BOARD OF REGENTS’ MEETINGS

Date: October 19, 2006
Time: 10:00 a.m. (or immediately following the meeting of the Committee on Community Colleges)
Place: University of Hawai‘i at Hilo
University Classroom Building (UCB), Room 127
200 West Kawili Street
Hilo, HI 96720-4091

AGENDA

I. Call Meeting to Order

II. Approval of Minutes of the Meeting of September 21-22, 2006.

III. Public Comment Period ¹: Individuals may present testimony on matters on the Board of Regents’ agenda either during 1) the Public Comment Period or 2) when the agenda item is being discussed by the Board. Written testimonies will also be accepted. Those who wish to address the Board must sign up at the meeting. Individuals who intend to testify are encouraged to inform the Secretary of the Board in advance of the meeting but no later than two (2) days prior to the meeting by calling 956-8213.

IV. Report of President

V. University of Hawai‘i Foundation Report

VI. Agenda Items, Public Session ²
University of Hawai‘i Community Colleges
1. Reorganization of Leeward Community College

University of Hawai‘i at West O‘ahu
None

University of Hawai‘i at Hilo
2. Change of Status from Provisional to Established: Administration of Justice, Bachelor of Arts, University of Hawai‘i at Hilo
3. Change of Status from Provisional to Established: Geology, Bachelor of Arts, University of Hawai‘i at Hilo

Footnotes:
¹ Guidelines: In fairness to all who wish to address the Regents, each speaker should abide by the time allotted. The Board will generally allow up to three minutes per speaker depending on the number of those wishing to testify.
² The Board will recess the public session at approximately 12:00 noon and reconvene at approximately 1:00 p.m. Agenda item(s) not completed by approximately 5:00 p.m. on Thursday will be taken up at 9:00 a.m. on Friday, October 20, 2006.
Board of Regents' Meetings (Continued)

University of Hawai‘i at Mānoa

4. Terminate Master of Arts Programs in German, Classics and Russian, College of Languages, Linguistics and Literature, University of Hawai‘i at Mānoa
5. Frear Hall Development Agreement

University of Hawai‘i System

6. Approve Legislative Proposals for 2007 Legislature
7. Proposed Revisions to BOR Executive and Managerial Personnel Policies
8. Board Policy on Self Evaluation
9. Assignment of PricewaterhouseCoopers Audit Services Contract to Accuity
10. Approval of Indemnity Provision for Research Grant

VII. Gifts, Grants and Contracts - For Board Action (Attachments #2 and #3)

VIII. Appointments, Changes in Appointments, Leaves of Absence, Promotion, Tenure, Waiver of Minimum Qualifications, Emeritus Titles, Shortening of Probationary Period, Salary Adjustments, Position Actions, Classification, Pricing, (Attachment #4); Resignations and Retirements of Board of Regents’ Appointees and Civil Service Employees (Attachment #4)

IX. Announcement of Next Meeting of the Board

   Date: November 16-17, 2006
   Place: Maui Community College

X. Executive Session

   Legal and Personnel Matters will be considered in executive session (Attachment #1)

XI. Adjournment
MATTERS TO BE DELIBERATED IN EXECUTIVE SESSION

I. LEGAL MATTERS
A. Honolulu Community College Commercial Aviation Program Partnership
B. Approval of Settlement
C. Assignment of PricewaterhouseCoopers Audit Services Contract to Accuity
D. Board Policy on Self Evaluation
E. Approval of Indemnity Provision for Research Grant

To be discussed in executive session pursuant to HRS § 92-5(a)(3) and consult with the Board’s attorney pursuant to HRS § 92-5(a)(4)

II. PERSONNEL ACTIONS RELATED TO THE FOLLOWING POSITIONS:
A. Emeritus Status for Professor, University of Hawai’i at Hilo
B. Reappointment of Interim Vice Chancellor for Administration, Finance and Operations, University of Hawai’i at Mānoa
C. Appointment of Dean, College of Natural Sciences, University of Hawai’i at Mānoa
D. Reappointment of Interim Dean, College of Arts and Humanities, University of Hawai’i at Mānoa
E. Update on Executive Searches
F. Proposed Revisions to BOR Executive and Managerial Personnel Policies

Personnel actions noticed above will be discussed in an executive session pursuant to HRS § 92-5(a)(2)
GIFTS, GRANTS AND CONTRACTS

The following gifts, grants, and contracts received during the period August 1, 2006 through August 31, 2006 total $53,986,772. The University of Hawai‘i at Hilo received a total of $2,011,444 during the same period.

RESEARCH AWARDS

FROM: DA-Dept of Agriculture

1. DA-Cooperative State Research Service  $69,532
   "Rhabditid Nematodes and Antagonists in Suppression of Plant-Parasitic Nematodes"
   Fallon, Declan  Plant & Environmental
   Use of native soil flora and fauna to control plant-parasitic nematodes. Research will identify beneficial relationships between antagonists for the suppression of nematode pest species.

2. DA-Cooperative State Research Service  $41,536
   "Developing and Improving Tension Based and Capacitance Based Soil Moisture Sensors as Water Management and Irrigation Scheduling Tools"
   Fares, Ali  Natural Resources &
   The purpose of the proposed research is to further investigate non-specific effects in capacitance based soil moisture sensors in order to more effectively correct for them in the field. In addition, alternative methods of estimating soil moisture will be investigated which may have a more direct relationship to the bioavailability of water in the soil.

3. DA-Cooperative State Research Service  $37,912
   "Understanding the Impacts of Soil Acidity and Associated Toxicities of Aluminum and Manganese on Acacia Koa Root Symbioses and Tree Growth"
   Habte, Mitiku  Tropical Plant & Soil Science
   Reforestation of former sugarcane lands by leguminous tree species like Acacia koa is limited by low pH, toxicities of Al, Mn, and deficiencies of P, Ca, and Mo. We propose to overcome these limitations through the use of tolerant genotypes of A. koa, arbuscular mycorrhizal fungi and bradyhizobia.

4. DA-Cooperative State Research Service  $59,710
   "Disease Spread, Transmission, Virulence and Competition: Further Studies on Banana Bunchy Top Virus in Hawaii"
   Hooks, Cerruti R R  Plant & Environmental
   Conduct field and laboratory studies to learn more about the epidemiology of banana bunchy top disease and its vector so that additional integrated management strategies can be developed for managing this disease in bananas.

5. DA-Cooperative State Research Service  $65,772
   "Field Evaluation of Genetically Engineered Banana Plants for BBTV Resistance in HI"
   Hu, John  Plant & Environmental
   Transgenic banana plants will be produced and tested for resistance to BBTV in greenhouse experiments. The best ones will be selected for further evaluation in field experiments.
6. DA-Cooperative State Research Service $45,074
   "An Integrated Approach for the Quality Improvement of Guava Puree and Kava Beverages by a Non-Thermal Dense Phase Carbon Dioxide Pasteurization"
   Huang, Alvin S Human Nutrition, Food & Improve the taste quality and shelf life duration of guava puree and kava beverages with a newly developed cold pasteurization method, the dense-phase carbon dioxide processing.

7. DA-Cooperative State Research Service $51,584
   "Title: Toward Organic Farming: Using Animal & Green Manures…"
   Hue, Nguyen V Tropical Plant & Soil Science Using animal, green manures and manure-based composts to improve soil quality and crop productivity. Organic farming systems will be studied.

8. DA-Cooperative State Research Service $26,949
   "A Practical Phenotypic Marker for Early Determination of Sex in Papaya Seedlings"
   Manshardt, Richard M Tropical Plant & Soil Science Using genetic engineering methods, an appropriate plant-derived natural pigment gene will be linked to the gene that controls sex in papaya plants. This will allow the identification of commercially valuable hermaphrodite plants and the elimination of unwanted female plants by visual inspection of germinating seedlings.

9. DA-Cooperative State Research Service $64,979
   "Natural Enemies of Invasive Tephritid Fruit Flies: Evaluation of New Candidate Species"
   Messing, Russell H Plant & Environmental This study aims to enhance fruit fly biological control through the introduction and evaluation of safe and effective new parasitoid species.

10. DA-Cooperative State Research Service $76,285
    "Varietal Variation in Papaya Fruit Softening and its Inheritance"
    Paull, Robert E Tropical Plant & Soil Science Slow ripening papaya lines will be studied to determine how many genes are involved in control this trait. Molecular markers will be isolated that can be used to isolate the gene involved in this trait.

11. DA-Cooperative State Research Service $120,000
    "TPSS Critical Research Needs: Sustainable Farming Systems in Hawaii"
    Paull, Robert E Tropical Plant & Soil Science Development management strategies that optimize that human health value and flavor of short cycle crops by exploiting the links between secondary plant metabolism and biological farming practices.

12. DA-Cooperative State Research Service $70,728
    "A DNA Barcode Database for Invasive and Native Plant Species Identification in Hawaii"
    Presting, Gernot Molecular Biosciences & Identify DNA marker for use in invasive plant species identification. Generate sequence data from a number of invasive and native plant species to generate a framework for the identification of unknowns.
13. DA-Cooperative State Research Service $44,871
"Assessment of Veterinary Antibiotics, Hormones, and Pathogens in Animal Wastes and their Fate and Transport in Tropical Soils"
Ray, Chittaranjan Water Resource Research
In this project, we will evaluate the fate and transport of selected antibiotics, hormones, and pathogens in three Hawaii soils.

14. DA-Cooperative State Research Service $68,845
"Empirical Evaluation of the Target and Non-Target Impacts of Biological Control Introductions on Native Moths and their Threatened Sister Taxa"
Rubinoff, Daniel Plant & Environmental
Non target impacts of introduced biological control agents have been implicated in the decline of native Hawaiian insects and future introductions have been severely curtailed. This project quantitatively examines the impact that introduced agents have on non-target endemic insects and will help improve the safety of future biological control introductions.

15. DA-Cooperative State Research Service $87,819
"An Integrated Approach for Efficient Production of Plant-Derived Antibodies"
Su, Wei-Wen W Molecular Biosciences &
Develop a novel plant-based recombinant-protein production process that addresses both cost and containment issues.

16. DA-Cooperative State Research Service $62,565
"Best Management Practices for the Remediation of Former Sugarcane and Pineapple Lands for Sustainable Livestock Production in Hawaii"
Thorne, Mark Human Nutrition, Food &
The project is designed to determine the most efficient method to convert former sugarcane and pineapple lands into sustainable grazing systems. Work will center around the evaluation of a series of treatments with lime, nitrogen fertilizer, seeding of a forage legume, and razing pressure to direct the development of desirable forage base or livestock production.

17. DA-Cooperative State Research Service $325,325
"Hawaii Floriculture Research Grant - 2006"
Vincent, Douglas L Coll, Trop Ag & Human Res
The floral and nursery crops industry in Hawaii, particularly in cut flowers, orchids and foliage is one of the fastest growing sectors of Hawaii's diversified agriculture. To remain competitive, problems and challenges facing Hawaii's floriculture industry are addressed through the research and development funded by this grant.

18. DA-Cooperative State Research Service $59,016
"Growth Hormone Receptor DNA Polymorphisms and their Associations with Growth Traits in Grass-Fed Cattle Populations."
Yang, Jinzeng Human Nutrition, Food &
The genetic association between the several GHR markers and growth traits will be evaluated in grass-fed cattle populations, and their possible applications to cattle growth trait selection will be analyzed. Further experiments will be developed to study the effects of different GHR genotypes on mRNA and IGF-I mRNA expressions in growing calves.
19. DA-Dept of Agriculture
"Ecological Assessment and Economic Feasibility of a Practical Strategy for Regenerating Koa Forests in Hawaii"
Borthakur, Dulal Molecular Biosci & Biosyst
This project will develop a practical strategy for maximizing koa regeneration in areas, which are currently infested with kikuyu grass. This strategy utilizes a grass-selective herbicide for suppression of this invasive grass and a starter fertilizer for stimulating koa regeneration.

20. DA-Dept of Agriculture
"Patterns and Prediction of European Weed Invasions Along a Tropical to Alpine Environmental Gradient in Hawaii"
Daehler, Curtis C Botany
The proposed research will determine elevation ranges of European weeds across a range of habitats on the island of Hawaii and in Europe in order to test predictive models for invasions.

