BOARD OF REGENTS’ MEETING

Date:  July 31, 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:  Leeward Community College
        Campus Center Student Lounge
        96-045 Ala Ike Street
        Pearl City, Hawai‘i 96782

AGENDA

I. Call Meeting to Order

II. Approval of Meeting Minutes of May 29, 2008

III. 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.

IV. Report of the President

V. Report of the University of Hawai‘i Foundation

VI. Items for Board Action:

University of Hawai‘i - Mānoa

1. Expansion of the Scope of Work for Construction and Consideration of Alternative Financing Opportunities for the Biomedical Sciences Building (information only)
2. Approval of Cancer Research Center Development Lease with Hawai‘i Community Dev. Authority
3. Acceptance of Barry and Virginia Weinman Gift and Approval of Donor Recognition by Naming the Dean’s Chair at John A. Burns School of Medicine

Community Colleges

4. Approval of Conversion of Provisional Status to Established Status for the Associate in Applied Sciences and Certificate of Achievement in Hospitality and Tourism – Hawai‘i Community College
5. Acceptance of Conrad N. Hilton Foundation Gift

University of Hawai‘i System

6. Approval of CIP and R&M Projects Contracts
7. Quarterly Financial Status Report (information only)
8. Quarterly Endowment Fund Performance Report by Smith Barney (information only)
VII. Acceptance and Approval of Gifts, Grants and Contracts [Attachments A-1; A-2; A-3; A-4; A-5]

VIII. 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 [Attachments B1; B2; B3]

IX. Announcements

   Next Meeting of the Board:
   Date: August 22, 2008
   Place: Windward Community College

X. Executive Session (closed to the public):

   Personnel Actions Related to the Following Positions: (To discuss the following personnel matters pursuant to HRS §92-5(a)(2))
   a. Approval of Emeritus Title Recommendations
   b. Performance-Based Executive Salary Adjustments
   c. Approval of Appointment of Interim Vice Chancellor for Academic Affairs, UH Mānoa
   d. Update on Executive Searches

   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))
   e. Approval of Cancer Research Center Development Lease with Hawai‘i Community Dev. Authority

   Legal and Personnel Matters: (To consult with attorneys and discuss personnel matters pursuant to HRS §92-5(a)(2) and HRS §92-5(a)(4))
   f. Contract Mediation, Former UHM Football Coach

   Collective Bargaining: (To discuss authority of persons conducting labor negotiations and conducting negotiations pursuant to HRS §92-5(a)(3))
   g. Collective Bargaining

XI. Presentation of the Report of the BOR Task Group on Regent Development and Leadership Regarding Election of Board Officers

XII. Board Self-Evaluation: Discussion

XIII. Adjournment

PERSONS WITH DISABILITIES WHO MAY NEED AN ACCOMMODATION, PLEASE CALL THE BOARD OF REGENTS’ OFFICE
Gifts, Grants, and Contracts

The following gifts, grants and contracts received by all campuses except the University of Hawai'i at Hilo during the period April 1, 2008 through April 30, 2008 total $28,070,082. The University of Hawai'i at Hilo received a total of $1,039,102 during the same period.

Gifts, Grants and Contracts Received  April 1 - 30, 2008

RESEARCH AWARDS

FROM: DA-Dept of Agriculture

1. DA-Dept of Agriculture $139,134
   "Area-Wide Pest Management Tephritid Flies that Infest Hawaii-Grown Fruits and Vegetables"
   Mau, Ronald Plant & Environmental Protection
   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.

FROM: Dept of Education

1. DOI-Geological Survey $18,750
   "National Assessment: Historical Shoreline Changes and Associated Coastal Land Loss Along Sandy Shorelines of the Islands Oahu, Maui, and Kauai"
   Fletcher, Charles H Geology & Geophys - SOEST
   Analyze statistical techniques for determining long-term shoreline change rates and work with the national assessment co-op in statistical tool development for application to DSAS.

2. DOI-Nat'l Park Service $29,963
   "Invasive Coqui Study and Public Outreach in Hawaii Volcanoes National Park and Vicinity"
   Duffy, David Botany
   Monitor and collect data on coqui frog populations in Hawaii Volcanoes National Park, implement control methods including testing barricades and chemical treatments, and provide technical assistance and public outreach.

FROM: DHHS-Dept of Health & Human Services

1. National Institutes of Health $835,228
   "Diet and Duration of Cervical HPV Infection"
   Goodman, Marc T Cancer Research Center
   This study aims to identify factors that influence the persistence or resolution of human papillomavirus (HPV) of the uterine cervix.
2. National Institutes of Health $19,603
   "HIV-1 Proviral DNA and Monocyte Phenotype in Relation to Neurocognitive Function (Supplement)"
   Shiramizu, Bruce Pediatrics- MED
   The grant application is a supplement to a funded R01 grant application that will collaborate with investigators at University of Puerto Rico Medical Science Campus in studying neurocognitive problems in Hispanic women; in response to NIH NOT-NS-08-006.

3. NIH-Natl Cancer Institute (NCI) $11,961
   "Multiethnic Cohort Study of Diet and Cancer (VDPP: Rarer Cancers)"
   Kolonel, Laurence N Cancer Research Center
   The goal of this supplemental project is to examine the relationship of vitamin D to the risk of several less common cancers.

4. NIH-Natl Heart, Lung & Blood Institute $15,350
   "University of Hawaii Research Scientist Award in Molecular Cardiology"
   Shohet, Ralph Medicine- MED
   Phase II (years 3-7) will establish a research and education program with the recruited scientist as principal investigator.

FROM: DOC-Dept of Commerce

1. DOC-National Oceanic & Atmospheric Administration $137,454
   "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.

FROM: DOD-Dept of Defense

1. DOD-Air Force Space & Missile System Center $693,465
   "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 $10,251
   "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 $6,264
   "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.
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<th>DOD-Dept of Air Force</th>
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<td>&quot;Operations and Management of the Maui Supercomputing Center&quot;</td>
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<td>&quot;Operations and Management of the Maui Supercomputing Center&quot;</td>
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<td>&quot;Operations and Management of the Maui Supercomputing Center&quot;</td>
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<td>10.</td>
<td>DOD-Dept of Air Force</td>
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<td>&quot;Operations and Management of the Maui Supercomputing Center&quot;</td>
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<td>11.</td>
<td>DOD-US Army Medical Research &amp; Material Command</td>
<td>$1,437,761</td>
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<td>&quot;Diabetes Care and Treatment: A Telemedicine Initiative&quot;</td>
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<td>Bursell, Sven-Erik</td>
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<td>Dean's Office- MED</td>
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<td>WCCHC-Waianae Coast Comprehensive Health Center, PCM-Physician's Center of Mililani, MGH-Molokai General Hospital; The major goals of this continuing project are the establishment and evaluation of a telemedicine system for comprehensive diabetes management and the assessment of diabetic retinopathy.</td>
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FROM: DOE-Dept of Energy

1. DOE-Dept of Energy $425,000
   "I. Structural and Mechanistic Studies of Doped Alanates; II. Kinetic Enhancement of Thermodynamically Tuned, High Capacity, Reversible Metal Hydrides"
   Jensen, Craig M Chemistry
   Development of High Performance Hydrogen Storage Materials.

FROM: National Science Foundation

1. National Science Foundation $142,638
   "A Comparison of Aerosol Organic Carbon Measurements and Models in the Free Troposphere at MLO"
   Huebert, Barry J Oceanography - SOEST
   We are proposing to measure carbon-containing aerosol particles (OC) at the Mauna Loa Observatory, to determine how important these particles are for radiative forcing of climate. We will also conduct a comparison between the OC we measure and the OC predicted by several numerical aerosol models.

2. National Science Foundation $732,000
   "Pacific Research Center for Marine Biomedicine"
   Laws, Edward A Oceanography - SOEST
   Create a research center that will conduct research on harmful algal blooms, water- and vector-borne diseases, and marine-derived pharmaceuticals and probes in the thematic context of tropical coastal waters and small islands.

3. National Science Foundation $229,995
   "Harvesting Mechanical Energy From Low Frequency Ambient Vibrations of Civil Infrastructural Systems Using Nonlinear"
   Ma, Tianwei Civil and Environmental
   The proposed research will address the critical issues in energy harvesting in the context of civil engineering applications. A new method and device architecture will be developed.

4. National Science Foundation $528,268
   "Scale Interactions in the Equatorial Ocean"
   Richards, Kelvin Oceanography - SOEST
   Modeling of flow instabilities and interactions in the equatorial ocean.

5. National Science Foundation $225,504
   "Digital Deliberation: Searching and Deciding About How to Vote"
   Robertson, Scott Info & Computer Science
   This project is a behavioral study of voters using the Internet to search for information about candidates and ballot issues. The goals are to understand search behavior in this domain, examine how political decision making theories are influenced by digital contexts, and to develop guidelines for voter information portals.
FROM: Nat'l Aeronautics & Space Administration
1. Nat'l Aeronautics & Space Administration $164,989
   "APANL: InSAR and Thermal Analyses of Kuril-Kamchatka Volcanoes"
   Brooks, Benjamin           Haw Inst Geophys & Planet
   Relate remotely-sensed volcano deformation to eruptions.
2. Nat'l Aeronautics & Space Administration $132,656
   "CME Structure, Evolution and Interaction with the Ambient Corona"
   Habbal, Shadia             Institute for Astronomy
   The program will demonstrate the role of solar magnetic field and their impact on the Earth's environment.
3. Nat'l Aeronautics & Space Administration $130,192
   "Large Scale and Fine Scale Density Structures of the Quiescent and Dynamic Solar Corona"
   Habbal, Shadia             Institute for Astronomy
   We propose to apply a new image processing technique to a wide range of images of the corona during solar maximum. The goal is to achieve a better understanding of the magnetic features defining the corona, in particular their quiescent and dynamic behavior, and their subsequent impact of the solar wind.
4. Nat'l Aeronautics & Space Administration $14,967
   "TARGET C: The Cluster Mass-Temperature Relation Via Precise Weak Lensing Maps"
   Henry, J Patrick            Institute for Astronomy
   We propose to measure the temperature of systems in the Canadian Cluster Comparison Project (CCCP). The CCCP is a Canada-Hawaii-France Telescope (CFHT) wide-field weak lensing survey of 52 clusters.
5. Nat'l Aeronautics & Space Administration $57,000
   "Chemical, Mineralogical, and Isotopic Characterization of Stardust Samples from Comet Wild 2 by Ion Microprobe and Confocal Raman Spectroscopy"
   Huss, Gary                 Haw Inst Geophys & Planet
   I propose to study samples returned by NASA's Stardust mission to comet Wild 2 using our new cameca ims 1280 ion microprobe and Witec Confocal Raman microscope. The results will give us a better understanding of the origin of the solar system.
6. Nat'l Aeronautics & Space Administration $60,000
   "Nature of Oxygen Isotopic Exchange in Refactory Inclusions"
   Krot, Alexander N           Haw Inst Geophys & Planet
   Studies isotopic composition of materials.
7. Nat'l Aeronautics & Space Administration $225,000
   "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  
"The Origin, History and Distribution of Waters and Its Relations to the Life in the Universe"  
Meech, Karen J  
Institute for Astronomy  
This project will trace the history of water from its formation in the interstellar medium to incorporation in the solar system, how it reaches the terrestrial planets, and its role in life.

9. Nat'l Aeronautics & Space Administration  
"Mapping the Martian Impact Crater Tooting"  
Mouginis-Mark, Peter J  
Haw Inst Geophys & Planet  
We will produce a geologic map of a meteorite impact crater on the planet Mars, and publish this map with the assistance of the U.S. Geological Survey's Astrogeology Branch.

10. Nat'l Aeronautics & Space Administration  
"Constraints on the Origin of Primitive Chondrite Components from their Oxygen Isotope Compositions"  
Nagashima, Kazuhide  
Haw Inst Geophys & Planet  
In order to constrain the origin of primitive chondrite components, we propose to study oxygen isotopic compositions of several chondritic components.

11. Nat'l Aeronautics & Space Administration  
"Participation on the Cassini-Huygens Gas Chromatograph-Gas Spectrometer (GCMS) Team"  
Owen, Tobias  
Institute for Astronomy  
To study the data obtained from the successful descent of the Huygens probe into the atmosphere of Titan, especially the gas chromatograph spectrometer.

12. Nat'l Aeronautics & Space Administration  
"Meteorite and Dynamical Constraints on Planetary Accretion and the Impact History and Formation of Asteroids"  
Scott, Edward R  
Haw Inst Geophys & Planet  
Our objective is to elucidate the origin of asteroids and planets by relating the properties of meteorites to predictions from theoretical studies of planet formation.

13. Nat'l Aeronautics & Space Administration  
"Scalable Algorithms for Fast Analysis of Megapixel CMB Maps and Large Astronomical Databases"  
Szapudi, Istvan  
Institute for Astronomy  
We propose to develop a novel set of algorithms for spatial statistical analyses of present and future large astronomical data bases.

14. Nat'l Aeronautics & Space Administration  
"Sharing Discoveries in Cosmochemistry on the Internet"  
Taylor, G Jeffrey  
Haw Inst Geophys & Planet  
We proposed to continue to write and manage Planetary Research Discoveries, an online science magazine that highlights for the public discoveries made through research funded by the NASA Cosmochemistry Program.
15. Nat'l Aeronautics & Space Administration $3,992,900
   "The NASA Infrared Telescope Facility: Mission Support and Solar System Observations"
   Tokunaga, Alan Institute for Astronomy
   We propose to provide NASA with observations and research data aimed at providing support of spacecraft missions and basic research in support of the Planetary Astronomy program.

FROM: Hawaii- Government Agencies

1. DLNR-Division of Forestry & Wildlife $345,000
   "Natural Area Reserves Management"
   Duffy, David Botany
   Research and manage endangered species in their protected habitats in the state's natural area reserves.

2. DLNR-Division of Forestry & Wildlife $49,140
   "Survey and Collection of Propagules of 17 Critically Rare Plant Taxa in the Ko'olau Mountains Watershed Areas"
   Morden, Clifford W Botany
   Preserve and protect the most critically endangered plants in the Koolau watershed on Oahu by monitoring known populations of target species, surveying for additional populations, and identifying threats while implementing threat management.

3. DLNR-Division of Forestry & Wildlife $55,371
   "Forestry and Watershed Planner"
   Morden, Clifford W Botany
   Create a prioritized schedule of actions for forest reserves on Kauai and Maui, working closely with watershed planners on both islands.

4. Hawaii-Dept of Health $24,999
   "Water Quality Analysis in Hawaii, Laboratory Studies of Pollutant Loading"
   Babcock, Roger W Water Resource Research
   Support in developing statewide water pollution control and water quality management policy through the quantification and analysis of ambient water quality and pollutant loading in surface water.

5. Hawaii-Dept of Land & Natural Resources $65,000
   "APHIS/WS Avian Influenza Surveillance Implementation Plan"
   Duffy, David Botany
   Work collaboratively with multiple partners to sample bird populations for avian influenza.

6. Hawaii-Dept of Land & Natural Resources $143,138
   "Lana'i'hale Forest and Watershed Project - 2008"
   Duffy, David Botany
   Research and monitor endangered seabirds, focusing on habitat restoration in Lanaihale.
7. Hawaii-Dept of Land & Natural Resources
"Black Coral Density and Uncertain Taxonomy: What are the Implications for the Black Coral Fishery?"
Wiltshire, John C HURL - SOEST
These dives will allow resource manager to measure black coral species densities with a better understanding of species identification.

8. Hawaii-Dept of Land & Natural Resources
"Black Coral Density and Uncertain Taxonomy: What are the Implications for the Black Coral Fishery? Part II"
Wiltshire, John C HURL - SOEST
These dives will allow managers to measure black coral species densities with a better understanding of species identification.

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

1. Tri-Isle Resource Conservation & Development Council
"Maui Invasive Species Committee Coqui Frog Project"
Duffy, David Botany
Detect and eradicate coqui frog populations on Maui.

2. Tri-Isle Resource Conservation & Development Council
"East Maui Watershed Threat Abatement and Control"
Morden, Clifford W Botany
Continue adaptive watershed management focusing on threat abatement and control techniques.

FROM: Hawaii- Business and Other

1. Hawaii business and entrepreneur Acceleration
"Evaluation of Syractbins in TH-MYCN Neuroblastoma Tumor Model"
Bachmann, Andre S Cancer Research Center
Determine the efficacy of a novel proteasome inhibitor, syringolin A as well as related glidobactin A, and derivatives thereof (together called syrbactins) in a neuroblasotma tumor model (TH-MYCN mice).

FROM: Hawaii- Health Organizations

1. Queen's Medical Center
"Memorandum of Understanding between the QMC and UHM SONDH"
Inouye, Jillian Nursing
Develop strategies and plans for collaborative research activities, identify shared educational opportunities, support participation in identified committees at each organization, promote the appointment of QMC staff as non-compensated clinical faculty at UHM and promote ongoing communication to identify opportunities to expand future education and practice partnerships.
FROM: Mainland- Associations, Foundation, Soc, etc.
1. American Astronomical Society
   "Eruptive Variables and their Importance in Star Formation"
   Aspin, Colin
   Institute for Astronomy
   Research is focused on the role of eruptive variables in early formative stages in young stars. Funding is requested to support publishing papers on research results and purchasing equipment used in research.

