County of Hawaii-Shippers' Wharf Committee Trust  $5,956
   "Microbial Water Quality"
   Stephanie Molloy                 UHH-Natural Sciences

NON-RESEARCH AWARDS

FROM: Mainland Other
1. Nisbet Oyster Company, Inc.     $6,720
   "Hawaii Oyster Spawning Trials"
   Maria Haws                      UHH-Aquaculture

FROM: US Colleges and Universities
1. University of Rhode Island      $110,749
   "Sustainable Coastal Communities & Ecosystems"
   Maria Haws                      UHH-Aquaculture

FROM: Hawaii Association, Foundation and Societies
1. UH Foundation               $13,450
   "Marine Debris Speaker Series"
   Karl McDermid Smith            UHH-Biology
UNIVERSITY OF HAWAII AT HILO SUMMARY

EXTRAMURAL RESEARCH AWARDS, NOVEMBER 2007 - NOVEMBER 2007

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>DOI-Dept of Interior</td>
<td>1</td>
<td>$40,500</td>
<td>42.00</td>
</tr>
<tr>
<td>NSF-Nat'l Science Foundation</td>
<td>1</td>
<td>$50,000</td>
<td>52.00</td>
</tr>
<tr>
<td>Hawaii Government Agencies</td>
<td>1</td>
<td>$5,956</td>
<td>6.00</td>
</tr>
<tr>
<td>Total</td>
<td>3</td>
<td>$96,456</td>
<td>100.00</td>
</tr>
</tbody>
</table>
### UNIVERSITY OF HAWAII AT HILO SUMMARY

**EXTRAMURAL NON-RESEARCH AWARDS, NOVEMBER 2007 - NOVEMBER 2007**

**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>Mainland Other</td>
<td>1</td>
<td>$6,720</td>
<td>5.00</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
<td>1</td>
<td>$110,749</td>
<td>85.00</td>
</tr>
<tr>
<td>Hawaii Association, Foundation &amp; Societies</td>
<td>1</td>
<td>$13,450</td>
<td>10.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>3</strong></td>
<td><strong>$130,919</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>
UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

EXTRAMURAL NON-RESEARCH AWARDS, JULY 2007 - NOVEMBER 2007

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>DOA-Dept of Agriculture</td>
<td>1</td>
<td>$11,500</td>
<td>0.00</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>7</td>
<td>$3,562,578</td>
<td>62.00</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>2</td>
<td>$386,382</td>
<td>7.00</td>
</tr>
<tr>
<td>Dept of State</td>
<td>1</td>
<td>$6,300</td>
<td>0.00</td>
</tr>
<tr>
<td>NSF-Nat'l Science Foundation</td>
<td>1</td>
<td>$429,518</td>
<td>7.00</td>
</tr>
<tr>
<td>Mainland Other</td>
<td>1</td>
<td>$6,720</td>
<td>0.00</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
<td>1</td>
<td>$110,749</td>
<td>2.00</td>
</tr>
<tr>
<td>Hawaii Business &amp; Other</td>
<td>3</td>
<td>$1,195,790</td>
<td>20.00</td>
</tr>
<tr>
<td>Hawaii Government Agencies</td>
<td>2</td>
<td>$26,000</td>
<td>0.00</td>
</tr>
<tr>
<td>Hawaii Association, Foundations &amp; Societies</td>
<td>2</td>
<td>$128,450</td>
<td>2.00</td>
</tr>
<tr>
<td>Total</td>
<td>21</td>
<td>$5,863,987</td>
<td>100.00</td>
</tr>
</tbody>
</table>
PURSUANT TO BOARD OF REGENTS’ POLICY, CHAPTER 8-1E
SUBMISSION OF CONTRACT FOR PROCUREMENT OF GOODS/SERVICES
EXCEEDING $500,000 FOR BOARD APPROVAL

Description: To provide parking gate and pay station operations, daily
collection and accounting of parking revenue, and leasing of
gate equipment including maintenance for the Manoa
Campus

Contractor: Ampco System Parking

Amount: $1,155,981.00 per year (estimated)

Term: March 1, 2008 to February 28, 2009, renewable for a total of
five (5) years

Campus: UH Manoa, Auxiliary Services

Fund Source: Revolving

Recommendation: That the Board approve the contract for services as
recommended.
PURSUANT TO BOARD OF REGENTS’ POLICY, CHAPTER 8-1E
SUBMISSION OF CONTRACT FOR PROCUREMENT OF GOODS/SERVICES
EXCEEDING $500,000 FOR BOARD APPROVAL

Description: To provide parking enforcement and traffic control services for the Manoa Campus

Contractor: Freeman Guards, Inc.

Amount: $1,188,578.00 per year (estimated)

Term: March 1, 2008 to February 28, 2009, renewable for a total of five (5) years

Campus: UH Manoa, Auxiliary Services

Fund Source: Revolving

Recommendation: That the Board approve the contract for services as recommended.
Appointments, changes in appointments, leaves of absence, promotion, tenure, waiver of minimum qualifications, emeritus titles, shortening of probationary period, salary adjustments, position actions, classification, pricing.

UNIVERSITY OF HAWAI'I AT MĀNOA

Executive

CUTSHAW, KATHLEEN D.
Vice Chancellor
Mānoa Chancellor’s Office
Special Salary Adjustment
Upon Board Approval

HEDGES, JERRIS R.
Dean
John A. Burns School of Medicine
Multi-year Appointment
March 1, 2008 – February 28, 2011

Recommendation: That the Board approve the personnel actions as recommended.