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

22. DA-Dept of Agriculture
"Agricultural Postharvest, Value-added Products and Processing Program"
Hashimoto, Andrew Coll, Trop Ag & Human Res R-9

23. DA-Dept of Agriculture
"Minor Use Pesticide Research - Western Region IR-4"
Kawate, Michael K Plant & Environmental To implement and conduct field research trials (efficacy and residue) to support the registration of pesticides in various crops.

24. DA-Dept of Agriculture
"Effective Strategies for Sustainable Vanilla Production in Hawaii"
Uchida, Janice Y Plant & Environmental Determine the causes of Vanilla diseases and develop disease prevention and control measures using cultural and chemical methods.

25. DA-Dept of Agriculture
"Environmental Effects of Tephritid Fruit Fly Eradication and Control"
Vincent, Douglas L Coll, Trop Ag & Human Res R-9

26. DA-Dept of Agriculture
"Development of Unique Molecular Markers for Rapid Identification of Potentially Invasive Weeds in Hawaii"
Wieczorek, Anna Tropical Plant & Soil Science
This project will develop molecular markers to identify invasive weeds from closely related and morphologically similar desirable species.
### Attachment #2 - Board of Regents' Meeting, 10/19/06

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

<table>
<thead>
<tr>
<th>#</th>
<th>Sponsor</th>
<th>Project Title</th>
<th>Investigator(s)</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>National Institutes of Health</td>
<td>&quot;Brain Activation in Patients with Early HIV Dementia&quot;</td>
<td>Chang, Linda</td>
<td>$362,710</td>
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<td></td>
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<td>School of Medicine</td>
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<td>To determine the effects of aging and HIV infection, and their interaction, on brain chemistry and function, using advanced MRI techniques.</td>
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<td>2</td>
<td>National Institutes of Health</td>
<td>&quot;Transcriptional and Physiological Analysis of Cardiac HIF1&quot;</td>
<td>Shohet, Ralph</td>
<td>$346,000</td>
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<td>Medicine- MED</td>
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<td>We will identify the immediate downstream targets of HIF-1 transcriptional activation in vivo; measure the contribution of carbohydrates, long chain fatty acids and other substrates to energy production in the heart with HIF-1 over expression, define the engiogenic effects of HIF-1 over expression in the heart.</td>
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<tr>
<td>3</td>
<td>National Institutes of Health</td>
<td>&quot;Genetic Analysis of Signaling by Cardiac Endothelin-1&quot;</td>
<td>Shohet, Ralph</td>
<td>$8,510</td>
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<td>Medicine- MED</td>
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<td>The development of a mentoring group of established investigators, to support the careers of promising young investigators. The enhancement of infrastructure support through the development of laboratory core facilities, administrative support and resources. The development of a strategic plan to assist in the recruitment of talented young faculty.</td>
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<td>4</td>
<td>NIH-Natl Cancer Institute (NCI)</td>
<td>&quot;Soy Consumption and Breast Tissue Proliferation&quot;</td>
<td>Maskarinec, Gertraud</td>
<td>$216,969</td>
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<td>Cancer Research Center</td>
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<td>This project will investigate the relation between soy intake during different stages of life and markers of proliferation in cancerous and normal breast tissue from breast cancer cases and from healthy women.</td>
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<td>5</td>
<td>NIH-Natl Cancer Institute (NCI)</td>
<td>&quot;University of Guam/Cancer Research Center of Hawaii Partnership&quot;</td>
<td>Vogel, Carl-Wilhelm</td>
<td>$241,310</td>
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<td>Cancer Research Center</td>
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<td>The University of Guam and the Cancer Research Center of Hawaii is engaged in a long-term partnership of mutual benefit in the area of cancer research, cancer training, career development and cancer outreach.</td>
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<td>6</td>
<td>NIH-Natl Center for Research Resources (NCRR)</td>
<td>&quot;Pacific Research Center for Early Human Development (PRCEHD)&quot;</td>
<td>Ward, Kenneth</td>
<td>$2,091,215</td>
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<td>School of Medicine</td>
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<td>The major goal of this proposal is to establish a center of research excellence in early human development that will 1) further augment and strengthen research capacity, 2) mentor junior investigators, 3) attract other investigators to complement the specific research area, 4) contribute to the reduction of health disparities in early human development in Hawai'i.</td>
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</tbody>
</table>
7. NIH-Nat'l Heart, Lung & Blood Institute
"Transcriptional and Physiological Analysis of Cardiac HIF1"
Shohet, Ralph Medicine- MED
We will identify the immediate downstream targets of HIF-1 transcriptional activation in vivo; measure the contribution of carbohydrates, long chain fatty acids and other substrates to energy production in the heart with HIF-1 over expression, define the angiogenic effects of HIF-1 over expression in the heart.

8. NIH-Nat'l Inst of Allergy & Infectious Diseases
"Hawaii ACTU - Adult Therapeutic Clinical Trials Program"
Shikuma, Cecilia M School of Medicine
To test various experimental HIV drug therapies and regimens on human subjects.

9. NIH-Nat'l Inst of Allergy & Infectious Diseases
"Pregnancy-Associated Hormones and Immunity to Malaria"
Taylor, Diane Wallace Trop Med - Med Micro- MED
To determine how hormones in pregnant women alter their immune response to the parasite that causes malaria. Also, to determine if malarial parasites induce hormones that cause women to have premature deliveries. The project includes laboratory-based studies in the USA using samples already collected and at the University of Yaounde.

10. NIH-Nat'l Inst of Neurological Disorders & Stroke
"Autonomic Function/Insulin Resistance/Multiethnic Populations"
Grandinetti, Andrew Pacific Biosciences Research
The aim of this research project is to investigate the relationship of insulin resistance and autonomic function in a population-based, multiethnic study.

11. NIH-Nat'l Inst of Neurological Disorders & Stroke
"Development of Gene Transfer Approaches for NeuroAIDS"
Lu, Yuanan Public Health Sciences
To test for the potential use of primary monocytes/macrophages as a gene transfer vehicle to deliver anti-HIV tat gene into the central nervous system and such transgene expression in the brain for combating neuroAIDS using laboratory mouse as a in vivo model system.

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

FROM: DOC-Dept of Commerce
1. DOC-National Oceanic & Atmospheric
"Remote Autonomous Acoustic Monitoring of Coral Reef Environment"
Au, Whitlow Haw Inst Marine Bio-SOEST
Fabricate remote acoustic recorder, deploy them and analyze the acoustic data received over a period up to 6-months.
2. DOC-National Oceanic & Atmospheric  
"Economic Analytical Support for Fishery Management Actions"  
Leung, Ping S  
Molecular Biosciences & 
To train a graduate student to work with the agency’s economist to conduct economic impact analyses of proposed and alternative fisheries management measures.  
$22,000

3. DOC-National Oceanic & Atmospheric  
"Fisheries Oceanography: Synthesis of Historical Data and Research Results on Sea Turtle Bycatch Reduction in Longline Fishing"  
Schroeder, Thomas A  
JIMAR - SOEST  
The proposed work involves analysis and synthesis of bycatch data from historical fishery surveys and fishery monitoring, and research from previous and ongoing studies of sea turtle interaction and release from fishing gear.  
$168,441

4. DOC-National Oceanic & Atmospheric  
"Applications of Satellite Ocean Remote Sensing to Living Marine Resources (Ocean Remote Sensing)"  
Schroeder, Thomas A  
JIMAR - SOEST  
To develop and integrate information derived from analyses of satellite oceanographic data into population dynamics research.  
$95,920

5. DOC-National Oceanic & Atmospheric  
"Western Pacific Fishery Information Network Project (WPacFIN)"  
Schroeder, Thomas A  
JIMAR - SOEST  
Provide technical and operational support for supplying timely, accessible, and high-quality fisheries data and information to fisheries scientists, researchers, and managers within JIMAR, UH, NMFS, and the Western Pacific Regional Fisheries Management Council.  
$323,000

6. DOC-National Oceanic & Atmospheric  
"Fisheries Oceanography: Analysis on Bycatch by U.S. Pacific Island Fisheries"  
Schroeder, Thomas A  
JIMAR - SOEST  
Work will involve the assisting in the compiling of data from the different fisheries and understanding how the data is derived, determining the most appropriate statistical methodology for estimating bycatch and protected species interactions for specific fisheries and species.  
$75,000

7. DOC-National Oceanic & Atmospheric  
"Ho’okahuahou III"  
Smith, Celia M  
Botany  
This proposal continues efforts to control alien algae on reefs on Hawaii, raise native grazers and outplant native algae on to reefs, as well as continued outreach efforts to the community.  
$140,539

8. DOC-National Oceanic & Atmospheric  
"Hawaii Undersea Research Laboratory Annual Funding Proposal: PHASE II"  
Wiltshire, John C  
HURL - SOEST  
This proposal provides PHASE II funding for the Hawaii Undersea Research Laboratory from April 1 through September 30, 2006. Covered under this proposal are: salaries for staff, travel for research collaboration and latest technical information, and submersible operations involving the Pisces IV, Pisces V, ROV, and RV Ka’imikai-o-Kanaloa.  
$2,060,515
9. **DOC-Nat'l Marine Fisheries Service**
   "Expand the Rare Corals Holding Capability for Montipora Dilatata and Create a Husbandry Tank for the Inarticulate Brachiopod Lingula Reevii"
   Rossiter, Andrew  Waikiki Aquarium
   To propagate at the Waikiki Aquarium, rare Hawaiian corals for research and conservation purposes, with a view towards potential reintroduction into the wild. To propagate at the Waikiki Aquarium, and extremely rare Hawaiian crustacean, with the ultimate target of achieving captive breeding and reintroduction into the wild.

10. **DOC-Nat'l Marine Fisheries Service**
    "Marine Resource Dynamics and Assessment Program (MARDAP): Economics of Fisheries Initiative"
    Schroeder, Thomas A  JIMAR - SOEST
    To compile a comprehensive social and community profile of the longline fishing industry of Hawaii and to compile a profile of Hawaii Fishing communities associated with the longline fishing industry.

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

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

13. **DOC-Nat'l Marine Fisheries Service**
    "Data Administration of Pelagic Fisheries Data"
    Schroeder, Thomas A  JIMAR - SOEST
    To continue and supplement the swordfish and Highly Migratory Species (HMS) research work as part of the Fisheries Information System (FIS) initiative.

14. **DOC-Western Pacific Region Fisheries Mgmt**
    "Ecological Impacts of Carijoa riisei on Black Coral Habitat"
    Grigg, Richard W  Oceanography - SOEST
    Supplemental funding in support of two HURL dives in the Au'au Channel in October, 2006. Analysis of video data, optical data, and biological samples taken during the science cruise.

15. **DOC-Western Pacific Region Fisheries Mgmt**
    "False Killer Whale Echolocation Experiments to Reduce Long-Line Bycatch"
    Nachtigall, Paul E  Haw Inst Marine Bio-SOEST
    False killer whales have been caught on tuna long lines while taking the caught fish from the hooks. Taking these fish destroys the catch for the fishermen and creates a risk for the whales. This work will evaluate the effectiveness of devices designed to disrupt the echolocation of killer whales that are to be placed on fishermen's lines.
FROM: DOD-Dept of Defense

1. DOD-Dept of Air Force $4,100
   "Operations and Management of the Maui Supercomputing Center"
   Lassner, David K       Info Technology Services
   Cost reimbursement award term contract for research, development operation and management of the Maui Supercomputing Center.

2. DOD-Dept of Air Force $67,706
   "Operations and Management of the Maui Supercomputing Center"
   Lassner, David K       Info Technology Services
   Cost reimbursement award term contract for research, development operation and management of the Maui Supercomputing Center.

3. DOD-Dept of Air Force $9,230
   "Operations and Management of the Maui Supercomputing Center"
   Lassner, David K       Info Technology Services
   Cost reimbursement award term contract for research, development operation and management of the Maui Supercomputing Center.

4. DOD-Dept of Air Force $2,390,400
   "Operations and Management of the Maui Supercomputing Center"
   Lassner, David K       Info Technology Services
   Cost reimbursement award term contract for research, development operation and management of the Maui Supercomputing Center.