FROM: Mainland- Business
1. Booz, Allen & Hamilton Inc
   "caBIG (Cancer Biomedical Informatics Grid) - Task Order #4"
   Wilkens, Lynne
   Cancer Research Center
   Vocabulary and Common Data Elements Workspace: evaluating and integrating systems for vocabulary and ontology content development, as well as software systems for content delivery; developing standards for the representation of ontologies and vocabularies, and assessments of existing systems for use within the caBIG; developing vocabulary and ontology content.

2. Booz, Allen & Hamilton Inc
   "caBIG (Cancer Biomedical Informatics Grid) - Base Agreement"
   Wilkens, Lynne
   Cancer Research Center
   The CRCH group will be working with the NCICB EVS group to add functionality to the NCI Thesaurus in Nutritional Epidemiology. The ultimate goal is to create a reservoir of information that has accepted terminology and links between dietary elements.

3. Concurrent Technologies Corporation
   "Hawaii Underwater Chemical Munitions Survey Plan"
   Syrmos, Vassilis L
   Vice Chancellor Research
   To survey the Hawaiian Waters for Chemical Munitions.

4. DiObex Inc.
   "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 or DIO-902 Placebo in addition to Metformin and Atorvastatin or Atrovastatin placebo in subjects with type 2 diabetes.

5. Health Research, Inc
   "Chemical Markers of Heterocyclic Aromatic Amines for Human Biomonitoring"
   Le Marchand, Loic
   Cancer Research Center
   Establish noninvasive chemical markers of heterocyclic aromatic amines (HAAs) to allow for an assessment of long-term HAA exposure through the diet to determine cancer risk.
FROM: Mainland- Other
1. Jet Propulsion Lab $42,900
   "Martian Bulk Composition and Crustal Evolution"
   Taylor, G Jeffrey Haw Inst Geophys & Planet
   Use data from the Mars Odyssey Gamma-Ray spectrometer to understand
   the geochemistry of Martian crust.

FROM: U.S. Universities and Colleges
1. Case Western Reserve University $74,875
   "Metabolic Consequences of Thymidine Sparing Regimens"
   Gerschenson, Mariana School of Medicine
   Perform laboratory assays on samples submitted by Case Western.
2. Cornell University $49,006
   "Stardust-NExT Project"
   Meech, Karen J Institute for Astronomy
   To define the rotation period of the comet to assess the observing strategy
   and to enable the determination of the appropriate strategies for targeting the
   impact crater on the flyby of comet 9P/Tempel 1.
3. Indiana University $48,924
   "Development of Isoform Specific Sensory Neuronal Sodium
   Channel Blockers"
   Bingham, Jon-Paul Molecular Biosciences &
   Solid-phase Peptide Synthesis of a spider toxin; work involves a total
   'alanine-walk' for structure activity determinants; quantification of peptide
   toxins for pharmacological analysis.
4. Univ of California- Berkeley $201,500
   "Collaborative Research with the SuperNova Integral Field
   Spectrograph (SNIFS) and the University of Hawaii 2.2 Meter
   Telescope"
   Aspin, Colin Institute for Astronomy
   To continue collaboration with the Nearby Supernova Factory and the
   University of California in providing telescope time for the SNIFS instrument to
   conduct supernova studies.
5. Univ of California- Davis $7,000
   "2008 Hawaii Food Use Field Research Center Support"
   Kawate, Michael K Plant & Environmental Protection
   For the purchase of an ultra-low temperature freezer for coffee projects.
6. Univ of Maryland $124,000
   "Alliance for Coastal Technology"
   Atkinson, Marlin J Haw Inst Marine Bio-SOEST
   Evaluate and test sensors for monitoring coastal environment.
7. University of Cincinnati  
"Food Intake and Obesity in Cloned Mice"  
Yamazaki, Yukiko  
Anatomy- MED  
The major goal of this project is to examine the food intake and obesity in mice cloned from adult somatic cells.

FROM: All Non-U.S.

1. APEC Climate Center (APCC)  
"Development of Long-Lead Coupled Model Prediction and ISO Prediction System"  
Wang, Bin  
Meteorology - SOEST  
Facilitate establishment of APCC one-tier seasonal prediction system and development of the capacity for Intraseasonal prediction.

2. University of Auckland  
"The Dynamics of Deep Marine Explosive Volcanic Eruptions: Insights from the Kermadec Arc"  
Houghton, Bruce  
Geology & Geophys - SOEST  
To quantify microtextures of pumice from selected eruptions from Kermadec volcanoes.

NON-RESEARCH AWARDS

FROM: Dept of Education

1. DOI-Haleakala National Park  
"Hawaii Preservation Field School, Hawaii Volcanoes National Park"  
Chapman, William R  
American Studies  
National Parks Service and UH American studies Historic Preservation Program will collaborate on a 4-week field school that will provide unique education opportunities for community, staff and students, and will aid the park in its historic resource inventory.

FROM: DOC-Dept of Commerce

1. DOC-Minority Business Development Agency  
"Honolulu Minority Business Enterprise Center"  
Rota, Michael T  
Office, VP Community Coll.  
The Minority Business Development Agency Award supports the Honolulu Minority Business Enterprise Center that will provide economic development and technical assistance work to minority business enterprises located in Hawaii.

FROM: DOD-Dept of Defense

1. DOD-Air Force Office of Scientific Research  
"The Panoramic Survey Telescope and Rapid Response System (Pan-STARRS)"  
Kaiser, Nick  
Institute for Astronomy  
Design and construction of the Panoramic Survey Telescope and Rapid Response System (Pan-STARRS).
2. DOD-Dept of Defense

"Memorandum of Agreement Regarding High Performance Communication Cooperation"

Lassner, David K  Info Technology Services
Provision of Trans-Pacific Network capacity between Hawaii and California for Defense Research and Engineering Network (DREN).

3. DOD-Naval Research Laboratory

"Supplement to: RV Kilo Moana Ship Operations and Technical Support Services"

Taylor, Brian  Sch Ocean,Earth Sci & Tec

FROM: ED-Dept of Education

1. ED-Dept of Education

"Center for Southeast Asian Studies National Resource Center - FLAS"

Andaya, Barbara W  South Asian Stud- SHAPS
Support for programs in Southeast Asian Studies campus wide including foreign language fellowships.

2. ED-Dept of Education

"National Resource Center for East Asian Studies at the University of Hawaii - FLAS"

Huey, Robert  Japanese Studies- SHAPS
Funding for new course development evaluation of East Asian Languages Program (including placement tests) outreach activities, library acquisitions, and graduate student fellowships in East Asian Studies at University of Hawaii.

FROM: National Science Foundation

1. National Science Foundation

"REU Site: Integrating the Study of Hawaiian Landscapes through Archaeology, Geography, Hawaiian Studies, and History"

Graves, Michael W  Anthropology
This project will provide an Integrative Research Experience for Undergraduates in archaeology, geography, Hawaiian Studies, and history, part of a program of research in North Kohala, Hawaii island. Research will focus on traditional Hawaiian settlements, subsistence/resources, and social organization and complexity. Students will combine intensive classroom/laboratory experiences learning GIS and database management with six weeks of archaeology field training, and produce an original research report.
2. National Science Foundation  $40,000
"University of Hawaii Partnership with the NSF I/U CRC for Telecommunications Systems"
Iskander, Magdy F  HCAC (HI Ctr for Advanced
This is a supplemental funding request for the I/U CRC Connection One Center for Telecommunications. The requested supplemental funding will be used to support the Research Experience for Teachers (RET) to expand the program to include four additional schools which are Waianae Intermediate, Nanakuli High/Intermediate, Stevenson Middle, and Kapaa Middle Schools.

3. National Science Foundation  $250,000
"Roots, Resilience, and Reach: Strengthening the STEM Infrastructure at Kapiolani Community College, University of Hawaii"
Richards, Leon  Kapiolani CC
To develop a Science, Technology, Engineering and Math (STEM) Pipeline of support services, faculty and curriculum development so that a growing number of Hawaiian and underrepresented students can successfully pursue STEM majors and careers.

FROM: Hawaii- Government Agencies

1. Hawaii-Dept of Health  $3,623
"Project Makana Nui: Making Activity Kind, Accessible, Nurturing & Active with Nutrition for You and I"
Maeda, Julienne  Kinesiology & Leisure Sci
Provide SPRK, CATCH, and nutrition training to Recreation Directors at 7 target Summer Fun sites.

2. Hawaii-Dept of Health  $48,000
"State of Hawaii Department of Health Memorandum of Agreement"
Qureshi, Kristine  School of Nursing
Contractor shall provide support services to establish and implement a framework for an active Medical Reserve Corps on each of the four counties in the State of Hawaii: Oahu, Hawaii, Maui, and Kauai.

3. Hawaii-Dept of Land & Natural Resources  $22,695
"Lanaihale Watershed: Outreach for Managing Biodiversity and Forest Integrity - 2008"
Duffy, David  Botany
Conduct public outreach and education to gain public understanding and support for conservation efforts on Lanaihale watershed.

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

1. Tri-Isle Resource Conservation & Development Council  $46,000
"Banana Bunchy Top Virus on Maui"
Duffy, David  Botany
Eradicate banana bunchy top virus in known infected areas on Maui while containing the spread.
2. Tri-Isle Resource Conservation & Development Council
   "Support for the Maui County Invasive Species Committee Project: FY 08"
   Duffy, David Botany
   Detect, control, and eradicate various alien invasive species on Maui.

FROM: Hawaii- Business and Other

1. Olelo Community Television
   "University of Hawaii - Supplemental Projects 2007"
   Okimoto, Hae K Info Technology Services
   Produce courses and programs for the public access channel, Oceanic 55.

FROM: Hawaii- Health Organizations

1. Kalihi-Palama Health Center
   "Improving Heart Health and Changing Lives in Filipino Communities Initiative"
   Leake, Anne R. Nursing
   Anne Leake will serve as Project Director at 15% FTE, responsible overall operation of this community-based project focused on cardiovascular disease prevention in the Filipino community on Oahu. She will provide clinical services for 10% FTE.

FROM: Mainland- Health Organizations

1. Gilead Foundation
   "SEARCH Regional HIV/AIDS Training"
   Shikuma, Cecilia M Medicine- MED
   Provide advanced HIV training in SE Asia, to physicians, nurses, laboratory technicians and peer educators who have basic HIV/AIDS knowledge and are caring for patients with HIV.

FROM: U.S. Universities and Colleges

1. Univ of California- Los Angeles
   "The Alliance for Inclusion Advancement"
   Stodden, Robert A Center on Disability Studies
   Over the 3 years period, CDS will establish 3 local inclusion network collaboration (LNC's) to build capacity of service programs and disability organizations to entice people with disabilities in service; facilitate 9 match-making meetings between national service programs and local disability organizations to place individuals with disabilities in service

FROM: All Non-U.S.

1. Guam Department of Public Health & Social Services
   "Pacific Regional Comprehensive Cancer Control Implementation Program (Subcontract from Guam DPHSS)"
   Palafox, Neal A Fam Prac & Comm Hlth- MED
   Implement the Pacific Regional Comprehensive Cancer Control Program in conjunction with the USAPI jurisdictions; develop a shared cancer resource for use by the jurisdictions; conduct relevant training for health providers; build capacity and policies relevant to cancer control.
2. University of Queensland  $15,000

"Global Environmental Facility PhD"

Gates, Ruth       Haw Inst Marine Bio-SOEST

Support the education of one developing country PhD student at UH, offset the running costs and participation of developing country students in training workshops at HIMB. Support travel costs for the PI to interact with the Bleaching Group embedded within the Global Coral Reef Targeted Research & Capacity Building Project.
## Funds Received from UH Foundation

### RESEARCH AWARDS

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

1. **Univ of Hawaii Foundation**
   - **"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.
   - **$5,000**

2. **Univ of Hawaii Foundation**
   - **"Cell and Molecular Biology Program"**
   - Humphreys, Tom D, Pacific Biosciences Research
   - Study of development and regeneration of neural structures of Ptychodera Flava.
   - **$20,000**

### NON-RESEARCH AWARDS

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

1. **Univ of Hawaii Foundation**
   - **"CCS Staff and Student Support"**
   - Chang, Rosita P., Chinese Studies- SHAPS
   - Funds to pay salary and fringe benefits for students and staff working on various projects of the Center for Chinese Studies.
   - **$10,000**

2. **Univ of Hawaii Foundation**
   - **"Lyon Arboretum Memorial Account"**
   - Dunn, Christopher, Lyon Arboretum
   - To support the repairs and maintenance of existing memorials located at the Lyon Arboretum and to work on new memorial projects as requested by donors.
   - **$5,000**

3. **Univ of Hawaii Foundation**
   - **"Sen Soshitsu Students'/Staff Support"**
   - Huey, Robert, Japanese Studies- SHAPS
   - To cover salary and fringe benefits - costs for students and staff support at the Center for Japanese Studies.
   - **$4,000**

4. **Univ of Hawaii Foundation**
   - **"P-20 Expenditures"**
   - Johnsrud, Linda, College of Education
   - To pay for salary and fringe cost for P-20 staff to provide event coordination support work and communicate with the partner organizations involved in the P-20 Initiative.
   - **$20,948**
5. Univ of Hawaii Foundation
   "Equipment for Ocean Science Facility"
   Karl, David M          Oceanography - SOEST
   To build a common vision for the field of Microbial Oceanography
   (C-MORE/Moore Foundation).

6. Univ of Hawaii Foundation
   "UHF MCC Development Fund Support for MCC General Laborer"
   Tamanaha, David S      Maui CC
   UHF MCC Development Funds to support 33% if the MCC General Laborer
   position (900184). This position to support campus beautification and
   preventative maintenance projects, campus-wide.
## EXTRAMURAL RESEARCH AWARDS

FOR THE MONTH OF APRIL 2008

DISTRIBUTION BY SPONSORS

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Attachment A-1, p.18
EXTRAMURAL NON-RESEARCH AWARDS
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### EXTRAMURAL RESEARCH AWARDS

**YEAR TO DATE: 7/01/2007 - 4/30/2008**

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# Extramural Non-Research Awards

**Year To Date:** 7/01/2007 - 4/30/2008

**Distribution By Sponsors**

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## Awards Received by University of Hawaii at Hilo

### RESEARCH AWARDS

**FROM: Department of Interior**

1. **Department of Interior, US Geological Survey**  
   "Seabird Monitoring"  
   $25,000  
   Sharon Ziegler Chong  
   UHH Aquaculture

2. **Department of Interior, US Geological Survey**  
   "Hawaiian Vegetation Mapping"  
   $30,000  
   Sharon Ziegler Chong  
   UHH Aquaculture

### NON-RESEARCH AWARDS

**FROM: National Science Foundation**

1. **National Science Foundation**  
   "PRISM"  
   $604,602  
   Donald Price  
   UHH Biology

**FROM: Department of Agriculture**

1. **Department of Agriculture**  
   "Development of Post Harvest Technology FY 2008"  
   $64,000  
   William Sakai  
   UHH Agriculture

**FROM: Nat'l Aeronautics and Space Administration**

1. **Nat'l Aeronautics and Space Administration, Kennedy Space Ctr**  
   "Lunar Analog Field Demonstration"  
   $101,500  
   Franklin Schowengerdt  
   UHH Physics & Astronomy
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<td>$ 14,000</td>
</tr>
<tr>
<td></td>
<td>&quot;Hawaiian Hoary Bat, State Support&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sharon Ziegler Chong</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UHH Aquaculture</td>
<td></td>
</tr>
<tr>
<td>AGENCY-UNIT</td>
<td>NO. OF AWARDS</td>
<td>AMOUNT</td>
</tr>
<tr>
<td>------------------------</td>
<td>---------------</td>
<td>----------</td>
</tr>
<tr>
<td>Department of Interior</td>
<td>2</td>
<td>$55,000</td>
</tr>
<tr>
<td>Total</td>
<td>2</td>
<td>$55,000</td>
</tr>
</tbody>
</table>
## UNIVERSITY OF HAWAII AT HILO SUMMARY

### EXTRAMURAL NON-RESEARCH AWARDS: APRIL 2008

#### 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>National Science Foundation</td>
<td>1</td>
<td>$604,602</td>
<td>61.4%</td>
</tr>
<tr>
<td>Department of Agriculture</td>
<td>1</td>
<td>$64,000</td>
<td>6.5%</td>
</tr>
<tr>
<td>Nat'l Aeronautics and Space Administration</td>
<td>2</td>
<td>$151,500</td>
<td>15.4%</td>
</tr>
<tr>
<td>Hawaii Government Agencies</td>
<td>3</td>
<td>$164,000</td>
<td>16.7%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>7</strong></td>
<td><strong>$984,102</strong></td>
<td><strong>100.0%</strong></td>
</tr>
</tbody>
</table>
## UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