5. DOD-Dept of Air Force $100,260
   "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.

6. DOD-Dept of Army $50,132
   "Radar Winds in Typhoons"
   Businger, Steven       Meteorology - SOEST
   Oversee further development of the NOAA/UH smart balloon. Participate in field testing of smart balloon in winter storms and hurricanes. Conduct modeling work and outreach related to the project.

7. DOD-Dept of Navy $100,000
   "Radar Remote Sensing of the Mesoscale Flow Through Lombok and Other Straits of the Indonesian Throughflow"
   Flament, Pierre J      Oceanography - SOEST
   Deployment of four high frequency radars to measure surface currents in the coastal zone and straits between Bali and Lomkok, Indonesia, as part of a large coordinated ONR experiment.

8. DOD-Dept of Navy $300,000
   "University of Hawaii Participation in the Hyperspectral Imager for the Coastal Ocean (HICO)"
   Hochberg, Eric        Haw Inst Marine Bio-SOEST
   Establish remote sensing calibration and validation site in Kaneohe Bay and develop high volume data processing and distribution system.
9. DOD-Dept of Navy
   "Basic Hearing and Echolocation Mechanism of Dolphins and Whales: AEP and Behavioral Experiments"
   Nachtigall, Paul E Sch Ocean,Earth Sci & Tec
   Work on basic hearing mechanisms of dolphins and whales using behavioral and electrophysiological experiments.

FROM: DOE-Dept of Energy

1. DOE-Dept of Energy $1,700,000
   "Hawaii-New Mexico Sustainable Energy Security Partnership - Hawaii, Phase I"
   Rocheleau, Richard E Haw Nat Energy Inst -SOEST
   The Hawaii-New Mexico Sustainable Energy Security Partnership will assess the electric and transportation infrastructure for the Big Island, identify sites for electric microgrid studies, test and evaluate distributed energy generation and storage technologies, and address policy issues to accelerate implementation of renewable technologies.

2. DOE-Dept of Energy $61,496
   "Predictability and Diagnosis of Low Frequency Climate Processes in the Pacific"
   Schneider, Niklas Oceanography - SOEST
   Investigate processes modulating El Nino using output from coupled ocean atmosphere models.

3. DOE-Dept of Energy $37,300
   "Development of a Photodetector Read Out Monolithic Precision Timing (PROMPT) Device"
   Varner, Gary Physics & Astronomy
   Build and demonstrate the performance of a prototype of the readout electronics based upon waveform sampling techniques developed at the University of Hawaii.

FROM: DOI-Dept of Interior

1. DOI-Fish & Wildlife $186,409
   "Plant Extinction Prevention Program (was 'Oahu Rare Plant Genetic Safety Net')"
   Duffy, David Botany
   Continue and expand the Oahu Genetic Safety Net Program to a statewide effort to preserve samples of endangered native plant species while attempting to preserve wild specimens within their natural habitats.

2. DOI-Geological Survey $77,517
   "Continuation of USGS Co-operative Agreement 04WRAG001"
   Jokiel, Paul L Haw Inst Marine Bio-SOEST
   Conduct research on impact of human activity on Hawaiian coral reefs in collaboration with USGS.

3. DOI-Nat'l Park Service $57,422
   "Environmental Factors Influencing the Growth and Distribution of Crustose Coralline Algae at NPSA"
   Smith, Celia M Botany
   This proposal continues efforts to understand the role of crustose coralline algae on tropical reefs.
FROM: National Science Foundation

1. National Science Foundation  $12,311
   "Subduction Factory Studies in the Southern Mariana Convergent Margin: Side-scan, Geophysical, and Petrologic Investigations"
   Fryer, Patricia               Haw Inst Geophys & Planet
   This supplement request is to support the participation of a graduate student on a research cruise and to support the geochemical analysis of rock samples previously collected in the same region.

2. National Science Foundation  $281,488
   "Surveying Galaxies in the High-Redshift Universe"
   Hu, Esther M                   Institute for Astronomy
   This proposal uses the unique new, large telescopes on Mauna Kea to identify and study the earliest galaxies in the Universe and the conditions under which they form. It requests support for a graduate student, Yuko Kakazu, who is conducting dissertation research in this area.

3. National Science Foundation  $2,960,000
   "Center for Microbial Oceanography: Research and Education (C-MORE)"
   Karl, David M                  Oceanography - SOEST
   To establish a Center for Microbial Ecology of the Global Ocean (C-ME-GO) as a vehicle for rapid progress in the fields of microbial ecology and genomics.

4. National Science Foundation  $867,845
   "Collaborative Research: Hawaii Ocean Time-series: Biogeochemistry and Ecology Component"
   Karl, David M                  Oceanography - SOEST
   To continue our 15-year sampling, ocean time-series program at Station ALOHA, 100 km north of Oahu.

5. National Science Foundation  $568,223
   "A Time-Series Study of Ocean Climate Processes in the North Pacific Subtropical Gyre"
   Lukas, Roger B                 Oceanography - SOEST
   Observe and analyze ocean climate variability at the Hawaii Ocean Time-series site north of Oahu, Hawaii.

6. National Science Foundation  $299,887
   "Ethnobotany Segues to Science"
   McClatchey, Will C             Botany
   The Ethnobotany Segues to Science project will use an existing set of innovative and unique courses as test beds for new curriculum segues modules that will increase the quality of science education in ethnobotany and offer students clear connections to other scientific disciplines.

7. National Science Foundation  $762,281
   "Collaborative Research: Characterization of Benthic Boundary Layer Geochemistry and Physics at the Kilo Nalu Observatory"
   Pawlak, Eugene                 Ocean & Resources
   The proposed research aims to examine the biogeochemical response of the seabed to physical forcing. We propose to develop new methods for estimates of benthic fluxes using an array of physical and chemical sensors deployed over depths of 10-40 m at the Kilo Nalu Observatory.
<table>
<thead>
<tr>
<th>Number</th>
<th>Agency</th>
<th>Project Title</th>
<th>Award Amount</th>
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<tbody>
<tr>
<td>8.</td>
<td>National Science Foundation</td>
<td>&quot;Accomplishment Based Renewal: Magmatic Processes at Mid-Ocean Ridges&quot;</td>
<td>$153,500</td>
</tr>
<tr>
<td></td>
<td>Sinton, John M, Geology &amp; Geophys - SOEST</td>
<td>Study volcanic rocks from mid-ocean ridge environments to determine complete pre-eruptive and eruptive history.</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>National Science Foundation</td>
<td>&quot;A Novel Technique for Corrective Scatter Compensating Telescope Secondary Mirrors&quot;</td>
<td>$131,504</td>
</tr>
<tr>
<td></td>
<td>Tollestrup, Eric, Institute for Astronomy</td>
<td>Project will use state of the art techniques in computer controlled polishing and ion beam milling to manufacture a corrective or scatter compensating secondary mirror that will transform the National Aeronautics and Space Administration Infrared Telescope Facility into a telescope for high dynamic imaging.</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>National Science Foundation</td>
<td>&quot;Hotspots and Global Absolute Plate Motions&quot;</td>
<td>$71,320</td>
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<tr>
<td></td>
<td>Wessel, Paul, Geology &amp; Geophys - SOEST</td>
<td>We will determine plate motions relative to hotspots and examine hotspot drift.</td>
<td></td>
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<tr>
<td>11.</td>
<td>National Science Foundation</td>
<td>&quot;Complete Quality Assessment of NGDC Data&quot;</td>
<td>$59,929</td>
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<tr>
<td></td>
<td>Wessel, Paul, Geology &amp; Geophys - SOEST</td>
<td>This proposal is a renewal to complete the full global quality assessment of the underway geophysical database at the National Geophysical Data Center in Boulder, CO. We will develop tools for crossover error detection and adjustment and make correction tables available via the web.</td>
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<table>
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<tr>
<th>FROM: Nat'l Aeronautics &amp; Space Administration</th>
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</thead>
<tbody>
<tr>
<td>1. Nat'l Aeronautics &amp; Space Administration</td>
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<tr>
<td>&quot;Sedimentary and Climate History of Mars Based on the Characteristics of the Impact Crater Depth and Tim Diameter Relationships&quot;</td>
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<tr>
<td>Boyce, Joseph, Haw Inst Geophys &amp; Planet</td>
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<tr>
<td>Development of climate history of Mars from the erosional effects on impact crater shapes produced by different past climates. Various regions will be investigated that show geomorphic evidence of climate change (e.g., valley networks) in order to test and update existing climate models. Information about the past climate in each region will be combined into a model for the history of climates on Mars.</td>
</tr>
<tr>
<td>2. Nat'l Aeronautics &amp; Space Administration</td>
</tr>
<tr>
<td>&quot;Measurement and Analysis of Aerosol Physio-chemistry and Optical Properties in Support of AURA and the NASA INTEX (A,B) Missions&quot;</td>
</tr>
<tr>
<td>Clarke, Antony D, Oceanography - SOEST</td>
</tr>
<tr>
<td>3. Nat'l Aeronautics &amp; Space Administration</td>
</tr>
<tr>
<td>&quot;ANITA Antarctic Impulsive Transient Antenna: A Long Duration Balloon Mission&quot;</td>
</tr>
<tr>
<td>Gorham, Peter W, Physics &amp; Astronomy</td>
</tr>
</tbody>
</table>
4. Nat'l Aeronautics & Space Administration  
"Detailed Investigations of Mars' Surface Mineralogy and Geology Using Visible to Infrared Data"
Hamilton, Victoria  
Haw Inst Geophys & Planet  
The proposal is to support a graduate student and the PI to perform analysis of infrared data of the Martian surface collected by ongoing NASA orbital missions.

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

6. Nat'l Aeronautics & Space Administration  
"SAM Project"
Owen, Tobias  
Institute for Astronomy  
To support the pre-launch phase of the SAM Project, particularly the analysis of atmospheric composition and the relationship of the atmosphere to the surface.

FROM: Nat'l Endowment for the Humanities

1. Nat'l Endowment for the Humanities  
"Critical Edition of the Works of Shenoute"
Crislip, Andrew  
Religion  
The Critical Edition of the Works of Shenoute will produce the first complete text and translation of the collected writings of Shenoute of Atripe (AD 385-465), the greatest writer in the Coptic language, the last written form of ancient Egyptian.

FROM: Hawaii- Government Agencies

1. City and County of Honolulu  
"City and County of Honolulu Beach Hazard Website"
Fletcher, Charles H  
Geology & Geophys - SOEST  
Development of a beach hazard website with maximum exposure to improve visitor and local awareness of ocean hazards.

2. Hawaii-Civil Defense Division  
"Tsunami Forecast and Inundation Map for Hawaii"
Cheung, Kwok F  
Ocean & Resources  
Develop tsunami forecast capability and inundation map for Hawaii.

3. Hawaii-Dept of Land & Natural Resources  
"Maui District Endangered Species Research"
Duffy, David  
Botany  
Continue research and monitoring of endangered seabirds on Lanai and Maui, currently supported under the DLNR-funded project "Statewide Wildlife Conservation Program Coordination and Implementation."

4. Hawaii-Dept of Land & Natural Resources  
"Endangered Maui Forest Bird Population Research and Management: Ph 11"
Duffy, David  
Botany  
Continue research and adaptive management of endangered Maui forest birds.
5. Hawaii-Dept of Land & Natural Resources  $75,000  
"Statewide Watershed Partnership Support Program"  
Duffy, David  Botany  
Continue support of statewide watershed partnership support program currently supported under the DLNR-funded Natural Area Reserves program. This program provides strategic planning and coordination of efforts to the watershed partnerships statewide.

6. Hawaii-Dept of Land & Natural Resources  $942,500  
"Natural Area Reserves Management"  
Duffy, David  Botany  
Continue support for research and management of Hawaii’s Natural Area Reserve System.

7. Hawaii-Dept of Land & Natural Resources  $62,000  
"Watershed Protection and Threat Control in the East Maui Watershed"  
Duffy, David  Botany  
Continue support of adaptive management of East Maui Watershed. (This is being submitted as a "new" proposal to DLNR because it is a new grant source and different DLNR project manager from previous award.)