### EXTRAMURAL RESEARCH AWARDS: JULY 2007 - APRIL 2008

#### 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-Department of Agriculture</td>
<td>9</td>
<td>$ 393,875</td>
<td>9%</td>
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<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>6</td>
<td>$ 1,712,286</td>
<td>41%</td>
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<tr>
<td>DOI-Department of Interior</td>
<td>29</td>
<td>$ 1,546,181</td>
<td>37%</td>
</tr>
<tr>
<td>DOJ-Department of Justice</td>
<td>1</td>
<td>$ 23,406</td>
<td>1%</td>
</tr>
<tr>
<td>NSF-National Science Foundation</td>
<td>2</td>
<td>$ 90,500</td>
<td>2%</td>
</tr>
<tr>
<td>NON-US Entities</td>
<td>1</td>
<td>$ 20,800</td>
<td>0%</td>
</tr>
<tr>
<td>Hawaii Government Agencies</td>
<td>7</td>
<td>$ 102,842</td>
<td>2%</td>
</tr>
<tr>
<td>Hawaii Business and Other</td>
<td>3</td>
<td>$ 105,123</td>
<td>3%</td>
</tr>
<tr>
<td>Hawaii Associations, Foundations &amp; Societies</td>
<td>1</td>
<td>$ 31,000</td>
<td>1%</td>
</tr>
<tr>
<td>US Colleges &amp; Universities</td>
<td>2</td>
<td>$ 135,466</td>
<td>3%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>61</strong></td>
<td><strong>$ 4,161,479</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

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Attachment A-1a, p.5
### UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

#### EXTRAMURAL NON-RESEARCH AWARDS: JULY 2007 - APRIL 2008

#### 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-Department of Agriculture</td>
<td>2</td>
<td>$75,500</td>
<td>0.9%</td>
</tr>
<tr>
<td>ED-Department of Education</td>
<td>8</td>
<td>$3,812,578</td>
<td>43.7%</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>2</td>
<td>$386,382</td>
<td>4.4%</td>
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<tr>
<td>Dept of State</td>
<td>1</td>
<td>$6,300</td>
<td>0.1%</td>
</tr>
<tr>
<td>NSF-National Science Foundation</td>
<td>4</td>
<td>$1,628,670</td>
<td>18.7%</td>
</tr>
<tr>
<td>NASA-Nat'l Aeronautics &amp; Space Admin</td>
<td>2</td>
<td>$151,500</td>
<td>1.7%</td>
</tr>
<tr>
<td>Mainland Other</td>
<td>1</td>
<td>$6,720</td>
<td>0.1%</td>
</tr>
<tr>
<td>Mainland Associations, Foundations &amp; Societies</td>
<td>1</td>
<td>$150,000</td>
<td>1.7%</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
<td>2</td>
<td>$163,513</td>
<td>1.9%</td>
</tr>
<tr>
<td>Other Colleges and Universities</td>
<td>1</td>
<td>$35,711</td>
<td>0.4%</td>
</tr>
<tr>
<td>Hawaii Government Agencies</td>
<td>13</td>
<td>$746,000</td>
<td>8.6%</td>
</tr>
<tr>
<td>Hawaii Business &amp; Other</td>
<td>4</td>
<td>$1,275,790</td>
<td>14.6%</td>
</tr>
<tr>
<td>Hawaii Associations, Foundations &amp; Societies</td>
<td>3</td>
<td>$276,307</td>
<td>3.2%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>44</strong></td>
<td><strong>$8,714,971</strong></td>
<td><strong>100%</strong></td>
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</tbody>
</table>
**Gifts, Grants, and Contracts**

The following gifts, grants and contracts received by all campuses except the University of Hawai'i at Hilo during the period May 1, 2008 through May 31, 2008 total $$ 18,067,297. The University of Hawai'i at Hilo received a total of $$448,145 during the same period.

**Gifts, Grants and Contracts Received  May 1 - 31, 2008**

### RESEARCH AWARDS

**FROM: Dept of Education**

<table>
<thead>
<tr>
<th>FROM:</th>
<th>Award Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOI-Fish &amp; Wildlife</td>
<td>$11,750</td>
<td>&quot;Mapping Non-native/Invasive Plants on Midway Atoll NWR (Eastern Island, Sand Island, and Spit Island) for Early Detection and Rapid Response&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duffy, David Botany Conduct a follow-up weed survey of potentially invasive plants by using previously surveyed areas on Midway Atoll.</td>
</tr>
<tr>
<td>DOI-Natl Park Service</td>
<td>$75,742</td>
<td>&quot;Identification of Ancient and Historic Trails in the Ala Kahakai Corridor in Kohala, Kona and Kau, Island of Hawaii&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Minerbi, Luciano Urban &amp; Regional Planning Identification of ancient and historic trails in the Ala Kahakai Corridor in Kohala, Kona and Kau, Island of Hawaii.</td>
</tr>
</tbody>
</table>

**FROM: DHHS-Dept of Health & Human Services**

<table>
<thead>
<tr>
<th>FROM:</th>
<th>Award Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Institutes of Health</td>
<td>$259,832</td>
<td>&quot;CRF-Norepinephrine Interactions in Stress and Depression&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dunn, Adrian Pacific Biosciences Research The goal of this project is to examine the interactions between the brain neurons containing norepinephrine (NE) and corticotropin-releasing factor (CRF) in mice and rats under conditions of chronic stress to provide insight into the mechanisms involved in anxiety disorders and depression.</td>
</tr>
<tr>
<td>National Institutes of Health</td>
<td>$240,557</td>
<td>&quot;TRPV Pharmacophores from Cnidarian Venom&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Yanagihara, Angel A Pacific Biosciences Research Cnidarian venom fractions will be screened for Transient Receptor Potential (TRP) vanilloid receptor related class channel activity (TRPV1 and TRPV2). Active compounds will be isolated and then chemically and pharmacologically characterized.</td>
</tr>
<tr>
<td>NIH-Natl Inst of Mental Health (NIMH)</td>
<td>$69,200</td>
<td>&quot;Neurologic Predictors of Schizophrenia&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Schiffman, Jason Psychology Propose to analyze existing data that might be useful in the prediction of psychopathology. (This is for Progress Report 1.)</td>
</tr>
</tbody>
</table>
4. NIH-Natl Inst of Nursing Research  
"A Culturally Relevant Risk Reduction Intervention with Native Hawaiian Mothers"  
Dodgson, Joan E.  
Nursing  
A Hawaiian cultural model applied within a community-based participatory research paradigm will be integrated in this research. The intervention incorporates the existing evidence-base on perinatal risk reduction through home visiting, social support and lactation management framed within a Native Hawaiian cultural context. A 2-group quasi-experimental design is used.

FROM: DOC-Dept of Commerce

1. DOC-National Oceanic & Atmospheric Administration  
"Developing the Hawaii-Pacific Ocean Observing and Information System"  
Taylor, Brian  
Sch Ocean, Earth Sci & Tec  
Year 2 of 3, continuing development of ocean observing system of Oahu.

2. NOAA-National Ocean Service (NOS)  
"Supplement to Project Award Number: NA05NOS4261173 Integrated Coral Ecosystem Mapping and Monitoring of U.S. Pacific Reefs"  
Jokiel, Paul L  
Haw Inst Marine Bio-SOEST  
Conduct fieldwork and subsequent lab analyses of NOAA benthic habitat maps in the Pacific, build on previous fish-habitat utilization work, assist with previously approved fish-habitat utilization assessment and monitoring projects in the Main Hawaiian Islands and US Pacific territories using the new NOAA benthic habitat maps.

FROM: DOD-Dept of Defense

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

6. DOD-Dept of Air Force  
"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.  

7. DOD-Dept of Army  
"Ecosystem Management Research Projects at Various Training Areas, USAG-HI"  
Duffy, David  
Botany  
Cooperate with US Army environmental division on conservation biology projects to benefit protected native species on Army land.  

8. DOD-Dept of Navy  
"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.  

FROM: DOE-Dept of Energy  

1. DOE-Dept of Energy  
"Characterization of Microwave Continuum Emission from Ultra-High Energy Cosmic Ray Extensive Air Showers, A Proposed Augmentation to Pierre Auger"  
Gorham, Peter W  
Physics & Astronomy  
Expand investigations of the feasibility of other channels for Extensive Air Showers (EAS) observations.  

2. DOE-Dept of Energy  
"Research in High Energy Physics: Technical Progress Report & FY08 Budget Request"  
Olsen, Stephen L  
Physics & Astronomy  
Primary purpose of this research is the understanding of the properties of the elementary constituents of matter and the nature of the fundamental forces between them.
FROM: National Science Foundation

1. National Science Foundation
   "Integrated Studies of Eruption Processes in Basaltic and Andesitic Volcanoes"
   Garces, Milton  
   Haw Inst Geophys & Planet
   The proposed work seeks to use sound waves in conjunction with other established technologies at Kilauea and Mount St. Helens volcanoes to identify and characterize different eruption processes, recognize changes in lava composition, mass flux, or magma conduct geometry, and refine or develop models of the observed eruption processes.

2. National Science Foundation
   "A Comprehensive Survey of Endosymbiotic and Free-living Symbiodinium Diversity in the Corals and Reef Environments of Hawaii"
   Gates, Ruth  
   Haw Inst Marine Bio-SOEST
   Molecular analyses will be used to comprehensively survey the diversity and abundance of Symbiodinium spp. in corals, sediments and seawater samples collected across coral reefs. These data will detail the pool of symbionts available to corals and provide insight into the potential for recovery from episodic bleaching events for the reefs of Hawaii.

3. National Science Foundation
   "Dissertation Improvement Grant: Defensive Strategies and Resources in the Prehistory of the Society Islands: A Case Study from Moorea"
   Graves, Michael W  
   Anthropology
   This research will study the relations between food production practices and other resources, the location of settlements, and the development of defensive strategies during the late prehistory and early history on the island of Moorea in the Society Islands. The study will employ environmental, archaeological, documentary, and traditional historical data.

4. National Science Foundation
   "Collaborative Research: Explosive Volcanism: Further Perspectives on Controls on Style and Dynamic of the 79AD Plinian Eruption at Vesuvius"
   Gurioli, Lucia  
   Geology & Geophys - SOEST
   We propose to understand the eruption conditions that lead to generation of PDCs during magmatic and phreatomagmatic phases of the eruption using a combination of petrologic and texture data, and constrain the history of melt ascent, degassing and microlite crystallization using a series of decompression experiments on the 79AD products.

5. National Science Foundation
   "Collaborative Research: Eclipse Observations of Heavy Ions, Neutrals and Dust Grains in the Solar Corona"
   Habbal, Shadia  
   Institute for Astronomy
   Observations of the total solar eclipses in 2008, 2009, and 2010 will study the coronal magnetic field and the underlying physical processes shaping the solar corona. The resulting data should provide powerful diagnostic tools for exploring the physics of the corona and the acceleration region of the solar wind.
6. National Science Foundation  
"Collaborative Research: Energy-efficient Communication with Optimized ECC Decoders: Connecting Algorithms and Implementations"  
Kavcic, Aleksandar  
Electrical Engineering  
System-level optimization of power-constrained communication links such as back-planes of internet routers or wireless sensor nodes.  

7. National Science Foundation  
"GOALI: Wireless Life Monitoring Transponders"  
Lubecke, Victor  
Electrical Engineering  
We propose to explore wireless transponders to enhance Doppler radar sensing, by creating multi-static radar systems and by tagging subjects for identification and additional monitoring functions.  

8. National Science Foundation  
"NSF Visitor and Observing Support for the NASA Infrared Telescope Facility"  
Tokunaga, Alan  
Institute for Astronomy  
Funding is requested to cover the NSF portion of observing support at the NASA Infrared Telescope Facility.  

9. National Science Foundation  
"Paleogenetics of Pleistocene Deep-Water Corals from the Mediterranean Sea: The Rise and Fall of Coral Populations within the Basin"  
Waller, Rhian  
Sch Ocean,Earth Sci & Tec  
This project examines processes controlling deep-water coral dispersal through time in the Mediterranean Sea, an area where many biogeographical barriers to gene flow impede the entrance and settlement of larvae over time.  

FROM: Nat'l Aeronautics & Space Administration  

1. Nat'l Aeronautics & Space Administration  
"Geodynamic Behavior of an Active Eruptive Vent from GPS, Tilt, Gravity, and INSAR: A Unique Opportunity to Integrate Research and Education Using..."  
Brooks, Benjamin  
Haw Inst Geophys & Planet  
Install various geodetic instruments on Kilauea volcano.  

2. Nat'l Aeronautics & Space Administration  
"Integrating MESSENGER Data to Investigate the Origin of Mercury's Intercrater and Smooth Plains Deposits"  
Gillis-Davis, Jeffrey  
Haw Inst Geophys & Planet  
The proposed work will investigate the origin of Mercury's Smooth plains and intercrater plains using data from the Mercury Surface, Space Environment, Geochemistry, and ranging (MESSENGER) mission. The main tasks of the proposal include; create a prioritized list of geologic targets, and integrate X-ray, gamma-ray, neutron, and spectral data to map these two units.
3. Nat'l Aeronautics & Space Administration

"Properties of Jovian Trojans"
Jewitt, David C  Institute for Astronomy
This is an exploratory program focused on understanding the Jovian Trojan asteroids. These objects hold newly recognized significance in the Solar System, as products of capture in association with planet formation or soon after. Properties of the Trojans, like those of the comets, may relate to the earliest accessible times and processes.

FROM: Hawaii- Government Agencies

1. City and County of Honolulu

"Beach Hazard Website"
Fletcher, Charles H  Geology & Geophys - SOEST
Manage the progress of the beach hazard website and its continued expansion.

2. DBEDT-Energy, Resources & Technology Div

"Wind Energy Education and anemometer Loan Program"
Foreman, Cynthia  Maui CC
Incorporate wind energy education and demonstration activities into the Sustainable Contruction Technology Program. Design and implement an anemometer loan program, and gather wind energy data under the program. Make data and reports available to the general public via the internet. Provide quarterly reports for State approval.

3. Hawaii-Civil Defense Division

"Hawaii County All-Hazard Assessment of Critical Facilities"
Robertson, Ian N  Civil and Environmental
This project will conduct an all-hazards Rapid Visual Screening of all critical facilities in Hawaii County, and Perform HAZUS Multi-hazard loss estimation analysis to identify high-risk facilities. Two facilities will be selected for more detailed analysis and development of retrofit schemes to reduce potential damage to these structures during future natural disasters.

4. Hawaii-Dept of Agriculture

"The Evaluation of Native Hawaiian Plants as New Cover Crop Selections in Local Organic Vegetable Production"
Leary, James  College of Tropical Ag & Human
This is a new proposal that seeks to identify novel uses of native plant species for utilization in local Hawaiian agriculture. This one-year project will characterize the agronomic attributes of four native plant species as new cover crop selections in Hawaii.

5. Hawaii-Dept of Agriculture

"Assessment of the Aquaculture Potential of Native Hawaiian Lobsters and Shrimp as Sustainable Co-culture Crops in Commercial Fish Cages"
Malecha, Spencer R  Human Nutrition, Food & Animal
This project seeks to establish design criteria for diversifying the Hawaiian open ocean sea cage industry-which currently uses only a monocultured fish crop-with "co-cultured" second crops of high market-value, but previously unexploited, native Hawaiian lobsters and shrimp.
6. Hawaii-Dept of Agriculture
"Ensuring Sustainability of Taro for Future Generations"
Miyasaka, Susan C Tropical Plant & Soil Science
Taro leaf blight (TLB) causes losses of corm yields in Hawaii of up to 50%. In this project, we are proposed to develop conventional hybrids of taro with increased TLB resistance while maintaining desirable qualities similar to commercial taro varieties. In addition, we start developing genetic markers associated with disease resistance genes in taro to accelerate conventional breeding. Finally, we will educate growers and consumers about conventional breeding of taro and marker-assisted selection.

7. Hawaii-Dept of Agriculture
"A Low Cost Individual-Farm Quarantine and Small Scale Production System for Marine Shrimp and Other Products"
Szyper, James P Sea Grant - SOEST
Laboratory scale experiments and field trials will investigate and develop a low cost holding and culture system for marine shrimp.

8. Hawaii-Dept of Agriculture
"Developing Management Strategies for a Newly Found Plant-Parasitic Nematode, Helicotylenchus multicinctus, Damaging Banana Plantings in Hawaii"
Wang, Koon-Hui Plant & Environmental Protection
Various treatments for banana suckers to obtain planting materials free of spiral nematodes.

9. Hawaii-Dept of Agriculture
"Testing the Potential Gene Flow from Genetically Engineered crops to Native Species in the Hawaiian Islands"
Wieczorek, Anna Tropical Plant & Soil Science
This project will examine the potential for cross pollination between sunflower and indigenous Compositae; commercial and endemic cotton species; and potato and endemic Solanum species in Hawaii.

10. Hawaii-Dept of Health
"Hawaii Health Workforce Assessment & Plan"
Withy, Kelley Complementary & Alternative
Develop a statewide assessment of health workforce supply and demand database and plan.

11. Hawaii-Dept of Land & Natural Resources
"Detection and Control of Invasive Species on O'ahu"
Duffy, David Botany
Identify newly introduced plants, assess new introductions for risk, and conduct surveys and control on invasive plants before they can become pests.
12. Hawaii-Dept of Land & Natural Resources $4,900  
"Developing Barcode Tools for Early Detection of Marine Invasive Species"  
Toonen, Robert Haw Inst Marine Bio-SOEST  
Taxon selection and probe development for proof-of-concept on developing a taxonomic DNA chip for the early detection of invasive specie entering Hawaii via maritime vessel traffic.

13. Hawaii-Dept of Transportation $237,348  
"Structural Health Monitoring and Reliability Analysis of Highway Bridges Using Smart Sensor Technology"  
Ma, Tianwei Civil and Environmental  
To instrument selected highway bridges with sensors to monitor the bridge performance and to analysis the reliability of the bridges.

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

1. Hawaiian Silversword Foundation $170,000  
"Conservation Work at Keauhou/Kilauea and North Kona"  
Duffy, David Botany  
Continue forest restoration research and management at Keauhou Ranch, Kilauea Forest, and north Kona on the island of Hawaii.

FROM: Hawaii- Health Organizations

1. Hawaii Medical Service Association $252,526  
"Fifth Statement of Work: Expansion and Evaluation of Fun 5"  
Nigg, Claudio Office of Public Health Studies  
To continue (for the 5th year) implementing and evaluating Fun 5 - a physical activity and nutrition program for elementary afterschool programs in Hawaii.

2. Kuakini Medical Cntr $8,381  
"Epidemiology of Aging and Dementia Autopsy Research"  
Uyehara-Lock, Jane Pathology- MED  
To provide pathology services and analysis of autopsy results as part of the ongoing Honolulu Asia Aging Study. This award is a subcontract from Kuakini Medical Center to the University of Hawaii.

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

1. Cades Fund $33,333  
"Support of Bioscience Research and Training at the Bekesy Laboratory"  
Hartline, Daniel K Pacific Biosciences Research  
Molecular-genetic and electrophysiological techniques will be applied to model cells in culture. The objective will be to determine how genetic defects associated with diabetes, Alzheimer's and Parkinson's alter the functions of membrane channels regulating calcium and magnesium in critical cells causing them to be dysfunctional or die.
<table>
<thead>
<tr>
<th>FROM: Mainland- Business</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ChemImage Corporation</td>
<td>$60,280</td>
</tr>
<tr>
<td>&quot;Stand-Off Raman Sensor (Subcontract)&quot;</td>
<td></td>
</tr>
<tr>
<td>Sharma, Shiv K</td>
<td>Haw Inst Geophys &amp; Planet</td>
</tr>
<tr>
<td>This proposal seeks support for collaborating with Chem Image Corporation, Pittsburgh, PA for developing Stand-Off UV Raman technique for detecting explosives.</td>
<td></td>
</tr>
<tr>
<td>2. Tibotec</td>
<td>$36,188</td>
</tr>
<tr>
<td>&quot;TMC114-TiDP31-C229: A Randomized, Open Label Trial to Compare the Efficacy, Safety and Tolerability of DRV/rtv (800/100mg) Q.D. Versus DRV/rtv (600/10&quot;</td>
<td></td>
</tr>
<tr>
<td>Shikuma, Cecilia M</td>
<td>Medicine- MED</td>
</tr>
<tr>
<td>To test experimental HIV drug therapy on human subjects.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FROM: Mainland- Other</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Alaska SeaLife Center</td>
<td>$56,034</td>
</tr>
<tr>
<td>&quot;Acoustic Monitoring of Beluga Population in Cook Inlet, Alaska&quot;</td>
<td></td>
</tr>
<tr>
<td>Au, Whitlow</td>
<td>Haw Inst Marine Bio-SOEST</td>
</tr>
<tr>
<td>Use EAR (ecological acoustic recorders) to monitor the population of beluga whale that inhabit Cook Inlet in Alaska.</td>
<td></td>
</tr>
<tr>
<td>2. Jet Propulsion Lab</td>
<td>$85,000</td>
</tr>
<tr>
<td>&quot;Sea Level Trends and Fluctuations: Corrections for Land Motion&quot;</td>
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</tr>
<tr>
<td>Merrifield, Mark A</td>
<td>Oceanography - SOEST</td>
</tr>
<tr>
<td>Provide in situ sea level measurements corrected for vertical land motion, which are used to monitor temporal drifts in satellite observation.</td>
<td></td>
</tr>
<tr>
<td>3. Jet Propulsion Lab</td>
<td>$40,000</td>
</tr>
<tr>
<td>&quot;Sea Level Trends and Fluctuations: Corrections for Land Motion&quot;</td>
<td></td>
</tr>
<tr>
<td>Merrifield, Mark A</td>
<td>Oceanography - SOEST</td>
</tr>
<tr>
<td>Provide in situ sea level measurements corrected for vertical land motion, which are used to monitor temporal drifts in satellite observation.</td>
<td></td>
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<tr>
<td>4. Jet Propulsion Lab</td>
<td>$2,630</td>
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<tr>
<td>&quot;Orographically Induced Ocean-Atmosphere Interaction: Satellite Observations and Numerical Modeling&quot;</td>
<td></td>
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<tr>
<td>Xie, Shang-Ping</td>
<td>Meteorology - SOEST</td>
</tr>
<tr>
<td>Conduct analysis of observations by the QuikSCAT and other NASA satellite observations for a better description and understanding of ocean-atmosphere interaction and climate.</td>
<td></td>
</tr>
<tr>
<td>5. Woods Hole Oceanographic Inst</td>
<td>$53,394</td>
</tr>
<tr>
<td>&quot;Collaborative Research: Stepping Stones Across the Atlantic: Co-Evolution and Dispersal of Deep Water Corals and their waller, Rhian</td>
<td>Sch Ocean,Earth Sci &amp; Tec</td>
</tr>
<tr>
<td>Investigating the phylogenetics and co-evolution of deep-water corals and their associates.</td>
<td></td>
</tr>
</tbody>
</table>
FROM: U.S. Universities and Colleges

1. Colorado School of Mines
   "Renewable Bio-solar Hydrogen Production from Robust Oxygenic Phototrophs"
   Bidigare, Robert R   Haw Inst Marine Bio-SOEST
   To perform studies that will produce new methods for optimizing the yield of photosynthetic H2 and will identify new wild strains and engineer new hybrid strains of photosynthetic microorganisms capable of more efficient and more economical H2 production as a renewable fuel source derived from water.

2. Naval Postgraduate School
   "Quantifying the Effects of Vortical Hot Towers and Vortex Rossby Waves on Tropical Cyclone Intensification"
   Li, Tim   Meteorology - SOEST
   Quantifying the Effects of vortical hot towers and vortex Rossby waves on tropical cyclone intensification by using an axisymmetric model and a three-dimensional model.

3. Scripps Inst of Oceanography
   "Taxonomically Diversified Global Census of Coral Reef"
   Schroeder, Thomas A   JIMAR - SOEST
   The Hawaii node plans to work with scientists and experts around the world to improve global understanding of the biological diversity of coral reef ecosystems by developing new protocols for measuring indices of biodiversity, collaborating in field sampling efforts involving understudied species, populating biodiversity databases, and conducting outreach and education.

4. Univ of Arizona
   "ASIC Development Testing for the James Webb Space Telescope"
   Hall, Donald N B   Institute for Astronomy
   To continue the performance of application specific integrated circuit development testing for space telescopes.

5. Univ of California- Los Angeles
   "Subgrant from, "CAREER: The Coordination of Leaf Hydraulics, Structure and Gas Exchange"
   Ranker, T A   Botany
   These funds are to create research assistantships for undergraduate students to work on projects in the Botany Department for the summer. The students will work on in research, education and outreach, and develop skills and perform research on the native Hawaiian flora.

6. Univ of California- San Diego
   "Dynamic Balance of the Oceanic Mixed Layer Observed by In situ Measurements and Remote Sensing"
   Maximenko, Nikolai   Oceanography - SOEST
   Simplest form of dynamic balance in the mixed layer will be validated using in situ and remote data and used to compute mean sea level and surface circulation and to enhance existing techniques of data processing and calibration.
7. Univ of California- San Diego  
"Dynamic Balance of the Oceanic Mixed Layer Observed by In situ Measurements and Remote Sensing"  
Maximenko, Nikolai  
Oceanography - SOEST  
Simplest form of dynamic balance in the mixed layer will be validated using in situ and remote data and used to compute mean sea level and surface circulation and to enhance existing techniques of data processing and calibration.

8. Univ of California- San Diego  
"Pacific Islands Land-Ocean Typhoon (PILOT) Experiment: Coastal Run-up and Fringing Reefs"  
Merrifield, Mark A  
Oceanography - SOEST  
Field observations of shoaling surface gravity waves, sea level, and nearshore currents over fringing reefs will be made to estimate the coastal-run that occurs during energetic, storm-generated wave events. The results will be compared to numerical models and used for emergency management purposes.

9. Univ of California- Santa Barbara  
"Moorea Coral Reef Longterm Ecological Research: Subrecipient"  
Gates, Ruth  
Haw Inst Marine Bio-SOEST  
Postdoctoral trainee will further his training by using PCR-amplification, cloning and sequencing of 41 coral species samples collected previously at Moorea.

10. Univ of California- Santa Barbara  
"Public Domain ADMB Project"  
Sibert, John R  
JIMAR - SOEST  
To develop the protocols for maintaining, testing and distributing AD Model Builder (ADMB) software across multiple hardware platforms, operating systems and compilers.

11. Univ of California- Santa Cruz  
"Partnership for Interdisciplinary Studies of the Coastal Ocean (PISCO)"  
McManus, Margaret Anne  
Oceanography - SOEST  
The object of this activity is to bring specialists together across disciplines; analyze subtidal, intertidal, and oceanographic findings collectively; and develop a more synthetic view of the processes that occur in coastal waters. Our ultimate aim is to move toward a capability for forecasting the effects of climate change on the ecology of coastal waters.

12. Univ of California- Santa Cruz  
"The Roms Ias Data Assimilation and Prediction System: Quantifying Uncertainty"  
Powell, Brian  
Oceanography - SOEST  
Refine ocean model data assimilation algorithms to determine how observations assist the model, determine the final error of the model, and how to combine different models for more accurate estimations of the ocean.
13. Univ of Southern California  
"The Deep Subsurface Biosphere at North Pond: A Mid-Atlantic Ridge Microbial Observatory"  
Cowen, James P  
Oceanography - SOEST  
Design and fabrication of seafloor instrumentation for sampling deep basement fluids via borehole observatory at North Pond Atlantic Ocean.

14. Univ of Southern California  
"North Pond Deep Subseafloor Microbial Biosphere - Phase II"  
Glazer, Brian  
Oceanography - SOEST  
Acquiring voltammetric measurements from drilling two boreholes along the North Pond Deep Subseafloor which will provide environmental context of microbiological analyses.

15. Vanderbilt University  
"Urinary Phytoestrogens and Heart Disease Risk in Chinese"  
Franke, Adrian A  
Cancer Research Center  
To measure urinary isoflavonoids and creatine in human urine.

FROM: All Non-U.S.

1. UNESCO- United Nations  
"The IOC Coordinated Indian Ocean Tsunami Warning System: Upgrade of Sea Level Stations in the Indian Ocean"  
Merrifield, Mark A  
JIMAR - SOEST  
To install, upgrade, and maintain multiple-use tide gauge stations in the Indian Ocean for tsunami and sea level monitoring.

2. World Health Organization- United Nations  
"Software to Calculate the Level of Food Fortification with Micronutrient"  
Murphy, Suzanne P  
Cancer Research Center  
Development of written specifications for programs to be included on a multi-purpose nutrient intake assessment CD, a user's manual, and hypothetical fortification exercise.

FROM: Miscellaneous

1. Center for Tropical and Subtropical Aquaculture (CTSA)  
"Kahala Parasites and Shrimp Viruses of Concern to Pacific Aquaculture"  
Lewis, Teresa  
Haw Inst Marine Bio-SOEST  
Project objectives include testing the possibility of vaccine development against a fluke parasite that affects cage cultured kahala, development of additional fluke management strategies for cage culture, and surveillance of planktonic crustaceans/copepods for shrimp viruses of economic significance to Pacific shrimp aquaculture.
NON-RESEARCH AWARDS

FROM: DHHS-Dept of Health & Human Services

1. DHHS-Dept of Health & Human Services $47,444
   "Hawaii Medical Student Aging Research Training Center"
   Masaki, Kamal H         Geriatrics-MED
   Establishment of medical student aging research training center. Designed to achieve the goals of providing short term research, clinical & didactic experiences, and to expose students to career opportunities in aging related research & academic Geriatrics.

2. DHHS-Dept of Health & Human Services $225,704
   "Dual MS/MBA for Nurse Administrators"
   Williams, Paulette      Nursing
   To strengthen the UHM SONDH's masters' degree program in nursing administration by partnering with the UHM College of Business to develop, implement, and evaluate a dual master program in nursing and business administration so that students will be able to obtain both degrees in three years.

3. NIH-Natl Cancer Institute (NCI) $486,108
   "Cancer Information Service"
   Vogel, Carl-Wilhelm     Cancer Research Center
   The National Cancer Institute’s cancer Information Service is a national resource for information and education about cancer, providing the latest and most accurate cancer information to patients and their families, the public, and health professionals. Hawai'i's Partnership Program focuses on Native Hawaiians and other medically underserved populations in the US Pacific.

4. PHS-Health Resources and Services Admin (HRSA) $342,336
   "Implementation of a New Adult Health Clinical Nurse Specialist Program Using Electronic Distance Learning Technology"
   Conde, Francisco         Nursing
   The implementation of an adult Clinical Nurse Specialist program via electronic distance learning methodologies, such as video teleconference and Sakai online learning system, will allow nurses who are unable to access classes in traditional on-campus setting to acquire the necessary advanced nursing knowledge and skills to become clinical nurse specialists.

5. PHS-Health Resources and Services Admin (HRSA) $294,770
   "Online PhD Program for Rural Underserved Communities"
   LeVasseur, Sandra        Nursing
   The purpose of the continuation project is to complete the implementation and evaluation of the Online PhD program in nursing. Over the next three years the program will develop culturally sensitive recruitment strategies to expand access to AAPI students, upgrade to a blended IT communication model using synchronous software, and build a virtual research community.
FROM: DOC-Dept of Commerce

1. DOC-National Oceanic & Atmospheric Administration $99,998
   "Human Impacts and Hawaii's Coral Reef Health: An Environmental Science Education, Stewardship and Research Program for Teachers in Hawaii"
   Krupp, David A Haw Inst Marine Bio-SOEST
   Ten Hawaii high school teachers will receive training (lectures, lab sessions, and field exercises) in environmental and earth science using the Kaneohe Bay watershed and coral reef ecosystem as the primary study site.

FROM: DOD-Dept of Defense

1. DOD-Naval Research Laboratory $10,000
   "Supplement to: R/V KILO MOANA Ship Operations and Technical Support Services"
   Taylor, Brian Sch Ocean,Earth Sci & Tec
   Rental of Klaus Wyrtki R/V from University of Hawaii Center for Dipole Moment Tests Associated with the Office of Naval Research 3MDS Project.

FROM: ED-Dept of Education

1. ED-Dept of Education $88,966
   "Fulbright-Hays Doctoral Dissertation Abroad"
   Garrod, Peter V Graduate Division
   Conduct research outside the United States in the field of modern foreign language and area studies (study of the aspects of a society or societies, including study of their geography, history, culture, economy, politics, international relations).

2. ED-Dept of Education $250,000
   "Windward Community College Upward Bound Program"
   Gillis-Davis, Lisa Windward CC
   Windward Upward Bound will provide opportunities for 50 low-income/first generation college potential public school students to receive academic support, career guidance, college planning, and summer residential college experience.

3. ED-Dept of Education $800
   "Upward Bound"
   Hoshino, Sandy Leeward CC

4. ED-Dept of Education $463,896
   "Leeward Community College - Regular Upward Bound:
   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.
5. ED-Dept of Education

"Project Manawa Kupono (Opportunity): Preparing Educators to Improve Outcomes for Students with Autism"

Wells, Jenny Special Education

This four-year project will recruit & prepare 30 M.Ed. trainees (2 cohorts of 15) to be special education teachers for students with autism. Program graduates will be eligible for special education licensure in Hawaii.

FROM: National Science Foundation

1. National Science Foundation

"A Multidisciplinary Approach to Species Boundaries in Tropical Reef Corals"

Carlon, David Zoology

Tropical coral reefs are the most diverse marine environments, yet we have a poor understanding of the ecological and evolutionary process that generate new species of hard corals. This proposal will examine a set of recently diverged incipient coral species in the Caribbean Sea using techniques of experimental ecology, molecular ecology, and paleontology.

2. National Science Foundation

"Computer & Electronics System Development"

Yun, David Electrical Engineering

The funds will be used for salary during the Spring 2008 and Summer 2008 semester.

FROM: Nat'l Aeronautics & Space Administration

1. Nat'l Aeronautics & Space Administration

"Search for Ultra High Energy Astrophysical Neutrinos with the ANITA Experiment - NESSF - A. Romero-Wolf"

Gorham, Peter W Physics & Astronomy

Participation as principal graduate student from UH in balloon-borne Antarctic Impulsive Transient Antenna (ANITA) investigation, which seeks to observe astrophysical neutrinos with energies above 10**18eV.