8. Hawaii-Dept of Transportation  $288,839  
"Characterization of Voids and Other Subsurface Deficiencies by Geophysical Methods"  
Brandes, Horst  Civil and Environmental  
Purchase and calibrate geophysical instrumentation to assess roadway subgrade cavities and other soil deficiencies.

9. Hawaii-Dept of Transportation  $134,217  
"Enhanced Hydraulic Design for Highway Bridges and Culverts"  
Teng, Michelle H  Civil and Environmental  
This project will involve both laboratory and field studies on selected bridges and culverts in Hawaii. The main objective is to improve the current design manuals used by design engineers nationwide for bridge and culvert design by adding more specific factors that are unique to Hawaii's streams and watershed.

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

1. Hawaiian Silversword Foundation  $8,304  
"Keauhou Ranch Restoration: Supplement"  
Duffy, David  Botany  
Supplement to continuing project to restore native forest areas of Keauhou Ranch.

2. HCF-Hawaii Community Foundation - General  $50,000  
"Mechanism of Cleft Palate Foundation in CL/Fr Mice"  
Lozanoff, Scott  Anatomy- MED  
Bioscience research amid at identifying mechanisms cleft palate in a mouse model.

3. HCF-Hawaii Community Foundation - General  $50,000  
"Unknown Functions of the Sry Gene"  
Ward, Monika  Anatomy- MED  
The goal of this application is to determine whether the testi-determining gene, Sry, is affecting sperm function in fertilization.
4. HCF-Leahi Trust
"Pre-B Cell Colony-Enhancing Factor (PBEF/Visfatin) in Neonatal Lung Maturation"
Kendal, Claire  Pacific Biosciences Research
We will test by adding Pre-B-Cell Colony-enhancing factor to lung cells how this protein affects maturation. We will also stretch the lung cells to test if this protein is stretch responsive. We will then correlate the results of these experiments with observations from neonatal human tissues with lung dysfunction.

5. Tri-Isle Resource Conservation & Development
"Threat Abatement in Haiku Uka, East Maui"
Duffy, David  Botany
Continue adaptive watershed management, focusing on Haiku Uka.

FROM: Hawaii- Business and Other

1. ABR, LLC $20,000
"Efficacy of Liquid Compost Factor (LCF) to Enhance Growth of Tropical Crops, Ornamentals and Bedding Plants"
Uchida, Janice Y  Plant & Environmental
Tropical crops and ornamentals grown in Hawaii are subject to high production costs. Requiring more water, labor, and pesticides to maintain and control insects and diseases. The Liquid Compost Factor will be used to determine if pre-soaking plant material decreases the time needed to establish and produce the crop.

2. Hawaii Farm Bureau Federation $5,450
"A Dryer Utilizing a Heat Pump Dehumidifier as an Energy Source for Estate Coffee Production"
Gautz, Loren D  Molecular Biosciences & Set-up, test, and modify as needed an automatic layer dryer for coffee with drying air provided by a heat pump dehumidifier. Establish design and installation guidelines to be published as Cooperative Extension Bulletins.

3. Hawaii Farm Bureau Federation $22,985
"Maximizing the Use of Local By-Products Feed to Reduce Cost, Reduce Environmental Impact and Enhance Value of Local Industry: A Dairy Industry …"
Lee, Chin N  Human Nutrition, Food & The project proposes to develop methods to increase the use of wheat millings as dairy feed and to monitor the animal response.

4. Hawaii Farm Bureau Federation $9,060
"Determining the Quality and Shelf-Life of Imported and Local Milk in Hawaii"
Lee, Chin N  Human Nutrition, Food & The project proposes to evaluate and culture bacteria colonies in milk produced locally and imported and compared the results as an indicator for spoilage. Milk will be purchased at retail and samples taken for such analyses/culture with the "pull date" as the reference point.

5. Hawaii Farm Bureau Federation $28,985
"Optimal Field Management Strategies for Rambutan, Lychee, Longan, Durian and Mangosteen"
Nagao, Mike A  Tropical Plant & Soil Science
Research will develop information on fertilizer requirement for lychee, longan and rambutan and on production cycles and potential yields of durian and mangosteen trees grown under Hawaii conditions.
6. Hawaii Farm Bureau Federation
"Investigations into Tree Dieback and Decline and Field Management Strategies to Alleviate the Problem"
Nagao, Mike A Tropical Plant & Soil Science
Research will develop information on the causes for tree decline in the orchard and solutions to prevent or alleviate the problem.

7. Hawaii Farm Bureau Federation
"Establishment of Blueberry Variety Trials for Hawaii"
Nakamoto, Stuart T Human Nutrition, Food & Requested funds will be used to establish blueberry variety trials at the UH-CTAHR Mealani and Lalamilo Research Station.

8. Hawaii Farm Bureau Federation
"Control and Management of the Macadamia Felted Coccid"
Wright, Mark G Plant & Environmental
Monitor macadamia felted coccid populations and develop effective management, including classical biocontrol.

FROM: Mainland- Business

1. Carnegie Corporation of New York
"PLUME: Imaging the Hawaiian Hotspot and Swell"
Wolfe, Cecily J Haw Inst Geophys & Planet
Study the Earth's mantle structure in Iceland and Hawaii.

2. EOIR Technologies
"Support for Airborne Hyperspectral Imager (AHI) Data Collection"
Lucey, Paul Haw Inst Geophys - SOEST
Provide all hardware and operational support for ground based data collection

3. Genentech, Inc
"CRCH 0503: [Genentech No. OSI3364g) Phase III, Multicenter, Placebo-controlled, Double-Blind, Randomized Clinical Trial to Evaluate the Efficacy of…"
Issell, Brian F Cancer Research Center
Cancer patients are referred to the study and will have their medical records reviewed by a Clinical Research Associate (CRA), who will review eligibility criteria, assist in consenting patients, patient registration, treatment and follow-up data and specimen submission data and complete data forms to sponsor.

4. Joint Oceanographic Inst Inc (JOI Inc)
"Trace Element Variation in Whole Rocks and Constituent Minerals Formed at a Superfast Spreading Rate"
Ingle, Stephanie Geology & Geophys - SOEST
The IODP Expedition 312 represents the first time in-place oceanic crust that formed at a super fast spreading rate has been drilled. I hope to understand how magma from Earth's mantle moves through the crust, and how it interacts with local crust. I will examine the chemistry of minerals and rocks from rapidly formed oceanic crust to understand their origin and inter-relationship.

5. NeurogesX, Inc
"A Controlled Dose Finding Study of NGX-4010"
Valcour, Víctor G School of Medicine
To test if Protease Inhibitor drugs have an immediate effect on the autonomic nervous system and to test the validity of a questionnaire against actual measured autonomic function scores in people with HIV infection.
6. S.S. Steiner, Inc.  
"Hop Xanthohumol and its Effect on the Metabolic Syndrome"  
Theriault, Andre G  Medical Technology- MED  
Investigation of a plant derived nutrient on cholesterol and glucose metabolism.

7. Triton Systems, Inc  
"Electroactive Polymer Optics"  
Ritter, Joseph M.  Institute for Astronomy  
Mirrors incorporating novel design and electroactive (EA) control will be produced by Triton and supplied with power supplies to UH/IFA to be tested by Principal Investigator.

8. United BioSource Corp  
"A Phase 3B Randomized, Open-Label, Parallel Group, Multicenter Trial Assessing the Efficacy of Exubera Vs. Lispro Introduced into a Lantus-based Regim"  
Arakaki, Richard F  Medicine- MED  
This study is designed to test the effectiveness of the drug Exubera added to Lantus vs. Lispro & Lantus to patients with uncontrolled diabetes who are already taking Lantus.

FROM: Mainland- Health Organizations

1. American Lung Association  
"Transcriptional Regulation of Caveolin-1 and -2 in Human Lung Fibroblasts"  
Jourdan-Le Saux, Claude  Pacific Biomed Rsrch Cntr  
The overall objective of this study is to identify the pro-inflammatory mediators that downregulate caveolin gene expression, consequently leading to the loss of caveolae expression in lung fibroblasts.

FROM: Mainland- Other

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

2. Alaska SeaLife Center  
"Contaminant Burdens and Protein Responses in Alaskan Steller Sea Lion and Northern Fur Seal"  
Li, Qingxiao  Molecular Biosciences & Conduct analysis of proteins to detect biological response to contaminants in tissues of harbor seals and Steller sea lions.

3. AmericaView  
"StateView Program Development and Support for the State of Hawaii"  
Wright, Robert  Haw Inst Geophys & Planet  
Promoting the use of satellite remote sensing in the State of Hawaii through education, research, outreach and technology transfer; archive satellite data relevant to the State of Hawaii.
4. Incorp Rsrch Institutions for Seismology (IRIS) $5,000
"GSN Hawaii"
Butler, Rhett Haw Inst Geophys & Planet
Global seismographic network research in Hawaii.

5. Jet Propulsion Lab $30,000
"Sea Level Trends and Fluctuations: Corrections for Land Motion"
Merrifield, Mark A JIMAR - SOEST
Provide in situ sea level measurements corrected for vertical land motion, which are used to monitor temporal drifts in satellite observation.

6. Jet Propulsion Lab $11,311
"Investigating Midlatitude Ocean and Climate Dynamics using Satellite Altimetry and Modeling Analysis"
Qiu, Bo Oceanography - SOEST
The goal of this proposed study is to characterize and understand the nature and causes of the large-scale fluctuations in the midlatitude North and South Pacific Oceans on time scales from interannual to decadal. A clarification of these fluctuations will lead to increased predictability of the upper ocean circulation and thermal structures, both of which are crucial to our understanding of the climate variability on longer time scales.

7. Jet Propulsion Lab $62,040
"Orographically Induced Ocean-Atmosphere Interaction: Satellite Observations and Numerical Modeling"
Xie, Shang-Ping Meteorology - SOEST
Conduct analysis of observations by the QuickSCAT and other NASA satellite observations for a better description and understanding of ocean-atmosphere interaction and climate.

8. Smithsonian Astrophysical Observatory $18,408
"The Non-potential Structure of Active Regions"
Li, Jing Institute for Astronomy
Data taken at the Mees Solar Observatory on the Imaging Vector Magnetograph will be reduced by the PI and shared with the other project members to refine the modeling methods to construct Nonlinear Force Free Fields (NLFFF). This in turn will improve the understanding of the solar magnetic field.

9. Space Telescope Science Institute $106,142
"Securing the Faint-End Galaxy Luminosity Function with Surface Brightness Fluctuation Distances (HST-GO-10567.01)"
Tully, R Brent Institute for Astronomy
Surface brightness fluctuation measurements give confirmation of group membership and consequently allow the reliable reconstruction of the luminosity function of galaxies in the NGC 1407 group.

FROM: U.S. Universities and Colleges
1. Case Western Reserve University $92,614
"Metabolic Consequences of Thymidine Sparing Regimens"
Gerschenson, Mariana School of Medicine
Perform laboratory assays on sample submitted by Case Western.

2. North Carolina State University $16,032
"A Study of Physical Environmental Factors and Their Association with Leisure-time Physical Activity in Public Parks in Diverse Communities"
Maddock, Jason E  
Public Health Sciences
This grant will assess physical activity in parks in diverse communities using objective measures.

3. Stanford University  
"Investigation of the Global Helioseismic Metrology Algorithm"  
Jefferies, Stuart  
Institute for Astronomy
To investigate the extension of the Global Helioseismic Metrology algorithm.

4. Univ of California - Irvine  
"Factors Influencing the Epidemic Potential of Dengue"  
Bennett, Shannon N  
Trop Med - Med Micro- MED
Dengue virus, causing fever with occasional hemorrhaging, is expanding worldwide, producing more frequent, severe epidemics. This may be due to population growth and/or viral mutations. Using sequence data, we examine evolutionary changes in viruses across replicate epidemics from Asia and the South Pacific to detect the molecular signature of epidemic potential.

5. Univ of California- Los Angeles  
"Morbidity and Mortality Associated with Acute Injuries Following Chiropractic Manipulation of the Cervical Spine"  
Hurwitz, Eric L.  
Public Health Sciences
This project will use diagnostic and E-code data from hospital discharge and death certificate records from California to identify acute injuries and deaths associated with health-care delivery. These data will then be linked to subjects' hospital records and medical examiners'/coroners' reports to specifically identify acute injuries associated with chiropractic spinal manipulation.

6. Univ of New Hampshire  
"Toward Long-Term Tracking of Billfish"  
Holland, Kim N  
Haw Inst Marine Bio-SOEST
To expand and combine two advances in tagging technology in billfish.

7. Univ of Washington  
"Intimate Partner Violence: Perceptions of Samoan Women"  
Magnussen, Lois A  
Nursing
The aim of this research study is to examine cultural perceptions, awareness, responses, and actions recommended about IPV by (Samoan) women who are served by the participating community health center (Kokua Kalihi Valley Comprehensive Family Services) by conducting focus groups.

FROM: All Non-U.S.

1. Eisai Co., Ltd  
"Tocotrienol Mixture in the Amelioration of the Metabolic Syndrome"  
Theriault, Andre G  
Medical Technology- MED
Investigation of vitamin E on fat depositions in diabetes.
2. Nat'l Astronomical Observatory of Japan $299,121
   "Fabrication of the Cryogenic High Contract Optics and Infrared Camera for the Subaru HiCIAO"
   Hodapp, Klaus W Institute for Astronomy
   We propose to fabricate the infrared camera of the HiCIAO instrument for the Subaru Telescope as defined in the detailed design document delivered in February 2006.

FROM: Miscellaneous

1. Center for Tropical and Subtropical Aquaculture $36,732
   "Disease Management in Pacific Aquaculture, Year 12"
   Lewis, Teresa Haw Inst Marine Bio-SOEST
   This is a continuation of work funded for Disease Management in Pacific Aquaculture to continue to develop a vaccine strategy for a ciliated parasite that affects Maine fishes.

2. Center for Tropical and Subtropical Aquaculture $70,000
   "Improving Outputs in the Commercial-Scale Production of Swordtails in Hawaii"
   Tamaru, Clyde S Sea Grant - SOEST
   Develop of technologies for the commercial scale production of homozyous lyretail populations that would ultimately result in an overall increase in product value and on farm profit.

3. Center for Tropical and Subtropical Aquaculture $150,000
   "Bioprocessing Pacific Island By-products for Production of Value Added Feed Ingredients"
   Yang, Ping-Yi Molecular Biosciences &
   Generation of value added products for the effective, economical and sustainable feed ingredients to be used in aquatic feeds by using abundant agricultural by-product wastes through the biological treatment processes.

4. Oceanic Institute-HPU $33,515
   "The Hawaii Offshore Aquaculture Research Project Phase IV: Scale Up to Carrying Capacity in the Offshore Environment"
   Helsley, Charles E Sea Grant - SOEST
   Provide critical environmental data around sea cages operating at full commercial scale to provide information on the carrying capacity of offshore cage operations.

NON-RESEARCH AWARDS

FROM: DA-Dept of Agriculture

1. DA-Cooperative State Research Service $100,000
   "Diabetes Detection and Prevention Project"
   Zee, Julia M Coll, Trop Ag & Human Res
   The Diabetes Detection and Prevention Project will conduct community-based diabetes screening and prevention programs for under-served populations in Hawaii to increase awareness of diabetes and understanding of diabetes health indicators and self-management practices.
2. DA-Dept of Agriculture $387,743
"Project OHANA (Online Health and Academic Network Access)"
Sakamoto, Clyde Maui CC
Requests funds to upgrade existing distance learning centers in rural communities of Hana, Molokai, Lanai. Funds will be used to provide and train select Native Hawaiian students with state-of-the-art laptop computers with voice-over protocol. Funds will also be used to lease equipment that will provide telehealth and telemedicine services to these rural communities.

3. DA-Dept of Agriculture $90,870
"Aquaculture Extension Program"
Tamaru, Clyde S Sea Grant - SOEST
UH Sea Grant College Program's Aquaculture Extension Program serves as a bridge between researchers involved in developing and transferring technologies to Hawaii's aquafarmers. Community outreach and public education are also important components of the aquaculture extension program.

4. DA-Dept of Agriculture $12,242
"Sheep Producers Sustainable Grazing Management Workshop"
Thorne, Mark Human Nutrition, Food &
The objective of the Sheep Producer's Grazing Management Workshop is to provide new and existing sheep producers in Hawaii with information and technology on sustainable sheep grazing and production practices.

5. DA-Natural Resources Conservation Service $13,122
"2006-Mealani Forage Field Day Educational Program"
Thorne, Mark Human Nutrition, Food &
The program has three primary goals: 1) To provide technology and information on development of sustainable forage production systems; 2) To provide information on opportunities and incentives for market development of forage based livestock products; 3) To provide information to producers, processors, retailers, and consumers about the forage based animal production.

FROM: DHHS-Dept of Health & Human Services

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

2. National Institutes of Health $4,320
"Minority Access to Research Careers (MARC U*STAR)"
Chang, Healani K Pacific Biosciences Research
The program objective is increase the number of competitively trained minorities who completed Ph.D's leading to careers in Biomedical Sciences.

3. National Institutes of Health $114,246
"PhD in Clinical Research"
Harrigan, Rosanne School of Medicine
Offer curriculum leading to PhD in Clinical Research.
4. NIH-Natl Cancer Institute (NCI)  
"A Faith-Based Breast Cancer Screening Intervention Among Native Hawaiian Women"  
Kaopua, Lana  
Cancer Research Center  
Develop and evaluate the feasibility of an evidence-informed, faith-based intervention that incorporates breast care messages in the traditional medium of the hai mo'olelo, or the Hawaiian practice of formal story telling intended to instruct and inspire to action.  
$113,301

5. NIH-Natl Cancer Institute (NCI)  
"Culturally Proficient Smoking and Weight Control Treatment"  
Sanchez-Johnsen, Lisa  
Cancer Research Center  
Development and implementation of a community-based dietary, physical activity, body image, and smoking cessation intervention for overweight Latino non-smokers, and smokers.  
$155,145

6. NIH-Natl Center for Minority Health Disparities  
"University of Hawaii Health Disparities Research Endowment"  
Shomaker, Sam  
School of Medicine  
Establish an endowment for health disparities research.  
$312,500

7. NIH-Natl Center for Research Resources (NCRR)  
"Hawaii Science Training and Education Project (HiSTEP)"  
Withy, Kelley  
Dean's Office- MED  
To improve the general public's understanding of and interest in health sciences by increasing health research education and mentoring activities for K-12 students and their teachers.  
$311,323

8. NIH-Natl Inst of Diabetes, Digestive, Kidney  
"Pacific Region Diabetes Education Program"  
Chang, Healani K  
Pacific Biosciences Research  
Short-term research education for minority students to encourage them to pursue research careers in the areas of Diabetes, Nutrition, Obesity, Kidney Disease or metabolic disorders.  
$45,571

9. NIH-Natl Library of Medicine  
"Moblie Access Resource Project (MARP)"  
Jacobs, Joshua L.  
School of Medicine  
The project will build out functionality of the content management system to support access to education administration content and evaluation. Remote (via Personal digital assistant) and desktop access will be enabled. Project outputs will continue to be collected. Institutionalization of the support infrastructure will also take place.  
$131,099

10. PHS-Centers for Disease Control (CDC)  
"Coordinating Center for the National Academic Centers of Excellence on Youth Violence Prevention"  
Mark, Gregory Y  
Psychiatry- MED  
Fulfill the overall objectives of the ACE program by 1) enabling faster development, synthesis and broader dissemination of center specific and cross-center activities and products in youth interpersonal violence research and practice; and 2) serving as a key resource for the efficient national translation of knowledge generated by the program into the health and community practice  
$194,600
11. PHS-Health Resources and Services Admin
"Hawaii/Pacific Basin Area Health Education Center (H/PB AHEC)"
Withy, Kelley  Dean's Office- MED
To improve the health of the underserved through collaborative training initiatives across the Pacific, including nine medical specialties. A region-wide, integrated recruitment to health careers program will be individualized for each Area Health Education Center area, and will feature tiered (or near-peer) mentoring and ongoing program evaluations.

12. PHS-Maternal and Child Health Bureau
"Public Health Certificate in Maternal and Child Health Leadership"
Barufi, Gigliola  School of Medicine
To provide MCH leadership skills training to professionals from underrepresented and geographically isolated populations.

13. PHS-Substance Abuse & Mental Health Services
"2007 Supported Employment Conference"
Altschul, Deborah  Social Science Rsrch Inst
4th Annual Best Practices Conference: Work Works, which will disseminate knowledge about supported employment for those suffering from severe and persistent mental illness.

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

FROM: DOD-Dept of Defense
1. DOD-Nat'l Security Education Program
"University of Hawaii Korean Flagship Program, Overseas Program"
Chaudron, Craig  College of Lang, Ling, & Lit
Continue from Year 2 of project with third cohort of students. Intensive training in advanced and specific-purpose Korean provided to Korean Flagship Program students at Korea University with local internships and specialized study.

2. DOD-Nat'l Security Education Program
"University of Hawaii Korean Flagship Program, Domestic Program"
Chaudron, Craig  College of Lang, Ling, & Lit
Continue from Year 4 of project with fourth cohort of students. Intensive training in advanced and specific-purpose Korean provided to National Security Education Program and UH supported students.
FROM: ED-Dept of Education

1. ED-Dept of Education $219,999
   "The University of Hawaii at Manoa Educational Talent Search Program (METS)"
   Agbayani, Amy Office of Student Affairs
   The University of Hawaii at Manoa Educational Talent Search program will serve 600 participants from 3 schools in the Leeward district of Oahu. Two-thirds of participants will be from low-income families and will be potential first-generation college students. Comprehensive educational support services will be provided to ensure educational success.

2. ED-Dept of Education $231,186
   "Center for Southeast Asian Studies National Resource Center - NRC"
   Andaya, Barbara W SE Asian Studies- SHAPS
   Support for programs in Southeast Asian Studies campus wide including foreign language fellowships.

3. ED-Dept of Education $318,071
   "Linking Quality Teacher Preparation for Higher Achievement in Secondary Science & Mathematics"
   Chattergy, Virgie O College of Education
   Recruit and prepare high quality teachers in science and mathematics from among paraprofessionals, recent graduates, mid-career professionals, and emergency hired teachers.

4. ED-Dept of Education $361,947
   "Educational Talent Search"
   Damon, Kathleen Hawaii CC
   Provide services addressing academic preparedness/personal development to 900 low-income, first generation secondary school students and high school/college dropouts at 10 West Hawaii schools. Increase postsecondary enrollment by impacting completion rates, percentage of students completing admissions/financial and applications, and individuals re-entering postsecondary options.

5. ED-Dept of Education $2,590,600
   "State of Hawaii GEAR UP 84.3345"
   Daniel, Shirley J College of Business Admin
   Increasing the number of low-income students who are prepared to enter and succeed in postsecondary education.

6. ED-Dept of Education $393,683
   Dobry, Thaddeus P Dean's Office - Eng
   Build Native Hawaiian Science & Engineering Mentoring Program through community outreach, recruitment, and retention strategies.
7. ED-Dept of Education  
"Ho'opa'a Technology, Language, and Basic Educational Success for Hawaiian Children and Youth with Disabilities - 84.362A"
Dowrick, Peter W  College of Education  
Hawaiian children and youth with disabilities need basic academics and pride in their culture to succeed. To bridge the existing divide, our project seeks to boost basic education, technology skills, and knowledge of Hawaiian vocabulary through evidence based methods. Three schools and three community programs will collaborate in this 3-year effort.

8. ED-Dept of Education  
"Project Kahuewai Ola: Supporting Native Hawaiian Scholars in the Math and Sciences at UHM - 84.362A"
Gomes, Lenore K  Office of Student Affairs  
Kahuewai Ola will increase the representation, retention, and graduation rates among Hawaiian students in math and science disciplines at UHM. Activities include outreach, scholarship support, peer mentoring, and faculty development.