2. Nat'l Aeronautics & Space Administration

"Ninth Planetary Volcanology Workshop: Analogs to Martian Volcanic Features in High Spatial-Resolution Data"

Rowland, Scott K Oceanography - SOEST

Organize and run a 7-day volcanology workshop on Hawaii for graduate students who are studying volcanoes on other planets (specifically Mars).

FROM: Nat'l Endowment for the Arts

1. Nat'l Endowment for the Arts

"Manoa: A Pacific Journal of International Writing"

Stewart, R Frank English

Publication of two book-sized issues of an international literary journal.
FROM: Hawaii- Government Agencies

1. Hawaii-Dept of Education
   "Teacher Training through Hands-On and Excursion-Based Activities in Aerospace Science: A Mathematics and Science Partnership between the Windward Dis"
   Ciotti, Joseph E College of Natural Sciences
   Provide series of in-service teacher training workshops in aerospace science for Windward District K-12 teachers. Workshops include: two preparatory half-day, a 7-day full-day and one follow-up full day session. On-campus resources includes WCC's Imaginaria, NASA Flight Training Aerospace Education Laboratory, Aerospace Exploration Lab and Lanihuli Observatory.

2. Hawaii-Dept of Health
   "Child Clinical and Admin Services, ASO Log No. 02-003"
   Guerrero, Anthony Psychiatry- MED
   Provide psychiatric services to the Department of Health, Child & Adolescent Mental Health Division as outlined in the scope of services in the contract.

3. Hawaii-Dept of Health
   "EMS Stipend Program"
   Kalinowski, Edward Kapiolani CC
   Legislative funded stipend program for MICT students not receiving stipends from the City and County of Honolulu or Hawaii County Fire Service.

4. Hawaii-Dept of Health
   "Memorandum of Understanding Between The State of Hawaii, Department of Health, Disease Outbreak Control Division and the University of Hawaii"
   Qureshi, Kristine School of Nursing
   School-based influenza vaccination project.

5. Hawaii-Dept of Human Services
   "Bridge to Hope Student Support"
   Bill, Teresa Office of Student Affairs
   University of Hawaii will administer and provide campus work opportunities to eligible TANF/TAONF students through its Bridge to Hope program on all University of Hawaii campuses state-wide.

6. Hawaii-Dept of Human Services
   "Hawaii Excellence Through Science and Technology (HiEST) Academy"
   Rota, Michael T Office, VP Community Coll.
   Implement the HIEST Academy initiative based on the CORD curriculum that will use a contextual approach to teaching and learning.

7. Hawaii-Dept of Land & Natural Resources
   "State Park Resource Management Rangers"
   Duffy, David Botany
   Collaborate with DLNR to conserve native ecosystems within Hawaii's State Park.
8. Hawaii-Dept of Land & Natural Resources $15,222
“Development of Web Content for Hawaii’s Local Action Strategies and Outreach Support for 2008 International Year of the Reef”
Duffy, David Botany
Review and summarize materials produced under the state's Local Action Strategies for reef conservation, make information available online, and assist in promotion of the International Year of the Reef.

9. Hawaii-Dept of Land & Natural Resources $63,700
“Miconia Control in the Koolau Range”
Duffy, David Botany
Conduct miconia survey and treatment in the Koolau Mountains, focusing on immature miconia plants.

10. Hawaii-Dept of Land & Natural Resources $10,000
“The STOPP (Stem the Tide of Plant Pests) Program”
Dunn, Christopher Lyon Arboretum
To create a community-based weed awareness and control program.

11. Hawaii-State Foundation on Culture & the Arts $25,000
“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- Business and Other

1. Hawaii Council for the Humanities $2,500
“The Common Book Project at Windward Community College, Fall 2008”
Richardson, Brian Windward CC
To support the Common Book Program at Windward Community College for the Fall 2008 semesters by organizing speakers, and providing supplies and classroom resources.

2. Pacific Resources for Education & Learning $17,056
“Distance Learning Master's Degree Program in Evaluation (REMOTE)”
McKimmy, Paul B. College of Education
To provide additional support for UH personnel to assist PREL in the implementation, design and continued development of online courses used in REMOTE.

3. Papa Ola Lokahi $107,844
“Imi Hale Research Administration 2 -- Year 4”
Braun, Kathryn L Public Health Sciences
Recruit and mentor individuals interested in conducting cancer-related research.
4. Pono Pacific Land Management $255,150
   "Pono Pacific Leadership Training for Youth Conservation Corps"
   Morden, Clifford W Botany
   Support Youth Conservation Corps summer intern program.

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

1. American Academy of Neurology $130,000
   "American Academy of Neurology Foundation Clinical Research
   Training Fellowship"
   McMurrtry, Aaron Medicine- MED
   This is an application for an award sponsored by the American Academy of
   Neurology.

2. American Psychological Foundation $4,145
   "Research and Training Proposal to Increase Minority Mental Health
   Professionals Among Asian and Pacific Islander Groups"
   Uchigakiuchi, Patrick Social Science Rsrch Inst
   To create a research and training program at early undergraduate levels of
   the education pipeline to increase mental health professionals from minority
   Asian and Pacific Islander groups.

FROM: Mainland- Business

1. Aura, Inc $75,266
   "GNIRS OIWRS Repair and Testing"
   Hodapp, Klaus W Institute for Astronomy
   Perform services to install and test new detector and repair and test
   mechanisms and sensors for the Gemini Observatory instrument GNIRS
   (Gemini Near Infrared Spectrograph).

FROM: Mainland- Other

1. Nat'l Writing Project $53,000
   "2008 Hawaii Writing Project Teacher Training Program"
   Hershinow, Sheldon J Kapiolani CC
   Professional development for teachers K-16.

2. RK Consulting $20,000
   "Rob Knourek MALT Internship"
   Hoffman, Mark Maui CC
   Training in the development of database applications for the internet.

FROM: U.S. Universities and Colleges

1. Kansas State $75,000
   "Joint Family Support Assistance Program Operation Military Kids"
   Nakatsuka, Claire M College of Tropical Ag & Human
   The Hawaii 4-H Youth Development program and other partner agencies will
   build a statewide infrastructure to build educational programs and support
   networks for military youth.
2. Mississippi State University  
"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.

3. Saddleback College  
"Rapid Tech" National Center for Rapid Technologies"  
Jennings, Michael  
Honolulu CC  
Curriculum development in 3D Rapid Prototyping in architecture.

4. Univ of Notre Dame  
"QuarkNet Supplement"  
Jones, Michael D  
College of Natural Sciences  
The QuarkNet project involves high school teachers using cosmic ray detectors as a way to introduce particle physics concepts in their teaching.

FROM: All Non-U.S.

1. Government of American Samoa  
"Pacific Regional Comprehensive Cancer Control Implementation Program (Subcontract from American Samoa DOH)"  
Palafox, Neal A  
Family and Consumer Sciences  
Implement the Pacific Regional Comprehensive Cancer Control Program in conjunction with the USAPI jurisdiction; develop a shared cancer resource for use by the jurisdictions; conduct relevant training for health providers; build capacity and policies relevant to cancer control.

2. University of the Ryukyus  
"University of the Ryukyus School of Law Study Tour"  
Kimura, Spencer  
School of Law  
Conduct legal training and education courses for the University of the Ryukyus graduate students and faculty.
Funds Received from UH Foundation

NON-RESEARCH AWARDS

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

1. Univ of Hawaii Foundation $78,287
   "Matsuda Sano Chair"
   Boland, Mary G. Nursing
   Contract agreement for the transfer of funds from the Frances Matsuda Sano Chair account to provide salary support Dr. Maureen Shannon who was appointed as Matsuda Sano Chair.

2. Univ of Hawaii Foundation $5,000
   "Capturing the Momentum: P-3 Initiative - Kauai Island Project"
   Cha, Peggy Kauai CC
   Implement training for early childhood educators and elementary schools to improve early literacy skills of the children of Kauai.

3. Univ of Hawaii Foundation $2,530
   "Birth Data Analyses"
   Crowell, David Psychology

4. Univ of Hawaii Foundation $34,780
   "UH Sea Grant College Program Extension Coordinator"
   Grau, E Gordon Sea Grant - SOEST
   To establish a position for a UH Sea Grant College Program Extension Coordinator to be primarily dedicated to the Waikiki Ecosystem Restoration Project.

5. Univ of Hawaii Foundation $531,401
   "Contemporary Challenges in Microbial Oceanography"
   Karl, David M Oceanography - SOEST
   To train the next generation of scientists in the discipline of microbial oceanography.

6. Univ of Hawaii Foundation $450,000
   "Remote Monitoring of Marine Ecosystems"
   Karl, David M Oceanography - SOEST
   To purchase four additional APL-UW Seagliders to support C-MORE and Moore Foundation sponsored research.

7. Univ of Hawaii Foundation $3,000
   "Hi Chang Chai Excellence in Teaching Award"
   Liebert, Bruce E College of Engineering
   The funds are used to provide three excellence in teaching awards for faculty members in the College of Engineering.

8. Univ of Hawaii Foundation $77,875
   "Castle Award"
   Marikawa, Yusuke Anatomy, Biochemistry &
   To initiate funding agreement at UH for established UHF Castle award. Funds will be used for personnel and supplies.
9. Univ of Hawaii Foundation $1,954
   "WKKF Learning Labs Conference Administration"
   Oyadomari-Chun, Tammi Planning & Policy
   To pay for salary and fringe cost for P-20 staff to provide Learning Labs
   Conference event coordination and administrative support work.

10. Univ of Hawaii Foundation $25,500
    "Capturing the Momentum/Hawaii Pacific Islands Campus
    Compact/Palolo Pipeline: Administrative Coordinator"
    Pascua, Atina T SVP - Academic Affairs
    Salary and wages to administer and monitor budgetary expenses and
    documentation, coordinate meetings/workshops, monitor contracts and site
    visits, maintain operations database; consultants and contracts including
    payments for Americorps VISTA coordinator and expenses for community
    partners and institutions of higher education partners.

11. Univ of Hawaii Foundation $42,483
    "East Asian Buddhism Professorship"
    Tiles, Mary E Philosophy
    To pay for salary and fringe of the East Asian Buddhism Professorship for
    the College of Arts & Humanities.

12. Univ of Hawaii Foundation $28,916
    "Mansfield Freeman Research Assistants"
    Tiles, Mary E Philosophy
    To pay for the salary & fringe for 2 graduate research assistants for the
    Philosophy Department.

13. Univ of Hawaii Foundation $11,596
    "East West Medicine"
    Yun, David Electrical Engineering
    The funds will be used for salary during the Spring 2008 and Summer 2008
    semester.
# EXTRAMURAL RESEARCH AWARDS

## FOR THE MONTH OF MAY 2008

## DISTRIBUTION BY SPONSORS

<table>
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## EXTRAMURAL NON-RESEARCH AWARDS

### FOR THE MONTH OF MAY 2008

### DISTRIBUTION BY SPONSORS

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**Total** 56  $7,519,244  100.00
## EXTRAMURAL RESEARCH AWARDS

**YEAR TO DATE: 7/01/2007 - 5/31/2008**

**DISTRIBUTION BY SPONSORS**

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# EXTRAMURAL NON-RESEARCH AWARDS

**YEAR TO DATE:** 7/01/2007 - 5/31/2008

**DISTRIBUTION BY SPONSORS**

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<th>PERCENT</th>
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| Total                        | 540           | $124,163,094 | 100.00   |
Awards Received by University of Hawaii at Hilo

RESEARCH AWARDS

FROM: US Colleges & Universities

1. Purdue University $312,528
   "Inhibitors of Carcinogenesis FY 08"
   John Pezzuto UHH Pharmacy

FROM: Department of Interior

1. Department of Interior, U.S. Geological Survey $ 25,343
   "Molecular Tools"
   Sharon Ziegler Chong UHH Aquaculture

NON-RESEARCH AWARDS

FROM: Department of Interior

1. Department of Interior, Fish & Wildlife Service $ 18,274
   "UH HIP Association with PIPES"
   Sharon Ziegler Chong UHH Aquaculture

FROM: Hawaii Government Agency

1. State of Hawaii, Dept of Land & Natural Resources $ 92,000
   "Development of Plant Extinction Prevention Program"
   Sharon Ziegler Chong UHH Aquaculture
UNIVERSITY OF HAWAII AT HILO SUMMARY

EXTRAMURAL NON-RESEARCH AWARDS: MAY 2008

DISTRIBUTION BY SPONSORS

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UNIVERSITY OF HAWAII AT HILO SUMMARY

EXTRAMURAL RESEARCH AWARDS: MAY 2008

DISTRIBUTION BY SPONSORS

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UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

EXTRAMURAL NON-RESEARCH AWARDS: JULY 2007 - MAY 2008

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Attachment A-2a, p.4
UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

EXTRAMURAL RESEARCH AWARDS: JULY 2007 - MAY 2008

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Gifts, Grants, and Contracts

The following gifts, grants and contracts received by all campuses except the University of Hawai'i at Hilo during the period June 1, 2008 through June 30, 2008 total $37,734,370. The University of Hawai'i at Hilo received a total of $879,802 during the same period.

Gifts, Grants and Contracts Received June 1 - 30, 2008

RESEARCH AWARDS

FROM: University of Hawaii Foundation
1. University of Hawaii Foundation $13,000
   "CRCH Traineeship"
   Vogel, Carl-Wilhelm Cancer Research Center
   Support of CRCH activity: 2008 Meiji Yasuda summer research fellowships.

FROM: USDA Forest Service
1. USDA Forest Service $54,982
   "The Invasive Species/Wildfire Cycle: Fuel Loads, Microclimate, Fire Potential, and Fire Behavior in Dominant Grasslands and Adjacent Forests"
   Litton, Creighton Natural Resources &
   This research will directly address knowledge gaps in tropical fire ecology by sampling fuels and microclimate regularly across a wide range of sites on Oahu. Integration of this baseline information into existing management scenarios will be crucial for validating and implementing the real-time fire potential and behavior models currently in use in Hawaii.

FROM: DA-Dept of Agriculture
1. DA-Dept of Agriculture $72,999
   "Surveys of Invasive Alien Species of Terrestrial Snails and Slugs in Hawaii, Especially Those of Horticultural Concern"
   Cowie, Robert H Pacific Biomed Rsrch Cntr
   The project will survey alien snails and slugs in Hawaii, focusing on lowland areas disturbed by human activities, and second on higher elevation more pristine habitats, in order to ascertain the identity and distribution of the species present and which and how many of them have spread from the presumed horticultural facilities from which they originated.

2. DA-Dept of Agriculture $186,450
   "Research, Assessment, and Educational Tools for Sustainable Termite Management"
   Grace, J Kenneth Plant & Environmental Protection
   Develop tools and assessment methods to support community-wide termite management; detect and establish research methods for new invasive termites in Hawaii.
3. DA-Dept of Agriculture
"Potato Cyst Nematode Survey"
Sipes, Brent S Plant & Environmental Protection
A survey of commercial potato fields for potato cyst nematode is proposed.

4. DA-Dept of Agriculture
"State-wide Survey for Soybean Cyst Nematode Presence"
Sipes, Brent S Plant & Environmental Protection
To conduct a statewide survey to define the extent of infestations of the soybean cyst nematode.

FROM: DHHS-Dept of Health & Human Services

1. National Institutes of Health
"Transposon Based Mammalian Transgenesis and Transfection"
Moisyadi, Stefan Anatomy, Biochemistry &
This grant should lead to improved non-viral integrating vectors for use in mammalian transgenesis.

2. 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.

3. National Institutes of Health
"COBRE: Center for Cardiovascular Research"
Shohet, Ralph Medicine- MED
Non-competing continuation.

4. NIH-Nat'l Center for Minority Health Disparities
"Pili 'Ohana Program: Partnerships to Overcome Obesity Disparities in Hawaii"
Kaholokula, Joseph Native Hawaiian Health- MED
This competing continuation proposal seeks funding for a 5-year intervention project on weight loss maintenance among Native Hawaiians and Pacific Peoples based on a community-based participatory research model.

5. NIH-Nat'l Inst of Biomedical Imaging and Bioengineering
"Development of Compact Teleoperated Robotic Minimally Invasive Surgery"
Berkelman, Peter Mechanical Engineering
The aims of the project are to develop a prototype robotic system for teleoperated minimally invasive surgery and evaluate its performance in simulated surgical procedures. The proposed system is to be dramatically smarter and less complex than currently available systems so as provide greater ease of use, reduce setup time, and be more easily sterilized at reduced cost.
6. NIH-Natl Inst of Mental Health (NIMH) $216,016
"CRF-Norepinephrine Interactions in Stress and Depression"
Dunn, Adrian Pacific Biosciences Research

7. NIH-Natl Inst of Nursing Research $235,481
"Cognitive Behavioral Intervention in Diabetes Self-Management"
Inouye, Jillian Nursing
A two-armed randomized, controlled clinical trial with follow-up that examines the behavioral and health outcomes in individuals with type 2 diabetes given a diabetic education program for self-management versus standard self-management program plus cognitive behavioral intervention to enhance adherence.