9. ED-Dept of Education  
"National Resource Center and Foreign Language and Area Studies Fellowships-NRC"
Hanlon, David L.  Pac Island Studies- SHAPS  
The work to be funded includes instruction, conferences, and a community outreach program, all designed to promote knowledge of the Pacific Islands. The development of language materials and the enhancement of library resources comprise two other key areas of the project.

10. ED-Dept of Education  
"Native Hawaiian Education Program - Ka 'upena o Ke A'o"
Hemphill, Norman Jean  Center on Disability Studies  
Project will provide culturally advanced & innovative curriculum in the areas of science and math to Native Hawaiian Students in Elementary and High School.

11. ED-Dept of Education  
"Hui Malama O Ke Kai - Native Hawaiian After School Health & Wellness Program"
Hirose-Wong, Shannon  School of Medicine  
Increase the capacity of Hui Malama o ke Kai to formalize: 1) academic tutoring sessions; and 2) culturally appropriate health & wellness curriculum through an after school program for 5th and 6th "at-risk" youth and their families in Waimanalo Hawaii.

12. ED-Dept of Education  
"National Resource Center for East Asian Studies at the University of Hawaii-NRC"
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.

13. ED-Dept of Education  
"Talent Search - Honolulu"
Inouye, Roy  Windward CC  
To provide services to low-income, potential first generation college students and encourage them to graduate from high school and enter postsecondary education.
14. ED-Dept of Education
"Talent Search - Windward"
Inouye, Roy
Windward CC
To provide services to low-income, potential first generation college students and encourage them to graduate from high school and enter post secondary education.

15. ED-Dept of Education
"University of Hawaii at Manoa GEAR UP Partnership"
Labrador, Roderick
Office of Student Affairs
The GEAR UP Partnership provides 675 low-income middle school students access to rigorous academic preparation, financial information, and education awards to enter and succeed in postsecondary education. The program features an innovative language awareness and culture education component, tutoring, mentoring, professional development and parent workshops.

16. ED-Dept of Education
"Kako'o Pina: The Pihana Na Mamo Project to Support At-Risk Native Hawaiian Youth - 84.362A"
Lai, Morris K
CRDG
Kako'o Pina: The Pihana Na Mamo Project to Support At-Risk Native Hawaiian Youth, addresses the needs of Hawaiian students who are at risk, including those identified with a disability. The project will use a comprehensive mentoring and academic support model to ensure promotion and successful transition into post-high options.

17. ED-Dept of Education
"Na Lama Heluhelu: The Pihana Na Mamo Early Reading Initiative - 84.362A"
Lai, Morris K
CRDG
Na Lama Heluhelu: The Pihana Na Mamo Early Reading Initiative is designed to address the beginning reading needs of Native Hawaiian students in kindergarten through third grade. The project is a collaborative effort between the University of Hawaii and the Hawaii Department of Education.

18. ED-Dept of Education
"Kiwila: A Civics Curriculum Project"
Leake, David
Center on Disability Studies
The ultimate goals of the Kiwila Project are to produce a culturally responsive civics curriculum which will increase the civic knowledge of Hawaiian students while also increasing the number of Native Hawaiian (NH) youth, young adults, and adults who are active participants in civic related activities. Achievement of these goals should assist in improving educational and employment outcomes for all Native Hawaiians.

19. ED-Dept of Education
"Manana Kupono: Supporting At-Risk Native Hawaiian Students to Succeed at UHM"
Maglaya, Michael
Office of Student Affairs
Manana Kupono will increase postsecondary access for Native Hawaiian high school students from at-risk Oahu communities, increase the transfer rate of Native Hawaiian community college students into baccalaureate programs, and increase the retention and graduation rates of Native Hawaiian undergraduate students attending the University of Hawaii at Manoa.

20. ED-Dept of Education
"Liko Ae Native Hawaiian Scholarship Program"
Sakamoto, Clyde
Maui CC
The Liko Ae Native Hawaiian scholarship program proposes to provide scholarship to Native Hawaiian students here and on the U.S. continent pursuing a higher education degree.
21. ED-Dept of Education
"Proposal to Continue Funding of the University of Hawaii National Foreign Language Resource Center (NFLRC), 2006-2010, under the Language Resource…"
Schmidt, Richard College of Lang, Ling, & Lit
The National Foreign Language Resource Center will continue to serve as a resource to improve the nation's capacity to teach and learn foreign languages effectively through projects, publications, and professional development activities that focus on the languages of Asia and the Pacific.

22. ED-Dept of Education
"Native Hawaiian Education Program - K Hana 'Imi Na'auao"
Stodden, Robert A Center on Disability Studies
Project will provide culturally advanced & innovative curriculum in the areas of science and math to Native Hawaiian Students in Elementary and High Schools.

23. ED-Dept of Education
"Maui County Educational Opportunity Center"
Tagomori, Alvin R Maui CC
Provide college access services - career exploration, college and financial aid information and application assistance to predominantly low-income, first generation Maui county residents.

24. ED-Dept of Education
"I Mua No Ka 'Ulu - 84.362A"
Warner, Sam L Haw'n & Indo-Pac Language
Project will develop a language and literacy program for Hawaiian Immersion, including 75 children's books and curriculum units based on those books for grades K-3 in Hawaiian Immersion schools. Teachers from 5 to 7 schools will be trained in developing and implementing curriculum units.

25. ED-Dept of Education
"CREDE Professional Development for Teachers of At-Risk Native Hawaiian Students"
Yamauchi, Lois A Educational Psychology
The project will develop and evaluate professional development designed to promote the Five Standards of Effective Pedagogy, instructional strategies that increase the academic success of culturally diverse learners. The goal is to promote teachers' use of the Five Standards to increase the achievement of at-risk Hawaiian students.

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

27. ED-Dept of Education
"HANA LIKE: Hawaiian Youth Improve Education and Create their Futures"
Yuen, JoAnn Center on Disability Studies
Native Hawaiians are underrepresented in the teaching and computer/technology professions; they are over represented in special education and in the justice system. Our project will implement programs in four sites (2 public schools, 2 alternative schools) to address these issues.
28. ED-Dept of Education  
"Project Waipuna"  
Zane, Lawrence F H  
Teacher Ed & Curric Study  
Provides professional development for Hawaii Dept. of Education teachers and other educational personnel to improve the quality of services offered to students learning English as a second language and their families, and helps build the University of Hawaii Manoa’s capacity to better prepare educational personnel to serve those students.

FROM: Environmental Protection Agency

1. Environmental Protection Agency  
"Student Water Quality Intern"  
Maynard, Sherwood D  
Marine Option Program - CNS  
Student intern will assist HDOH staff in field collection and laboratory analysis of water samples from a variety of marine and freshwater environments throughout the state.

FROM: Nat'l Aeronautics & Space Administration

1. Nat'l Aeronautics & Space Administration  
"Can New Satellite Capabilities Be Used to Infer CCN? - An Empirical Assessment Based on In-Situ Airborne Data"  
Clarke, Antony D  
Oceanography - SOEST  
To continue the goals of the research in the 2nd year by finding the relationship between the aerosol optical properties and the cloud, condensation nuclei (CCN) concentrations.

2. Nat'l Aeronautics & Space Administration  
"Quantifying and Predicting the Ecological Meltdown of a Unique Hawaiian Forest Ecosystem by an Invasive Alien N-Fixing Tree: A Remote… - Fellow T. Edmond"  
Drake, Donald  
Botany  
NASA Fellowship.

3. Nat'l Aeronautics & Space Administration  
"Geochemical Studies of Aqueous Alteration on Mars: Kinetics and Products - GSRP (J. Stopar)"  
Taylor, G Jeffrey  
Haw Inst Geophys - SOEST  
This study is aimed at understanding the effects of water on rock mineralogy and at determining the duration of aqueous events on Mars.

4. Nat'l Aeronautics & Space Administration  
"Circumstellar Disk Evolution and the Origins of Planetary systems - GSRP S. Andrews"  
Williams, Jonathan P  
Institute for Astronomy  
The evolution of a circumstellar disk is directly related to the formation of planets. Sensitive observations at submillimeter wavelengths will be conducted of disks in various stages of evolution in order to constrain how such properties as mass, temperature size, and gas content vary as the dissipation proceeds.

FROM: Hawaii- Government Agencies

1. City and County of Honolulu  
"National Family Caregiver Support Program, Caregiver Support"  
Pietsch, James H  
School of Law  
UHELP will provide caregiver support I services to caregivers and care recipients 60 years old or more who are socially or economically needy.
2. DLNR-Division of Aquatic Resources  
"Long-Term, Wide-Range Detailed Movement of Adult Surgeonfish Within the Fishery Replenishment Area Network in West Hawaii"  
Parrish, J D  Zoology  
Tracking individual yellow tang (surgeonfish) over long periods, using ultrasonic tags and stationary receivers to establish a detailed record of daily movements and habitats used, relative to areas where they first settle, to areas protected from fishing, and to unprotected areas.  
$45,271

3. Hawaii-Civil Defense Division  
"University of Hawaii System Multihazard Mitigation Plan"  
Callejo, Sam  SVP - Administration  
This project will be to develop a multihazard mitigation plan for the University of Hawaii system that will identify policies and activities for disaster risk reduction and enable the University to be eligible for federal funding to reduce disasters.  
$261,821

4. Hawaii-Dept of Business & Economic  
"Environmental Leadership in Tourism Partnership Proposal"  
Martinac, Ivo  School, Travel Indus Mgmt  
Participation in Rebuild America, develop draft plan for Hawaii Center for Environmental Leadership and Tourism, revision of UH-School of Travel Industry Management's Rebuild America Action Plan, a pilot benchmarking study for energy and resource efficiency in restaurants, and outreach materials.  
$23,909

5. Hawaii-Dept of Business & Economic  
"Reconvene Hawaii Energy Policy Forum to Implement Goals and Recommendations Relating to Hawaii's Preferred Energy Future"  
Miyashiro, Sharon Y  College of Social Sciences  
Reconvene the Hawaii Energy Policy Forum to develop specific action plans & benchmarks to implement the comprehensive "10 Point Plan" recommendations for a preferred energy future for Hawaii, including but not limited to policy research, legislative and administrative proposals, communication and outreach, public education, and other implementing programs.  
$200,000

6. Hawaii-Dept of Education  
"An Evaluation of the Leeward District's NCLB Consolidated Grant in School Year 2005-06"  
Higa, Terry Ann  CRDG  
The evaluation will study the implementation and effects of the professional development about mathematics education provided to the Waipahu complex teachers.  
$35,000

7. Hawaii-Dept of Education  
Higa, Terry Ann  CRDG  
The evaluation will collect data about the implementation of project activities and student outcomes to be reported in the (a) 21st CCLC annual performance report and (b) report to the Hawaii Department of Education. The evaluators also will work with the HDOE to write a grant proposal for subsequent 21st CCLC funding.  
$33,000
8. Hawaii-Dept of Education  
"An Evaluation of the West Kauai Complex's NCLB Consolidated Grant"  
Higa, Terry Ann  
CRDG  
The CRDG Evaluators will develop an evaluation design as well as conduct studies of project implementation and outcomes.

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

10. Hawaii-Dept of Education  
"Memorandum of Agreement to Provide Mathematics Class Observation Days for the Nanakuli, Pearl City, Waipahu Complexes Bridging the Mathematical..."  
Slovin, Hannah  
CRDG  
The contractor will facilitate and coordinate four observation days at the University Laboratory school for teachers to observe the use of instructional strategies and implementation of technology to increase student participation. The contractor will lead debriefing discussions after the observations.

11. Hawaii-Dept of Health  
"Project EASI"  
Shapiro, Beppie J  
Center on Disability Studies  
Direct, coordinate and assist with projects to integrate several Dept of Health databases and conduct research related to deafness, hearing loss, and newborn hearing screening.

12. Hawaii-Dept of Health  
"Teen Pregnancy Prevention Training Evaluation - BESSID-3083 (YR 2)"  
Untalan, Faye F  
Public Health Sciences  
Evaluation of the Teen Pregnancy Prevention Training-design instrument, develop protocol for data collection, analyses of data and preparation of final results.

13. Hawaii-Dept of Human Services  
"Vocational Skills Instruction for First-to-Work Participants"  
Hoshiko, Carol A  
Kapiolani CC  
Kapi'olani Community College (KCC) offers continuing education public courses including those in attachment "A" for Department of Human Services (DHS) clients participating in the First-to-Work (FTW) Program (who are eligible and meet requirements of these existing classes) the DHS will pay tuition to KCC for those clients to attend paid classes.

14. Hawaii-Dept of Land & Natural Resources  
"Kipuka 21 Nature Trail Development and Management"  
Duffy, David  
Botany  
Develop and manage a public access trail in Kipuka 21 on the Big Island.

15. Hawaii-Dept of Land & Natural Resources  
"Kapapala Forest Survey Internships"  
Dykstra, Douglas  
Hawaii CC  
Student interns in the Forest TEAM Program at Hawaii Community College will work under supervisors from the Department of Forestry and Wildlife to survey and inventory koa trees in the Kapapala Koa Canoe Forest to allow development of a sustainable management plan for the forest.
16. Hawaii-Office of Elections $1,389
"Public Service Announcement for Office of Elections"
Rodeck, Robert R College of Arts & Humanities
Completion of public service announcement treatment, storyboard, modeling, animation and rendering of characters and props ready for post production.

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

1. Honolulu Community Media Council $8,000
"Freedom of Expression Project"
Van Dyke, Jon M School of Law
Law students will be trained to make presentations on the Freedom of Expression to high school classes, and then will make such presentations.

2. Institute for Native Pacific Education & Culture $35,000
"Coordination of INPEACE's SPARK Evaluation, 2006-2007"
Lai, Morris K CRDG
Coordinate the evaluation of the "Supporting Partnerships to Assure Ready Kids" project.

FROM: Hawaii- Business and Other

1. Akaku Maui Community Television $71,119
"MCC-TV Educational Access Television"
Sakamoto, Clyde Maui CC
Manage, coordinate, and operate MCC-TV Educational Access Channel, the PEG access portion being Education as a provider for Maui County.

2. Akaku Maui Community Television $72,338
"MCC-TV Educational Access Television"
Sakamoto, Clyde Maui CC
Manage, coordinate, and operate MCC-TV Educational Access Television. This channel is one of the designated providers of educational television programming in Maui County.

3. Alu Like $145,034
"NHCTEP PY06 CERTIFIED NURSE ASSISTANT TRAINING PROGRAM"
Fouts, Jan Windward CC
Provide Certified Nurses Assistant Training for Native Hawaiians.

4. Alu Like $210,932
"Kapiolani Community College, Native Hawaiian Career & Technical Education Project"
Lee, Mona Kapiolani CC
To prepare Native Hawaiians to be a competitive force in the workplace through completion of a vigorous and culturally appropriate vocational/career and technical education program.

5. Alu Like $17,097
"Supplemental Request to Run Ho'oma'a, a Summer Bridge Experience for Incoming Students from Neighbor Islands"
Lee, Mona Kapiolani CC
To provide a summer bridge experience for incoming students from Neighbor Islands based on Hawaiian values and to enhance learning skills that support student success.
<table>
<thead>
<tr>
<th>6. Alu Like</th>
<th>$126,546</th>
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<tbody>
<tr>
<td>&quot;Po'ina Nalu - NHVEP Honolulu CC&quot;</td>
<td>Matsui, Sandy Honolulu CC</td>
</tr>
<tr>
<td>Po'ina Nalu provides academic &amp; vocational activities/services to support students of Native Hawaiian ancestry enrolled in career &amp; technical programs.</td>
<td></td>
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<tr>
<th>7. Alu Like</th>
<th>$168,184</th>
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<tbody>
<tr>
<td>&quot;Native Hawaiian Digital Media Arts Project&quot;</td>
<td>Murakami, Violet Hawaii CC</td>
</tr>
<tr>
<td>This project provides training for Native Hawaiian students for recruitment, retention and completion purposes for the Digital Media Arts Certificate of Completion Program at Hawaii Community College.</td>
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<tr>
<th>8. Alu Like</th>
<th>$136,243</th>
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<tbody>
<tr>
<td>&quot;'Oihana, Native Hawaiian Career and Technical Education Program&quot;</td>
<td>Nishiguchi, Earl K Kauai CC</td>
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<tr>
<td>The program will provide students course work and opportunities for work experience.</td>
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<tr>
<th>9. Alu Like</th>
<th>$95,978</th>
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<tbody>
<tr>
<td>&quot;The Pookela Project - Molokai&quot;</td>
<td>Sakamoto, Clyde Maui CC</td>
</tr>
<tr>
<td>The Pookela Project Molokai intends to serve 40 native Hawaiian students on Molokai in PY 2006-07. The project intends to assist students through a culturally based recruitment and retention model that will assist students with academic and vocational activities to better prepare for today’s competitive and changing workforce. The project instructs course in personal assessment, employability readiness, career exploration and preparation, and Hawaiian culture.</td>
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<tr>
<th>10. Alu Like</th>
<th>$265,844</th>
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<tbody>
<tr>
<td>&quot;The Po'okela Project, Maui Community College Project Proposal PY06&quot;</td>
<td>Sakamoto, Clyde Maui CC</td>
</tr>
<tr>
<td>Project to serve 80 Hawaiian students through cohort and summer bridge programs that focus on personal, educational, career and technical development aimed at improving student recruitment and retention.</td>
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<tr>
<th>11. Alu Like</th>
<th>$223,170</th>
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<tbody>
<tr>
<td>&quot;Ho'oulu Project&quot;</td>
<td>Tagawa, Michael Leeward CC</td>
</tr>
<tr>
<td>To increase the recruitment, retention, and completion of Native Hawaiian students in career and technical education programs (with emphasis on natural resources and management) at Leeward Community College by providing support services, academic advising, opportunities for work experience, and a Summer Bridge Program.</td>
<td></td>
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<tr>
<th>12. East West Center</th>
<th>$1,484,040</th>
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<tbody>
<tr>
<td>&quot;Student Employment Agreement with EWC&quot;</td>
<td>Ching-Rappa, Myrtle Office of Student Affairs</td>
</tr>
<tr>
<td>Student employment payroll for East West Center (EWC) to be managed by SECE.</td>
<td></td>
</tr>
</tbody>
</table>
13. Hawaii Council for the Humanities $5,000
"The Common Book Project at Windward Community College, 2006-2007"
Richardson, Brian Windward CC
To support the Common Book Program at Windward Community College for the fall 2006 and spring 2007 semesters by providing supplies, resources, and student help.

14. Hawaii Farm Bureau Federation $7,200
"Strategic Plan to Identify and Prioritize Pest Management Needs for Hawaii's Coffee Industry"
Kawate, Michael K Plant & Environmental
The objective of this project is to develop a Pest Management Strategic Plan for coffee production in Hawaii to allow the coffee industry to accurately and effectively identify and prioritize their pest management needs.

15. Maui Economic Development Board $98,500
"UH-CTAHR Extension and Research Projects in Maui County FY2007"
Keyser, Harold HITAHR - Maui - CTAHR
Conduct extension and research activities by CTAHR faculty in Maui County that benefit the agricultural community, enhance the environment, and promote healthy communities.

16. Oceanic Institute-Ctr for Trop & Subtrop Aqua $52,510
"Pacific Regional Aquaculture Information Service for Education (PRAISE) and Publications -- Publications Component"
Hashimoto, Andrew Coll, Trop Ag & Human Res
Supply educators, industry members, and other key individuals in Hawaii and the U.S.-affiliated Pacific Islands with timely and relevant aquaculture information, using the Internet, traditional print formats, and other media. Update this aquaculture community on the progress of projects supported by CTSA and the other Regional Aquaculture Centers.

17. Olelo Community Television $50,310
"Providing Facilities and Training for Public Access Training"
Pecsok, Michael H Leeward CC
Provide use of facilities including studio, editing, and equipment checkout. Also provide training to public access clients.

FROM: Hawaii- Health Organizations

1. Kapiolani Medical Center at Pali Momi $500
"KMC Practicum Stipend FY 05-06"
Matsuoka, Jon K School of Social Work
Provide stipends for School of Social Work students that complete their practicums at Kapiolani Medical Center at Pali Momi.

2. Saint Francis Medical Center $231,974
"Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement - SF07-SFMC-SURG"
Takanishi, Danny M. Surgery- MED
Salary, fringe benefit & malpractice insurance reimbursement to provide physician-related services for FY2007.
3. Wahiawa General Hospital
"Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement - SF07-WGH-FPCH"

Palafox, Neal A Fam Prac & Comm Hlth- MED
Salary, fringe benefit and malpractice insurance reimbursement agreement to provide physician and physician-related services for FY2007.

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

1. American Society for Engineering Education $38,118
"National Defense Science and Engineering Graduate Fellowships"

Cheung, Kwok F Ocean & Resources
National Defense Science and Engineering Graduate Fellowships

2. Kellogg Foundation (W K Kellogg) $9,776
"Supporting Partnerships to Assure Ready Kids"

Lai, Morris K CRDG
Work in collaboration with the project director and evaluator to determine project evaluation plan and data collection methodology. Implements evaluation plan with the guidance of the evaluator. Trains project staff to implement data collection methodology.

3. Packard Foundation (David & Lucille) $36,716
"Design of Novel Enzymes"

Jarrett, Joseph Timothy Chemistry
This project will use structure - informed mutations to convert natural proteins into unnatural enzymes that carry out useful reactions.

4. Young Men's Christian Association $5,000
"Weed & Seed Needs Assessment, Asset Mapping & Evaluation Study"

Miyashiro, Sharon Y Urban & Regional Planning
To extend the original needs assessment study to evaluate impact of the program.

FROM: Mainland- Business

1. Freeman Foundation $196,000
"Asian Medical Exchange and Outreach Program"

Greene, Gordon M Medicine- MED
Fostering development and innovation in medical schools in east asia through exchange of faculty and students with training in medicine and educational methods.

FROM: Mainland- Other

1. Conchcologists of America $1,500
"Life Histories, Population Densities and Habitat Preferences of Native Hawaiian Succineid Snails"

Cowie, Robert H Pacific Biomed Rsrch Cntr
Examine phylogeography, population structure, and the past and present demography of all succineid species on the windward side of the island of Hawaii, incorporating molecular techniques.

2. Space Telescope Science Institute $46,700
"Inspiring and Mentoring Students for Faulkes Telescope North Astronomy Projects"

Kadooka, Mary Ann Institute for Astronomy
To promote science, mathematics, and technology education through astronomy research that meets national and local educational standards with students living in rural areas of Hawaii.
FROM: U.S. Universities and Colleges

1. Mississippi State University
   "University of Hawaii Participation in MOS University Consortium PET Project-06-07"
   Lassner, David K Info Technology Services
   The University of Hawaii will support the MOS University Team with Education, Outreach & Training plus other components of the DoD PET Program.

2. Mississippi State University
   "University of Hawaii Participation in MOS University Consortium PET Project-06-07"
   Lassner, David K Info Technology Services
   The University of Hawaii will support the MOS University Team with Education Outreach & Training plus other components of the DoD PET Program.

3. Oklahoma State University
   "NASA Aerospace Education Services Program/Explorer Schools"
   Flynn, Luke P Haw Inst Geophys - SOEST
   Mr. Art Kimura will help to plan and provide NASA-related classroom and community outreach activities to support the NASA Explorer Schools in Hawaii.

4. Univ of Wyoming
   "SARE Professional Development Program for Hawaii"
   Deenik, Jonathan Natural Resources & Provide on-going training opportunities for UH Cooperative Extension and USDA NRCS staff in sustainable agriculture topics. Priorities for 2005-2006 include: alternative marketing approaches, soil building and crop rotations, organic agriculture, ecologically based weed management. Funding to attend required SARE regional and national meetings is requested.

FROM: All Non-U.S.

1. Kurdistan Regional Government
   "Hawaii-Iraq Partnership for Revitalizing Kurdistan Agricultural Higher Education and Development (KAHEAD)"
   El-Swaify, Samir Natural Resources & Revitalize agricultural higher education in Kurdistan (northern Iraq).
Funds Received from UH Foundation

RESEARCH AWARDS

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

1. Univ of Hawaii Foundation $28,180
   "Magnetic Levitation System Development"
   Berkelman, Peter Mechanical Engineering
   Provide one year of MS student and one month of summer salary to support Peter Berkelman, Assistant Professor.