FROM: DOC-Dept of Commerce

1. DOC-National Oceanic & Atmospheric Administration $269,843
"NOAA/NESDIS/STAR MOBY CRUISES"
Schroeder, Thomas A JIMAR - SOEST
To maintain an optical buoy off the coast of Lanai.

FROM: DOD-Dept of Defense

1. DOD-Air Force Office of Scientific Research $232,738
"Low Light Adaptive Contraction in Support of the Space Situational Awareness Mission"
Chun, Mark Institute for Astronomy
Conduct research to address fundamental issues outlined in the solicitation to improve Air Force faint object capabilities.

2. DOD-Dept of Air Force $1,948,818
"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 $1,974
"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 Air Force $10,026
"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.
5. DOD-Dept of Defense
"Examination of Population Genetics and Pollination Biology of kio'ele, Kadua coriacea"
Morden, Clifford W Botany
Conduct genetic study on Kadua coriacea to determine conservation management needs.

6. DOD-Naval Research Laboratory
"Multiple Approaches for Testing Novel Coatings in the Laboratory and in Pearl Harbor, Hawaii. Investigations at the Microbial and Macrofouler Levels"
Hadfield, Michael G Pacific Biosciences Research
Testing of fouling organisms on experimental marine coatings.

7. DOD-Tripler Army Medical Center
"Cooperative Research and Development Agreement Between Clinical Investigation Regulatory Office U.S. Army Medical Department Center and School"
Lozanoff, Scott Anatomy, Biochemistry & The purpose of this Agreement is to expedite the transfer of federal technology from the Federal Laboratory to the private sector (in this case, JABSOM) through the sharing of resources and information towards the successful completion of the project.

8. DOD-US Army Medical Research & Material Command
"Pacific Pediatric Advanced Care Initiative, Phase II"
Burgess, Lawrence P A School of Medicine
Develop ECMOSim, a computer-manikin model for patient physiologic variables and extracorporeal membrane oxygenation pump biomechanical data. ECMOSim will be refined using an heuristic evaluation model. Following prototype finalization, scenario-based curriculum will be evaluated on its ability for providers to acquire extracorporeal membrane oxygenation skills.

FROM: National Science Foundation
1. National Science Foundation
"Collaborative Research: RUI: The Transition from Subduction to Extensional Magmatism in the Dry Valleys of Antarctica"

2. National Science Foundation
"The Strombolian Conduit: What Happens in the Last 250 m?"
Harris, Andrew Haw Inst Geophys & Planet This achievement-based NSF proposal will support research into explosion and conduit dynamics at Stromboli volcano (Italy), requesting support for faculty and student salary, to follow up on the successful results from our NSF grant "Volcanic Conduit Processes and Strombolian Eruption Cycles" that was active between May 2002 and July 2006.
3. National Science Foundation  
"CRC: Chemistry of Unsaturated Hydrocarbons in Titan's Atmosphere"  
Kaiser, Ralf I  
Chemistry  
An investigation of the chemical processing of Saturn's moon Titan and of cold molecular clouds.

4. National Science Foundation  
"REU Supplement: Digital Deliberation: Searching and Deciding About How to Vote"  
Robertson, Scott  
Info & Computer Science  
This is a request for an REU supplement. Ms. Laura Jolly's will be to help the research team with data collection, interpretation, and analysis. She will also assist the researchers with preparation of papers and presentations.

5. National Science Foundation  
"Retrodirective Antenna Arrays for Secure Data Transmission in Covert Terrestrial and Nanosatellite Sensor Networks (17U07UHShiro)"  
Shiroma, Wayne A  
Electrical Engineering  
Develop novel antennas for intelligence-gathering scenarios.

6. National Science Foundation  
"Oceanographic Technical Services 2006-2008, R/V Kilo Moana"  
Taylor, Brian  
Sch Ocean,Earth Sci & Tec  
Support for technical services during NSF-Funded Programs on R/V Kilo Moana.

7. National Science Foundation  
"Cool Dust and Gas in Transitional and Debris Disks"  
Williams, Jonathan P  
Institute for Astronomy  
This grant is to fund a PhD thesis and undergraduate assistance with a program to use the submillimeter telescope facilities on Mauna Kea to survey and image the cold gas and dust in disks around stars with ages of a few million years, during the principal period of planet formation.

FROM: Nat'l Aeronautics & Space Administration

1. Nat'l Aeronautics & Space Administration  
"FLAME DESIGN: A Novel Approach to Clean Efficient Diffusion Flames"  
Chao, Beei-Huan  
Mechanical Engineering  
Investigate how flame structure can be controlled such that diffusion flames can be soot free but exceedingly strong. In this way, practical applications to clean, efficient diffusion flames can be realized.
<table>
<thead>
<tr>
<th>Proposal Date</th>
<th>Prime Contractor</th>
<th>Grant Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Nat'l Aeronautics &amp; Space Administration</td>
<td>$101,779</td>
<td>&quot;Assessment of Lunar Resources: Using Targeted Observations of Mini-RF in Conjunction with Data from LROC, LEND, DLRE, LOLA, and LAMP&quot;</td>
<td>Gillis-Davis, Jeffrey Haw Inst Geophys &amp; Planet The proposed work will create a list of lunar geologic features to target with the Lunar Reconnaissance Orbiter mini radar. Data will be acquired of basalt flows of varying titanium content and lunar pyroclastic deposits to investigate the resource potential of these two types of deposits.</td>
</tr>
<tr>
<td>3. Nat'l Aeronautics &amp; Space Administration</td>
<td>$94,715</td>
<td>&quot;An Investigation of Lunar Dark Mantle Deposits using LROC Data&quot;</td>
<td>Hawke, Bernard R Haw Inst Geophys &amp; Planet This is a proposal to be a Lunar Reconnaissance Orbiter Participating Scientist.</td>
</tr>
<tr>
<td>4. Nat'l Aeronautics &amp; Space Administration</td>
<td>$53,000</td>
<td>&quot;Regional Planetary Image Center&quot;</td>
<td>Hawke, Bernard R Haw Inst Geophys &amp; Planet This is a proposal for the continued support of the Pacific Regional Planetary Image Facility at the University of Hawaii. Continued support is needed for the development and operations of the center.</td>
</tr>
<tr>
<td>6. Nat'l Aeronautics &amp; Space Administration</td>
<td>$100,100</td>
<td>&quot;Mineralogical Mapping of the Moon&quot;</td>
<td>Lucey, Paul Haw Inst Geophys &amp; Planet Use remote sensing to study the composition of the lunar surface.</td>
</tr>
</tbody>
</table>

FROM: Hawaii- Government Agencies

2. DLNR-Division of Aquatic Resources  
   "Marine Governance and Indigenous Rights Study"  
   Antolini, Denise E  
   School of Law  
   Project involves local and comparative legal research and report with recommendations on the opportunities for protection of indigenous rights in Hawaii within the regime of marine resources governance.

3. DLNR-Division of Aquatic Resources  
   "Evaluating the Effectiveness of Restricted Fishing Areas for Improving the Bottomfish Fishery in the Main Hawaiian Islands"  
   Drazen, Jeffrey  
   Oceanography - SOEST  
   To evaluate the effectiveness of restricted fishing areas for improving the bottomfish fishery in the main Hawaiian Islands.

4. DLNR-Division of Aquatic Resources  
   "Identification of Algae Samples to Lowest Relevant Taxonomic Level and Sequence Data for Algae Samples Through UH Botany Department"  
   Sherwood, Alison  
   Botany  
   This is a small contract with the state Division of Aquatic Resources for me to identify potential alien and invasive algae for them. They will drop off collections for identification as they are discovered in the field and determined to be problematic or suspicious.

5. DLNR-Division of Forestry & Wildlife  
   "Development of Seed Storage Facilities/Oahu Rare Plant Restoration"  
   Dunn, Christopher  
   Lyon Arboretum  
   To establish the necessary infrastructure that will improve the effectiveness and efficiency of rare plant recovery by ensuring genetic viability through the tracking of seeds and propagules, better assessment of the current status of wild and reintroduced rare species populations, and analysis on long-term population trends.

6. 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.

7. DOH-Office of Hazard Evaluation and Emergency  
   "Characterization of Hazardous Substances"  
   Uchida, Raymond S  
   College of Tropical Ag & Human  
   The identification of unknown chemical substances is an important part of the response to spills and other incidents around the State. Our program is in charge of categorizing and, when possible, identifying those unknown chemicals so treatment and mitigation of the sites can take place.
8. Hawaii-Dept of Agriculture
"Varroa Mite Surveillance and Control in Hawaii to Prevent Spread of the Pest on Honey Bees on the Island of Oahu to Honey Bees Statewide"
Wright, Mark G 
Plant & Environmental Protection
The purpose of this proposal is to establish programs in support of efforts to contain and manage the varroa mite on Oahu which now threatens honey production, pollination services, and bee production statewide.

9. Hawaii-Dept of Health
"Hawaii Tumor Registry"
Goodman, Marc T 
Cancer Research Center
Hawaii Tumor Registry will maintain a state cancer registry for identification and follow up of all cancer diagnosed in Hawaii as sponsored by the NCI Surveillance Epidemiology and End Results (SEER) program.

10. Hawaii-Dept of Health
"Social Epidemiology Project/Epidemiologic Research Relating to Public Health"
Maddock, Jason E 
Public Health Sciences
This project provides evaluation and research support to the Healthy Hawaii Initiative.

11. Hawaii-Dept of Land & Natural Resources
"Hawaiian Ecosystems: Management and Education: Koolau Watershed"
Duffy, David 
Botany
Monitor game check stations and run transects in native forest areas to determine impacts of pigs and axis deer in Koolau Watershed in Maui.

12. Hawaii-Dept of Land & Natural Resources
"Cooperative Administration of FADs"
Holland, Kim N 
Haw Inst Marine Bio-SOEST
Maintain the network of fish aggregation devices (FADs) around the Hawaiian Islands, promote dialogue with user community and facilitate appropriate collaborative research.

13. Hawaii-Executive Office on Aging
"Research on Grandparents Raising Grandchildren in the Department of Education"
Yancura, Loriena 
Family and Consumer Sciences
The study will survey grandparents raising grandchildren enrolled in the Department of Education (DOE) school system.
FROM: Hawaii- Associations, Foundations, Societies, etc.

1. HCF-Geist Foundation $50,000
   "Pseudoxanthoma Elasticum; Elastic Fibers Alterations and Characterization of Serum Factors"
   Le Saux, Olivier Cell & Molecular Biology- MED
   Elastic fibers are large, complex molecules that are important for life by providing specific mechanical properties to elastic tissues. To understand how elastic fibers are maintained over time, we are exploring the pathologic mechanism underlying pseudoxanthoma elasticum, a heritable disease, characterized by progressive elastic fiber fragmentation and calcification.

2. HCF-Ingeborg V.F. McKee Fund $50,000
   "Role of Caveolin-1 in Cardiac Remodeling"
   Le Saux, Claude Cell & Molecular Biology- MED
   The aim of this proposal is to understand the role of caveolae, omega-shaped structure at the surface of the cells, in cardiac remodeling. We hypothesize that the loss of this structure induced by pro-inflammatory cytokines will lead to an enhanced response to pro-scarring factors released during myocardial injury.

FROM: Hawaii- Business and Other

1. Hawaii Agriculture Research Center $28,560
   "Nematode Resistant Rootstock Improvement for Hawaii Coffee Growers"
   Sipes, Brent S Plant & Environmental Protection
   Ethiopian Arabica coffee cultivars will be evaluated for resistance to the Kona rootknot nematode. Literature will be reviewed to identify other potential sources of nematode resistance for use in Hawaii.

FROM: Hawaii- Health Organizations

1. Pacific Health Research Institute $12,520
   "Risk Factors for Pathological Markers - Parkinson's Disease"
   Uyehara-Lock, Jane Pathology- MED
   Pacific Health Research Institute wishes to purchase the staff time of Jane Uyehara-Lock, M.D., a University of Hawaii employee, to conduct research relating to Parkinson's Disease.

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

1. Robert Wood Johnson Foundation $20,098
   "TRUE Research Foundation"
   Bursell, Sven-Erik Dean's Office- MED
   Coordinate the activities of the technical team at the Joslin Vision Network and ensure they are meeting milestones; Guide the interaction of content with technology; Assist in preparing a final report to the Robert Woods Johnson Foundation.
### FROM: Mainland- Business

1. **ChemImage Corporation**
   - "University of Hawaii Sensor Development Addendum (Subcontract)"
   - Sharma, Shiv K
   - \textit{Haw Inst Geophys & Planet}
   - This proposal seeks support participation by Charles Helsley during the Integration & Test activity conducted at Fort Irwin, CA from May 5-21, 2008, as part of the Guardian Angel Program sponsored by the Joint Improvised Explosive Device Defeat Organization.

2. **Eli Lilly & Co**
   - "Eli Lilly H80-MC-GWBQ Safety and Efficacy of Exenatide as Monotherapy and Adjunctive Therapy to Oral Antidiabetic Agents in Adolescents with Type 2..."
   - Arakaki, Richard F
   - \textit{Medicine- MED}
   - This study will examine whether exenatide injected two times a day is superior to placebo in helping 10-16 year old type 2 diabetic patients control their blood sugar.

3. **PPD Development**
   - "A Phase 2b/3, Randomized, Double Blind, Close confirming Study of the Safety, Efficacy and Tolerability of Apricitabine Versus Lamivudine in Treatment"
   - Shikuma, Cecilia M
   - \textit{Medicine- MED}
   - To test experimental HIV drug therapy on human subjects.

4. **Sanofi-Aventis Pharmaceuticals**
   - "Insulin Glargine vs. Exenatide as Add On Therapy to Oral Agents in Subjects with Suboptimal Control of Type 2 Diabetes"
   - Arakaki, Richard F
   - \textit{Medicine- MED}
   - This study will determine the difference in blood sugar control by adding either Lantus or Byetta to current diabetes medications already taken by type 2 diabetes patients. The safety and efficacy of these two drugs will be examined as well.

### FROM: U.S. Universities and Colleges

1. **Drexel University**
   - "Sulfur Dioxide and Dimethyl Sulfide Measurements for the VOCALS Field Program"
   - Blomquist, Byron
   - \textit{Oceanography - SOEST}
   - Supervise and conduct an atmospheric chemistry field experiment on US government research aircraft, deployed to the E. Pacific, based out of Arica, Chile. Subsequent responsibility to prepare final dataset and analyze/publish results. The project will be studying sulfur species chemistry and its relationship to the stratocumulus clouds of this region.

2. **Johns Hopkins University**
   - "Modifying the Food Environment to Prevent Obesity Among Low Income Urban African American Children by Working in Food Stores, Schools and Community"
   - Sharma, Sangita
   - \textit{Cancer Research Center}
   - To develop, implement and evaluate a food and store based intervention program aimed to improve food consumption and reduce risk of obesity in African American children.
3. Mississippi State University  
"Application of Multi Satellite Radiance Products to NRL NAVDAS"  
Li, Tim  
Meteorology - SOEST  
To use the community radiative transfer model (CRTM) to assimilate the radiance products from satellite sensors, SSMIS and AIRS.

4. Oregon Health Sciences University  
"A Study of Continuous Oral Contraceptives and Doxycycline"  
Kaneshiro, Bliss  
Obstetrics - GYN - MED  
The purpose of this study is to learn if the study drug, doxycycline, can decrease the amount of unplanned vaginal bleeding that women commonly experience when taking combined oral contraception (pills with estrogen and progesterin) in a continuous fashion (no hormone-free week).

5. State University of New Jersey (Rutgers)  
"IR-4 HQ Support for Western Region Collaborator - 2008 (Coffee Processing Equipment)"  
Kawate, Michael K  
Plant & Environmental Protection  
To purchase coffee processing equipment to process fresh coffee cherries into appropriate fractions for pesticide residue testing.

6. Univ of Texas- Austin  
"Protoplanetary Disks Around the Lowest Mass Brown Dwarfs"  
Allers, Katelyn  
Institute for Astronomy  
To study the disks around objects with masses from 6 M-Jupiter up to the hydrogen burning limit, with emphasis on the lowest mass disks.

7. Utah State University  
"Improving and Extending the Superhero Status of the Sunn Hemp to Other Growers in Need of Help"  
Sipes, Brent S  
Plant & Environmental Protection  
Involves promoting the use of sunn hemp cover crop to improve farm sustainability.

FROM: All Non-U.S.

1. Rural Development Admin-Korea  
"Studies on Risk Assessment of Hazardous Substances by Omics"  
Li, Qingxiao  
Molecular Biosciences &  
To enhance analytical methodology to evaluate toxicity of hazardous substances including pesticide residues in agricultural products; To develop a system to evaluate and predict toxicity of hazardous substances in agricultural products.