2. Univ of Hawaii Foundation $14,700
   "Eclipse Innovation Award"
   Johnson, Philip M Info & Computer Science
   Development and evaluation of software review system.

3. Univ of Hawaii Foundation $65,000
   "Castle Research Associate"
   Ward, W Steven School of Medicine
   Contract from UH Foundation account to provide personnel salaries and fringe, supplies to support the ongoing research work of PI, W. Steven Ward.

NON-RESEARCH AWARDS

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

1. Univ of Hawaii Foundation $4,000
   "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.

2. Univ of Hawaii Foundation $1,000
   "Pauley Summer Program 2005--Spring 2006 Session"
   Leong, Jo-Ann Haw Inst Marine Bio-SOEST
   Funds to support casual hire education assistant for the spring session of the summer program.

3. Univ of Hawaii Foundation $42,900
   "Rama Watumull Distinguished Indian Scholar"
   Shankar, Subramanian South Asian Stud- SHAPS
   To sponsor the Rama Watumull Distinguished Indian Scholar personnel and travel grant expenses.
## SUMMARY

**EXTRAMURAL RESEARCH AWARDS, AUGUST, 2006**

**DISTRIBUTION BY SPONSORS**

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## Year-to-Date Summary

### Extramural Research Awards, July-August, 2006

#### Distribution by Sponsors

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YEAR-TO-DATE SUMMARY
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## RESEARCH AWARDS

### FROM: DOA-Dept of Agriculture

1. **DOA-Dept of Agriculture** $15,000  
   "Humuula Wildfire/Human Interface Planning"  
   Rosemary Sherriff UHH-Social Sciences

### FROM: DHHS-Dept of Health and Human Services

1. **DHHS-Dept of Health and Human Services** $766,296  
   "Biomed Research UHH - Yr 33"  
   Daniel Brown UHH-Natural Sciences

### FROM: DOI-Dept of Interior

1. **DOI-Dept of Interior** $30,000  
   "UHH Book Publishing Project"  
   Sharon Ziegler-Chong UHH-Aquaculture  

2. **DOI-Dept of Interior** $28,364  
   "UHH Developing Strategies:Managing Mouflon"  
   Sharon Ziegler-Chong UHH-Aquaculture  

3. **DOI-Dept of Interior** $60,000  
   "UHH Koa Ohia Community Ecology"  
   Sharon Ziegler-Chong UHH-Aquaculture

## NON-RESEARCH AWARDS

### FROM: ED-Dept of Education

1. **ED-Dept of Education** $597,775  
   "Education of Native Hawaiians:Project Hoomau FY 07"  
   David Sing UHH-Director’s Office

2. **ED-Dept of Education** $478,138  
   "Native Hawaiian Serving Institution FY 07"  
   Bill Chen UHH- Distance Education and Instructional Technology

3. **ED-Dept of Education** $29,571  
   "Native Hawaiian Serving Institution FY 06"  
   Bill Chen UHH- Distance Education and Instructional Technology
FROM: Hawaii Business and Other

1. East West Center  $6,300
   “South Pacific Island Scholarship Program”

   James Mello       UHH-Student Services
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## UNIVERSITY OF HAWAI’I AT HILO SUMMARY

### EXTRAMURAL NON-RESEARCH AWARDS, AUGUST 2006 - AUGUST 2006

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UNIVERSITY OF HAWAI‘I AT HILO YEAR-TO-DATE SUMMARY

EXTRAMURAL RESEARCH AWARDS, JULY 2006 - AUGUST 2006

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UNIVERSITY OF HAWAI‘I AT HILO YEAR-TO-DATE SUMMARY

EXTRAMURAL NON-RESEARCH AWARDS, JULY 2006 - AUGUST 2006

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**Recommendation:** That the Board accepts with thanks the gifts and grants and ratify the actions of the administration in executing the contracts.
PURSUANT TO BOARD OF REGENTS' POLICY, CHAPTER 8-1E
SUBMISSION OF CONTRACT FOR GOODS OR SERVICES
EXCEEDING $500,000 FOR BOARD APPROVAL

Description: Renewal of medical professional liability policy for the University of Hawai‘i John A. Burns School of Medicine

Contractor: The Doctors Company

Amount: $585,000.00

Term: October 1, 2006 to October 1, 2007

Campus: University of Hawai‘i at Mānoa
John A. Burns School of Medicine

Fund Source: Special Funds

Recommendation: That the Board approve the contract as amended.
PURSUANT TO BOARD OF REGENTS’ POLICY, CHAPTER 8-1C
SUBMISSION OF CONSULTANT SERVICES CONTRACT
EXCEEDING $100,000 FOR BOARD APPROVAL

Description: Extension of consultant services contract to enhance extramural funding opportunities for University of Hawaiʻi research proposals

Contractor: The Implementation Group

Amount: $180,000.00

Term: July 1, 2006 to June 30, 2007

Campus: UH System, Office of the Vice President for Research

Fund Source: Revolving

Recommendation: That the Board approve the contract extension.
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.

NO PERSONNEL ACTIONS FOR APPROVAL THIS MONTH

RESIGNATIONS AND RETIREMENTS OF BOARD OF REGENTS' APPOINTEES

Resignations

APANA, ERICA I.
Instructor
Allied Medical Sciences/Speech Pathology and Audiology
University of Hawai‘i at Mānoa
May 17, 2006

BELL, MICHELLE R.
Instructor
Second Language Studies
University of Hawai‘i at Mānoa
July 14, 2006

BYRD, JODI A.
Assistant Professor
Political Science
University of Hawai‘i at Mānoa
July 31, 2006

CAPELL, LAURA A.
Junior Specialist
Hamilton Library
University of Hawai‘i at Mānoa
June 30, 2006

COOKSON, DARCY
Instructional & Student Support (Student Services Specialist)
Financial Aid Services
University of Hawai‘i at Mānoa
June 2, 2006
FUKUNAGA, BRYCE K.
Research Support
(Research Associate)
Medicine
University of Hawai‘i at Mānoa
July 7, 2006

GIGANTE, JOSE M.
Instructor
Language & Literature of Europe
& the Americas
University of Hawai‘i at Mānoa
July 31, 2006

GIMA, CHARLENE S.
Instructor
Language Arts
Maui Community College
July 31, 2006

GOVINDARAJU, THANIGAI A.
Junior Researcher
Mechanical Engineering
University of Hawai‘i at Mānoa
May 15, 2006

GUSUKUMA, CHANCE I.
Instructional & Student Support
(Educational Associate)
Curriculum Research & Development Group
University of Hawai‘i at Mānoa
March 31, 2006

HAKODA, WENDY H.
Media, Design & Production
(Media Specialist)
Dean’s Office
Leeward Community College
May 5, 2006

KAPONO, DONNETTE LEILANI
Instructor
Non-Credit
Hawai‘i Community College
May 31, 2006
KAREL, HARUMI
Associate Specialist
Public Health Sciences
University of Hawai‘i at Mānoa
June 30, 2006

KIM, SEUNGTAI PETER
Professor
Psychiatry
University of Hawai‘i at Mānoa
June 30, 2006

KLAUS, SYBIL ANN
Assistant Professor
Pediatrics
University of Hawai‘i at Mānoa
June 30, 2006

KLIMOVITSKY, BORIS
Research Support
(Research Associate)
Cell and Molecular Biology
University of Hawai‘i at Mānoa
May 30, 2006

KOBASHIGAWA, NAOMI L.
Instructional & Student Support
(Early Childhood Specialist)
Technologies
Honolulu Community College
July 31, 2006

KOBAYASHI, TRACY DAWN I.
Instructor
Special Programs
Honolulu Community College
May 22, 2006

KUNIMOTO, ELIZABETH N.
Associate Professor
Communications
University of Hawai‘i at Mānoa
June 30, 2006
LABOTZ, MICHELE
Assistant Professor
Family Medicine and Community Health
University of Hawai'i at Mānoa
June 30, 2006

LERCHBACKER, ALAN B.
Instructor
Technologies
Honolulu Community College
June 8, 2006

MCGEE, KELLEY
Research Support
(Research Support Staff)
Public Health Sciences
University of Hawai'i at Mānoa
June 30, 2006

PAN, JOAN
Academic Support
(Education & Academic Support Spec)
Public Health Sciences
University of Hawai'i at Mānoa
June 30, 2006

PARKER, WILLIE J.
Assistant Professor
Obstetrics, Gynecology and Women’s Health
University of Hawai'i at Mānoa
March 31, 2006

PUGH, RUJUNKO KEIKO
Junior Researcher
Chemistry
University of Hawai'i at Mānoa
June 15, 2006

SHEA, CAROLYN ELIZABETH
Instructional & Student Support
(Educational Associate)
Curriculum Research & Development Group
University of Hawai'i at Mānoa
December 30, 2005
SIMMONS, CORALIE  
UH Assistant Waterpolo Coach  
Intercollegiate Athletics  
University of Hawai‘i at Mānoa  
June 15, 2006

SNYDER, JEFREY J.  
Research Support  
Civil & Environmental Engineering  
University of Hawai‘i at Mānoa  
May 15, 2006

WANG, XUENA  
Assistant Professor  
Medicine  
University of Hawai‘i at Mānoa  
May 19, 2006

WATERSOHN, MARK F.  
Facilities Planning & Design  
(Electrical Engineer)  
Institute for Astronomy  
University of Hawai‘i at Mānoa  
June 7, 2006

YOUNG, MARK W.  
Information Technology  
(IT Specialist)  
Chancellor’s Office  
Honolulu Community College  
May 26, 2006

ZIR, ANA  
Junior Specialist  
Public Health Sciences  
University of Hawai‘i at Mānoa  
June 30, 2006

Retirements

BUSSMANN, RAINER W.  
Associate Professor  
Lyon Arboretum  
University of Hawai‘i at Mānoa  
April 30, 2006
CAMARA, JANICE  
Interim Director of Student Housing  
Student Housing  
University of Hawai‘i at Mānoa  
June 30, 2006

CARMICHAEL, RICHARD W.  
Professor, CC & Div Chair  
Nursing  
Kaua‘i Community College  
July 31, 2006

DEUTSCH, ELIOT  
Professor  
Philosophy Dept  
University of Hawai‘i at Mānoa  
June 30, 2006

ESPIRITU, PRESCILA L.  
Associate Professor  
Hawaiian Indo Pacific Language  
University of Hawai‘i at Mānoa  
July 31, 2006

FEENEY, STEPHANIE  
Professor  
Curriculum Studies  
University of Hawai‘i at Mānoa  
July 31, 2006

HAGSTROM, PHILLIP R.  
Professor, CC  
Humanities  
Windward Community College  
June 30, 2006

HAWKINS, EMILY A.  
Associate Professor  
Hawaiian Indo Pacific Language  
University of Hawai‘i at Mānoa  
July 31, 2006
HICKMAN, PATRICIA  
Professor  
Art and Art History Dept  
University of Hawai‘i at Mānoa  
June 30, 2006

HILE, GERALD N.  
Professor  
Mathematics  
University of Hawai‘i at Mānoa  
June 30, 2006

HUNT, RUPERT S.  
Assistant Professor, CC  
Business Education  
Kaua‘i Community College  
July 31, 2006

KRISTEL, BARRY T.  
Instructional & Student Support  
(Student Services Specialist)  
Counseling & Guidance  
Maui Community College  
July 31, 2006

LIN, VICTOR K. H.  
Instructor  
Language Arts  
Leeward Community College  
July 31, 2006

SCHULTZ, ELAINE V.  
Librarian II  
Hamilton Library  
University of Hawai‘i at Mānoa  
June 30, 2006

WATSON, ARLEDIA M.  
Professor, CC  
Language Arts  
Leeward Community College  
July 31, 2006
Retirements of Civil Service Employees

MURAKAMI, NADINE N.
Secretary II
Social Science
Leeward Community College
June 30, 2006

SORIANO, MELVIN L.
General Laborer II
Facilities & Grounds
Leeward Community College
July 31, 2006

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David McClain
President

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