2. The Academy of Korean Studies  
"Korean Civil Society and Re-emergence of Historical Memories"  
Seo, Jungmin  
Political Science  
Producing quantitative and qualitative database on history-issue focused Korean civil society organizations and finding out the causal relationship between the growth of Korean civil society and the re-emergence of historical memories in Korea and international realm.
FROM: Miscellaneous

1. Oceanic Institute-HPU  
   "Establishment and Characterization of Cell Lines from Pacific Threadfin (Moi) for Use in Early Detection and Control of Pathogenic Viruses"
   Lu, Yuanan  
   Public Health Sciences
   Establishment and growth of multiple cell lines from different organs/tissues of moī, a marine fish species important to aquaculturists in Hawaii as an essential component for viral disease diagnosis and general surveillance program to document the health status of cultured moï in Hawaii.

NON-RESEARCH AWARDS

FROM: Dept of Education

1. DOI-American Samoa  
   "Continuing Education for Veteran and Novice Childcare Providers"
   Johnson, Richard T  
   College of Education
   Provide professional development for child care workers in American Samoa.

2. DOI-Fish & Wildlife  
   "Consultant Services for the US Fish and Wildlife Service"
   Hamnett, Michael P  
   Social Science Rsrch Inst
   Provide scientific consulting services to the US Fish and Wildlife Service, including: complete final draft and Habitat Equivalency Analysis inputs for the primary restoration proposal for the M/V Cape Flattery grounding site, provide technical review or all restoration proposals, design pilot projects for compensatory restoration projects.

3. DOI-Off of Insular Affairs  
   "2008 DOI Island Fellowship Program"
   Rota, Michael T  
   Office, VP Community Coll.
   The Pacific Business Center Program will provide technical and administrative assistance to the DOI in administering the 2008 DOI Island Fellowship Program.

FROM: DHHS-Dept of Health & Human Services

1. DHHS-Dept of Health & Human Services  
   "Enhancement of Community Health Nursing Workforce Supply in Hawaii and Asian Pacific Islands"
   Qureshi, Kristine  
   School of Nursing
   To implement and evaluate a new advanced practice graduate nursing degree in public/community health nursing, to increase public/community health capacity in the State of Hawaii in order to address health disparities among people of this region.
2. 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 Associated Development Award effort, will collaborate with the Office of Sponsored Research to enhance faculty research in the biomedical and behavioral sciences by offering workshops and seminars; providing a mentoring/collaborative program; and supporting pilot research.

3. NIH-Natl Inst of Diabetes, Digestive, Kidney (NIDDKD)

"High School Students Step Up to Biomedical Research"

Hui, George S N Trop Med - Med Micro - MED

Provide biomedical research training for high school students of ethnic minority and economically disadvantaed background.

4. PHS-Centers for Disease Control (CDC)

"NPCR Planning Grant - Pacific Regional Central Cancer Registry"

Palafox, Neal A Fam Prac & Comm Hlth- MED

Work with the US Affiliated Pacific Island (USAPI) Jurisdictions to develop the capacity for a cancer registry in each jurisdiction and the USAPI Pacific Region. This will improve the quality of cancer-related health information and ultimately improve the quality of health care provided in each of the USAPI jurisdictions.

5. PHS-Health Resources and Services Admin (HRSA)

"Public Health Training in Maternal & Child Health: A Graduate Certificate Program"

Partika, Nancy Public Health Sciences

To provide maternal and child leadership skills training to professionals from underrepresented and geographically isolated populations in Hawaii and the Pacific.

FROM: DOC-Dept of Commerce

1. DOC-National Oceanic & Atmospheric Administration

"2008 Whale Sanctuary Interns"

Hunter, Cynthia Marine Option Pgm - SOEST

MOP will recruit and employ an office assistant and will engage and monitor two to three student interns who will assist the Hawaiian Islands Humpback Whale National Marine Sanctuary in conducting education and outreach programs.

2. DOC-National Oceanic & Atmospheric Administration

"Population Surveys and Removal of Alien Algal Threats to Two Species of Concern in Kaneohe Bay"

Hunter, Cynthia Haw Inst Marine Bio-SOEST

Train students to conduct basic field surveys to monitor the abundance of two Species of Concern, remove alien algae from their vicinity, and collect samples for genetic characterization for coral species.
3. DOC-National Oceanic & Atmospheric Administration  
   "$397,909  "PaciOOS Regional Association Support 2008-2011"  
   Taylor, Brian  Sch Ocean,Earth Sci & Tec  
   Implement ocean observing regional association.

4. DOC-Natl Marine Fisheries Service  
   "$6,000  "Sea Turtle Stranding Project"  
   Hunter, Cynthia  Biology Program  
   Gain increased understanding of marine turtle strandings on Oahu in order to  
   better understand their locations, numbers, size, health, and cause of  
   strandings.

FROM: ED-Dept of Education

1. ED-Dept of Education  
   "$383,197  "Improving Student Success, Transition and Retention"  
   Cha, Peggy  Kauai CC  
   The purpose of this grant is to strengthen the retention, graduation and  
   success rates for the under-prepared student population at Kauai Community  
   College by implementing a campus-wide College Success program which is  
   modeled on the already successful case management pilot program and the  
   EPSCoR funded Academy for Future Nurses.

2. ED-Dept of Education  
   "$199,999  "Preparing Distance Education Leaders in Evidence-Based  
   Practices to Serve Multicultural Populations"  
   Cook, Bryan  Special Education  
   This project will train 6 Ph.D. in Education, Exceptionalities Specialization  
   scholars with a focus on evidence-based practices, distance education, and  
   multiculturalism. Trainees will receive financial support for four years.

3. ED-Dept of Education  
   "$465,080  "Strengthening Hawaiian Studies Access and Academic Quality"  
   Dykstra, Douglas  Hawaii CC  
   Rural district distance education and support; Curriculum resource  
   development; interdisciplinary collaborati on new course development.

4. ED-Dept of Education  
   "$329,883  "Creating Purposeful and Sustainable Pathways in Student Services,  
   Professional Development, and 21st Century Career Programs for  
   Improved Student…”  
   Goya, Kelli  Kapiolani CC  
   Kapiolani Community College's goal in this Title III undertaking is to create three  
   learning support pathways across the First-Year and Second-Year  
   Experience, and into transforming marketplace, to support greater academic  
   and career achievements for Native Hawaiian and other pathways students.
5. ED-Dept of Education
   "Title III for Native Hawaiian Serving Institutions - 84.031"
   Matsui, Sandy  Honolulu CC
   Develop curriculum in Ocean Hawaii, Music Enterprise learning Experience
   and 1st Year Experience/Learning Communities.

6. ED-Dept of Education
   "Redefining Student Services"
   Meixell, Angela C  Windward CC
   Improving student progress and increasing retention through additional
   intervention and opportunities. Developing capacity for continous course and
   program improvement.

7. ED-Dept of Education
   "Center for Excellence in Native Hawaiian Law"
   Soifer, Aviam  School of Law
   Refine with new objectives and activities to better enable the Center to
   accomplish it's mission to educate all the people of Hawaii about legal issues
   of particular significance to the Native Hawaiian community.

8. ED-Dept of Education
   "Maui County Upward Bound Program"
   Tagomori, Alvin R  Maui CC
   The Upward Bound Program affords Maui County secondary students who
   are economically disadvantaged and have a high academic risk for failure the
   opportunity to acquire the basic skills and information necessary for enrolling
   and succeeding in postsecondary educational programs.

9. ED-Off of Postsecondary Ed
   "Kokua a Puni - Native Hawaiian Student Service Program"
   Freitas, Antoinette Konia  Hawaiian Studies- SHAPS
   This grant proposes to increase access to four-year degrees at UHM;
   retention and graduation rates; and performance reporting for Native
   Hawaiian students. The proposed activities include: summer retention
   program; academic tutorial services; academic and career advising, case
   management, student monitoring program, computer training, and
   technological upgrades.

10. ED-Off of Postsecondary Ed
    "Improving Engagement and Retention Among Underprepared
        Students"
    Pecsok, Michael H  Leeward CC
    A grant to strengthen LCC's capacity to serve underprepared students (with
    emphasis on Native Hawaiian populations) and expand assessment and
    institutional research.
11. ED-Off of Postsecondary Ed

"Strengthening Maui Community College's Hawaiian Studies Program, Increasing Student Persistence and Graduation, and Developing an Associate Degree…"

Robinson, Suzette
Maui CC
Strengthening Maui Community College Hawaiian Studies program, increasing student persistence and graduation and developing an Associate degree in Education.

FROM: National Science Foundation

1. National Science Foundation

"IMUA 2: NSF Hawaii EPSCoR"

Gaines, James R
VP for Research
Proposal is designed to increase research competitiveness across Hawaii by improving research infrastructure at the University of Hawaii and enabling partnerships across the state and with researchers from outside Hawaii who share common interests in evolutionary genetics, environmental sciences, and cyberinfrastructure themes of the proposal.

2. National Science Foundation

"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

"The Hawaii Space Grant Consortium: Educating the New NASA Workforce"

Flynn, Luke P
Haw Inst Geophys - SOEST
The proposed effort outlines the goals carried out by the Hawaii Space Grant Consortium to support NASA science education and workforce development activities.

FROM: Independent Federal Agencies- Minor

1. Corporation for National and Community Service

"Intergenerational Solutions in Island Societies"

Pascua, Atina T
SVP - Academic Affairs
Hawaii Pacific Islands campus Compact (HiPICC) will support cross institutional collaborations to build statewide and regional infrastructure for service-learning and civic responsibility that connects and engages 15-20 colleges and university sub grantees in Hawaii, American Samoa, Guam and the Commonwealth of the Northern Marianas (CNMI).
FROM: Hawaii- Government Agencies

1. City and County of Honolulu $10,000
   "Elderly Affairs Division Caregiver Support Program"
   Pietsch, James H School of Law
   Provide legal services to family caregivers and their care recipients. Additionally, produce disseminate "Deciding What If" legal handbooks to family caregivers and older adults.

2. County of Kauai $70,000
   "Support and Expertise Services on Shoreline Issues: Kauai County Coastal Land Use Extension Project"
   Okimoto, Darren Sea Grant - SOEST
   The main goals of this project are to preserve coastal resources, to reduce the damage caused by coastal hazards, and to enhance shoreline processes education in Kauai County, by providing relevant expertise to Planning officials and other stakeholders.

3. DLNR-Office of Conservation and Coastal Lands $50,000
   "Kailua Beach Management Plan Project"
   Eversole, Dolan Sea Grant - SOEST
   Development of a long-term beach and dune preservation plan for Kailua that reflects the state of knowledge resulting from scientific understanding of long-term beach trends in Kailua Bay and shoreline areas.

4. DOH-Adult Mental Health $4,764,462
   "Research & Evaluation, Psychosocial Rehabilitation, and Management Information Systems Services"
   Wylie, Alexander M Social Science Rsrch Inst
   Provide mental health services research evaluation and training, psychosocial rehabilitation, and MIS services to AMHD.

5. Hawaii Tourism Authority $155,580
   "Language and Cultural Training, Hookipa Me Ke Aloha Training for the Youth Services Center and Hookipa Me Ke Aloha "Train the Trainer" Program"
   Hoshiko, Carol A Kapiolani CC
   KapCC will provide: 1. Language and culture training for Hawaii's visitor industry employees focusing on the Chinese, Korean and Japanese markets. 2. Hookipa Me Ke Aloha Training for the Youth Services Center. 3. Hookipa Me Ke Aloha "Train the Trainer" sessions for designated trainers on Oahu, Maui, Kauai, and the Big Island.

6. Hawaii-Dept of Business & Economic Development $47,000
   "Robotics and STEM Programs"
   Choi, Song Mechanical Engineering
   Provide assistance to support the Pan Pacific VESRobotics Goodwill Tournament and other robotics and STEM programs in the State to help high school programs.
<table>
<thead>
<tr>
<th>No.</th>
<th>State Agency</th>
<th>Amount</th>
<th>Project Description</th>
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</thead>
</table>
| 7.  | Hawaii-Dept of Commerce and Consumer Affairs | $375,000 | "Institutional Network (INET) Interconnections"
  Lassner, David K, Info Technology Services  
  UH will be coordinating the expenditure of State of Hawaii funding available through DCCA in support of the continued development and expansion of the Institutional Network (INET). |
| 8.  | Hawaii-Dept of Education | $93,000 | "P-20 Initiative Memorandum of Agreement with Hawaii Department of Education"
  Johnsrud, Linda, College of Education  
  Facilitate, coordinate, implement and support the P-20 Strategic Plan through regional participation; marketing and communications; data analyses and technical assistance for schools to meet American Diploma Project-related activities; and operational and administrative support work. |
| 9.  | Hawaii-Dept of Education | $50,000 | "Coordination & Administration of 2009 High School Hawaii Youth Risk Behavior Survey"
  Saka, Susan, CRDG  
  Coordinate the administration of the 2009 Hawaii Youth Risk Behavior Survey (YRBS) to selected high school students. Prepare state-level report(s) of the results of the 2007 YRBS. |
| 10. | Hawaii-Dept of Health | $150,000 | "Sexual Violence Prevention Project"
  Quemuel, Christine, Office of Student Affairs  
  The UHM Women's Center will pilot the development of a model for permanent campuses infrastructure to address sexual violence prevention and victim services at Hawaii Community College and Honolulu Community College, followed by implementation at all other UH campuses in following years. |
| 11. | Hawaii-Dept of Human Services | $378,281 | "Title IV-E: CFS-Distance Education FY07-08"
  Alvarez, Anne M, School of Social Work  
  Provide distance learning training to meet the training needs identified in the DHS five-year Child and Family Services Plan (CFSP). |
  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. |
13. Hawaii-Dept of Human Services
   "Hawaii Child Welfare Program Improvement Project"
   Tochiki, Laurie School of Law
   Provide training for law students, attorneys, and other professionals involved in the child welfare system; continue with the multi-disciplinary program at the law school; engage in direct client services with parents, social workers, and children through the Family Court; development of guidelines/information for families and youth.

14. Hawaii-Dept of Human Services
   "Hawaii's Child Welfare Program Improvement Project"
   Tochiki, Laurie School of Law
   Provide training for law students, attorneys, and other professionals involved in the child welfare system; continue with the multi-disciplinary program at the law school; engage in direct clients services with parents, social workers, and children through the Family Court; development of guidelines/information for families and youth.

15. Hawaii-Dept of Land & Natural Resources
   "PCSU Support for the Invasive Species Partnership Projects"
   Duffy, David Botany
   Pacific Cooperative Studies Unit provides support to the Invasive Species Committee and Coordinating Group on Alien Pest Species.

16. Hawaii-Dept of Land & Natural Resources
   "Volcano Rare Plant Facility"
   Kaneshiro, Kenneth Y Pacific Biosciences Research
   Propagation and maintenance of endangered Hawaiian plant species at the Volcano Rare Plant Propagation Facility.

17. Hawaii-Executive Office on Aging
   "Evaluation Services for Healthy Aging Project Empowering Elders"
   Braun, Kathryn L School of Social Work
   To evaluate if senior health programs are implemented with fidelity and positive outcomes.

18. Hawaii-Executive Office on Aging
   "EOA Contract: Kupuna Care Future Vision"
   Foley, Dolores A Urban & Regional Planning
   Develop a report for preferred future vision for Kupuna Care.

19. Hawaii-Executive Office on Aging
   "EOA Contract: Kupuna Care Funding Allocation Plan"
   Foley, Dolores A Urban & Regional Planning
   Facilitate a process for developing a proposed state Kupuna Care funding allocation plan.
20. Hawaii-Executive Office on Aging
   "Nutrition Service for Older Adults"
   Kanehiro, Naomi A College of Tropical Ag & Human
   Develop 12 evidence-based nutrition education lessons. Provide statewide trainings to Area Agencies on Aging, Nutrition Service Providers, and Aging Network partners.

21. Hawaii-Off of Hawaiian Affairs
   "Hawaiian 483 - Ka Papa Mele Wahi Pana (Na Mele No Ka Moku o Keawe)"
   Lopes, Robert Haw'n & Indo-Pac Language
   Hawaiian 483 - Na Mele No Ka Moku o Keawe is a Hawaiian Language course focusing on songs that have been composed for specific place names on the island of Hawaii.

22. Hawaii-Off of Hawaiian Affairs
   "Program Evaluation, Office of Hawaiian Affairs"
   McCubbin, Hamilton I. School of Social Work
   To provide program evaluation services for OHA sponsored projects.

23. Hawaii-Off of Hawaiian Affairs
   "Program Evaluation, Office of Hawaiian Affairs"
   McCubbin, Hamilton I. School of Social Work
   To provide program evaluation services for OHA sponsored projects.

24. Hawaii-Off of Hawaiian Affairs
   "Program Evaluation, Office of Hawaiian Affairs"
   McCubbin, Hamilton I. School of Social Work
   To provide program evaluation services for OHA sponsored projects.

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

1. Hawaii People's Fund
   "Abled Hawaii Artists"
   Stodden, Robert A Center on Disability Studies
   The AHA Arts Festival aims to increase awareness of disability issues through outreach actives on Oahu and the Big Island. Activities will include:
   (1) Coordination of an AHA event in Honolulu in July 2008, (2) Coordination of the first AHA event in Hilo in July 2008, (3) Creation of partnerships with disability organizations in outlying areas.

2. Volunteer Resource Center of Hawaii
   "Six Billion Paths to Peace Initiative"
   Matayoshi, Ronald F School of Social Work
FROM: Hawaii- Business and Other

1. Kamehameha Schools $9,900
   "Special Tabulations of 2005 and 2007 YRBS Data for Native Hawaiian Students"
   Saka, Susan CRDG
   Provide data analysis and tables from the 2005 and 2007 Hawaii Youth Risk Behavior Survey for Hawaiian and non Hawaiian students.

FROM: Hawaii- Health Organizations

1. Waianae Coast Comprehensive Health Center $64,342
   "FY 2008 WCCHC Health Programs"
   Lanzilotti, Salvatore Kapiolani CC
   Provide training for health professions, community health workers, and phlebotomy for Waianae Health Academy.

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

1. Las Cumbres Observatory Global Telescope Network Inc $35,755
   "IFA Hawaiian EPO Program"
   Kuhn, Jeffrey R Institute for Astronomy
   Development and implementation of the Hawaiian Education and Public Outreach Program by the UH Institute for Astronomy and the Las Cumbres Observatory Global Telescope Network, Inc.

2. WIYN Observatory $688,000
   "WIYN/ODI Orthogonal Transfer CCD Controller"
   Onaka, Peter Institute for Astronomy
   To fabricate the WIYN (Wisconsin, Indiana, Yale & NOAO)/ODI (One Degree Imager) Orthogonal Transfer Controller.

FROM: Mainland- Other

1. Language Learning Dissertation Grant Program $2,000
   "Salience, Frequency, and Aptitude in the Learning of Unaccusativity in a Second Language: An Input Enhancement Study"
   Ortega, Lourdes Second Language Studies
   Travel to Seoul, Korea to collect data for dissertation research. Funding will be used for travel expenses for travel to data collection site, compensation for research participants, and expenses for materials and supplies.

2. National Foreign Language Center $120,000
   "2008 STARTALK Chinese Immersion Sports Camp"
   Ning, Cynthia Y School of Hawaiian, Asian & Pacific
   3-week Chinese language, martial arts and table tennis workshop implementing performance based & standards driven approaches to teaching for high school students across the U.S.
3. Spitzer Science Center
   "Three Year Spitzer Fellowship for Lucas Cieza"
   Liu, Michael    Institute for Astronomy
   Awarded to Lucas Cieza to conduct independent research with the goal of
   enhancing the overall return from the Spitzer Space Telescope mission.

4. Spitzer Science Center
   "Three Year Spitzer Fellowship for Emeric Le Floc’h"
   Sanders, David B    Institute for Astronomy
   Awarded to Emeric Le Floc’h to conduct independent research with the goal
   of enhancing the overall scientific return from the Spitzer Space Telescope
   mission.

5. Western States Arts Federation
   "Actors From the London Stage: A Hawaii Residency"
   Slaughter, Timothy R    Outreach College
   An arts residency with theater company, Actors From the London Stage,
   including 1 public performance and 30 outreach activities.

6. Western States Arts Federation
   "Salaam Ensemble: A Hawaii Residency"
   Slaughter, Timothy R    Outreach College
   An arts residency with music group, Salaam Ensemble, includes 1 public
   performance and 2 outreach activities.

FROM: U.S. Universities and Colleges

1. Jackson State University
   "C-More Stars Internship Program"
   Bruno, Barbara    Oceanography - SOEST
   This internship program aims at promoting diversity in the geosciences,
   particularly among Native Hawaiians, Pacific Islanders and other students
   from under-represented groups. The content focus is microbial
   oceanography. Students will be closely supervised by faculty mentors.

FROM: All Non-U.S.

1. Inha University
   "The Yellow Sea Project"
   Van Dyke, Jon M    School of Law
   Salary and fringe benefits for Law School Legal Research Assistants to
   prepare a casebook on Northeast Asia and International Law.
Funds Received from UH Foundation

RESEARCH AWARDS

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

1. Univ of Hawaii Foundation $12,696
   "Hormones and the Environment: 2008 Edwin W. Pauley Foundation Summer Program in Marine Biology"
   Grau, E Gordon  Haw Inst Marine Bio-SOEST
   This program will provide opportunities for local, national and international students to conduct research in environmental physiology or marine animals with guidance from experts from around the world. We shall review current information, discuss future research directions, and provide students with cognitive and technical skills.

2. Univ of Hawaii Foundation $33,900
   "Blood Volume Study"
   Takanishi, Danny M.  Surgery- MED
   Surrogate markers have been used to estimate blood volume despite the fact that substantial evidence-based data to support this is lacking. We have implemented a retrospective, randomized, clinical trial further evaluating the potential benefits of this technology in critically ill and injured patients. The protocol was approved by Queen's Medical Center Research & IRC.

NON-RESEARCH AWARDS

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

1. Univ of Hawaii Foundation $35,265
   "Matsuda Sano Chair"
   Boland, Mary G.  Nursing
   Contract agreement for the transfer of funds from the Frances Matsuda Sano Chair account to provide salary support Dr. Maureen Shannon who was appointed as Matsuda Sano Chair.

2. Univ of Hawaii Foundation $58,000
   "Learning Resource Centers Strategic Planning"
   Bui, Tung  College of Business Admin
   To develop Learning Resource Centers for formal and informal learning in Danang, Can Tho and Thai Nguyen in Vietnam.

3. Univ of Hawaii Foundation $20,000
   "Academic Services"
   Clapp, Carl  Colleges of Arts & Sciences
   To provide academic support to the Athletic Department - Men's Basketball.
4. Univ of Hawaii Foundation
   "WCC/UHF Pacific Initiative for Environmental Studies"
   Krupp, David A          Windward CC
   Project involves a summer environmental science program for High School
   Juniors and seniors, as well as environmental science training for college
   undergraduate students. Students will learn basic concepts and methods for
   studying the Hawaiian environment. The summer high school student
   participants will receive college credit for their participation.

5. Univ of Hawaii Foundation
   "General Support of LCC"
   Lane, Mark              Leeward CC
   Extend end date of MOA to June 30, 2009 and increase fund amount to
   $75,000.

6. Univ of Hawaii Foundation
   "Hawaii Family Support Institute"
   Matsuoka, Jon K         School of Social Work
   To provide support of Hawaii Family Support Institute projects.

7. Univ of Hawaii Foundation
   "Northwestern Hawaiian Islands Aquarium Exhibit Wall"
   Rossiter, Andrew        Waikiki Aquarium
   Construction of a new educational Northwestern Hawaiian Islands exhibit.
   This exhibit will be used to research breeding behavior of fishes, and growth
   and genetics of stony corals.

8. Univ of Hawaii Foundation
   "Law School Annual Fund"
   Soifer, Aviam          School of Law
   Process payment for Law School UHF account with payroll and tax
   implications.
# EXTRAMURAL RESEARCH AWARDS

## FOR THE MONTH OF JUNE 2008

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## EXTRAMURAL NON-RESEARCH AWARDS

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# EXTRAMURAL RESEARCH AWARDS

**YEAR TO DATE: 7/01/2007-6/30/2008**

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Awards Received by University of Hawaii at Hilo

RESEARCH AWARDS

FROM: Department of Interior

1. Department of Interior, USGS $ 250,000
   "Cooperative Monitoring & Assessment of Hawaii Volcanoes"
   Donald Thomas UHH Natural Science

2. Department of Interior, USGS $ 80,000
   "Biocomplexity of Introduced Avian Diseases"
   Sharon Ziegler Chong UHH Aquaculture

NON-RESEARCH AWARDS

FROM: Department of Interior

1. Department of Interior, USGS $ 56,000
   "Hawaiian Forest Bird Database: Publishing"
   Sharon Ziegler Chong UHH Aquaculture

FROM: Department of Health & Human Services

Dept of Health/Human Services, Health Resources/Svcs

1. Admin $ 279,664
   "Nurse Education Practice & Retention, year 3"
   Cecilia Mukai UHH Nursing

FROM: US Dept of Education

1. US Dept of Education $ 800
   "Upward Bound Rural Program, Year 1"
   Leonard Woods UHH Student Affairs
FROM: Dept of Agriculture

1. US Department of Agriculture, Forestry Service  $10,000
   "PACRC Internship Program"
   Sharon Ziegler Chong  UHH Aquaculture

FROM: Hawaii Government Agencies

   State of Hawaii, Dept of Education
   1. Education  $15,315
      "Clinical Supervision Coop/Host Training"
      Corinna Tamashiro  UHH Continuing Education

FROM: US Colleges & Universities

   1. University of Southern California  $50,000
      "Probability Elicitation in Support of Bioterrorism Study"
      Stephen Hora  UHH Business

   2. Georgia State University  $13,474
      "Molecular Genetics & Proteomics"
      Donald Price  UHH Biology

FROM: Hawaii Associations, Foundations & Societies

   1. University of Hawaii Foundation  $89,549
      "Capturing the Momentum: P3 Initiative"
      April Housman  UHH Hawaiian Language
FROM: Hawaii Business and Other

1. Kamehameha Schools  
   "UH Hawaii Internship Program 2008"  
   Sharon Ziegler Chong  
   UHH Aquaculture  
   $ 35,000
UNIVERSITY OF HAWAII AT HILO SUMMARY

EXTRAMURAL RESEARCH AWARDS: JUNE 2008

DISTRIBUTION BY SPONSORS

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UNIVERSITY OF HAWAII AT HILO SUMMARY

EXTRAMURAL NON-RESEARCH AWARDS: JUNE 2008

DISTRIBUTION BY SPONSORS

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**UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY**

**EXTRAMURAL RESEARCH AWARDS: JULY 2007 - JUNE 2008**

**DISTRIBUTION BY SPONSORS**

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Attachment A-3a, p.6
## UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

### EXTRAMURAL NON-RESEARCH AWARDS: JULY 2007 - JUNE 2008

#### DISTRIBUTION BY SPONSORS

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Consent Agenda for Indemnity Provisions

Indemnity Provision – Material Transfer Agreement between the University of Hawaii and Yissum Research Development company of the Hebrew University of Jerusalem

Dr. Robert Paull (“the Recipient”) of the University of Hawaii is requesting access to an expression/silencing vector system (IL-60 platform; “the material”) from Dr. Ilan Sela (“the Provider”) of Yissum Research Development Company of the Hebrew University of Jerusalem.

The objective of the planned research by Dr. Paull is to determine the utility of the IL-60 vector to suppress specific cell wall hydrolases in papaya fruit ripening. The initial work will be done using the GUS construct (IL-6-BR-GUS) to determine whether the vector is taken up by the fruit via the peduncle and then moves throughout the fruit. If the GUS construct is successful, constructs will be made with cell wall hydrolases, such as exodoxylanase and galactosidase.

In the Material Transfer Agreement, UH is required to indemnify and hold harmless Yissum for general liability, as provided below:

Article 1.9 – The Materials may have biological and/or chemical properties which are unpredictable and unknown at the time of transfer. The Institute (UH) shall assume responsibility for any damages or injury arising from any use or handling of the Materials that were caused by the Institute’s agents, officers, and employees in the course of their employment. The Institute shall indemnify Yissum for any claim of liability made against Yissum in conjunction with or related to the use by the Institute of the Materials. In addition, the Institute undertakes to hold harmless Yissum, the University (Hebrew University of Jerusalem), its employees, representatives and any person acting on its behalf against any liability incurred by or imposed upon them relating to this Agreement, the Materials, and/or the Institute, its agents, officers, and employees or anyone acting on its behalf.

OTTED sought to substitute alternate liability language that did not include indemnity, working with Ms. Elena Canetti, Vice President of Scientific Services at Yissum Research Development Company of the Hebrew University of Jerusalem but was unsuccessful in its attempts to eliminate the indemnity provision.

Dr. Paull has provided written assurances that there are no known risks associated with the handling, transport, use and disposal of the materials. Dr. Paull has stated that the materials are not hazardous to humans, that the material does not pose any danger to UH equipment or facilities, that the material will not be used by or transferred to anyone outside his laboratory. The material to be transferred will be shipped in accordance with established state and federal regulations and in compliance with procedures established by the UH Environmental Health and Safety Office. Any financial loss for negligent acts of UH would be covered by the Risk Management Special Fund; and although no
insurance will cover intentional or willful misconduct, Dr. Paull understands that any UH person who engages in such acts in the project could face disciplinary action, would not be entitled to legal counsel provided by UH and would be required to reimburse UH for any damages it suffered. Given these facts, the probability of any adverse outcome from this indemnity is extremely low.
Consent Agenda for Indemnity Provisions

**Indemnity Provision - Agreement between the University of Hawai'i (UH) and the Smithsonian Astrophysical Observatory**

Smithsonian Astrophysical Observatory (SAO) is making $17,601.00 available to the University of Hawai'i to do a study on The Active Galaxy Population in a Supercluster at z=0.7 ("Project"). The Project will be performed by Dr. Roy Gal. Other people who will be working on the Project are Dr. Lori Lubin of the University of California at Davis and Dr. Gordon Squire of the California Institute of Technology.

Dr. Roy Gal will be analyzing data from the Chandra X-ray Observatory, which is an orbiting space telescope operated by the Smithsonian Astrophysical Observatory (SAO) on behalf of the National Aeronautics and Space Administration (NASA). All analysis will be done on the University of Hawaii - Manoa campus. The data provided by SAO will be combined with data from other telescopes. The goal is to provide understanding of how galaxies in our universe change over time. As with all science research, the results are published in refereed journals.

Grantee agrees to hold harmless SAO and NASA, “and to accept all responsibility for, any harm suffered by anyone arising out of the actions of the Award Recipient or its employees, agents, and representatives if visiting SAO.”

SAO is providing data only and is not otherwise involved in the actual performance of the project. In addition, all work will be conducted on University property and the PI will not be visiting SAO. Thus, it is extremely unlikely that SAO could be held liable for any injuries, damages, losses, etc.

Under these circumstances, it is highly unlikely that the indemnification clause will be invoked.
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

QUIGLEY, PETER
Interim Vice Chancellor for
Academic Affairs
Appointment
$17,663 per month
August 1, 2008 – July 31, 2009

UNIVERSITY OF HAWAI'I AT HILO

Emeritus

SEVERANCE, CRAIG
Professor, I5
Anthropology Department
College of Arts and Sciences
August 1, 2007

COMMUNITY COLLEGES

Emeritus

CLEVELAND, DAVID
Professor, I5
Sociology
Honolulu Community College
Upon Board Approval

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

********************
David McClain
President
B-2  Performance-based salary adjustments for executives.

UNIVERSITY OF HAWAI'I SYSTEM AND CAMPUSES

Executive

Performance-based salary adjustments, effective July 1, 2008 except where otherwise noted, for eligible executives as follows:

- $6,000 adjustment to base for eligible executives rated as fully satisfactory, superior or outstanding

- An additional 2% adjustment to base for eligible executives rated as superior and 4% adjustment to base for those rated as outstanding

Refer to attachment B-2 (a) for eligible executives and proposed monthly salaries.

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

**************************
David McClain
President
## Proposed Performance-Based Executive Salary Adjustments

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Pursuant to Act 6, Special Session 2008 (SB 2263), the following proposed compensation actions for excluded executives are disclosed for purposes of public comment.

UNIVERSITY OF HAWAI’I SYSTEM AND CAMPUSES

Executive

Performance-based salary adjustments, effective July 1, 2008, for eligible executives as follows:

- $6,000 adjustment to base for eligible executives rated as fully satisfactory, superior or outstanding
- An additional 2% adjustment to base for eligible executives rated as superior and 4% adjustment to base for those rated as outstanding

Refer to attachment B-3 (a) for eligible executives and proposed monthly salaries.

UNIVERSITY OF HAWAI’I AT MĀNOA

Executive

FOSTER, NANCY
Chief Financial Officer, JABSOM
John A. Burns School of Medicine
Appointment
$17,500 per month
September 1, 2008 – August 31, 2011

INOuye, Jillian
Associate Dean for Research
School of Nursing and Dental Hygiene
Appointment
$14,166 per month
August 1, 2008

Niederhauser, Victoria
Interim Associate Dean for Academic Affairs
School of Nursing and Dental Hygiene
Appointment
$12,648 per month
August 2, 2008 -- August 1, 2009
SORA, WENDY
Interim Assistant Vice Chancellor for Students
Appointment
$6,584 per month
August 1, 2008 -- July 31, 2009

TAKAYAMA, GREG
Executive Assistant to the Chancellor
Appointment
$9,834 per month
August 1, 2008

COMMUNITY COLLEGES

Executive

ASHLEY, EVELYN
Interim Assistant Dean of Instruction
Windward Community College
Special Salary Adjustment
$8,150 per month
July 1, 2008

BARROS, MICHAEL
Program Director, Technology Academy
Honolulu Community College
Appointment
$7,584 per month
August 4, 2008

KINCAID, RAMONA
Director of University of Hawai‘i Center
Kaua‘i Community College
Appointment
$7,250 per month
August 1, 2008

*******************************
## Proposed Performance-Based Executive Salary Adjustments

<table>
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<th>NAME</th>
<th>TITLE</th>
<th>Proposed New Monthly</th>
<th>Effective Date</th>
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# Proposed Performance-Based Executive Salary Adjustments

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