BOARD OF REGENTS’ MEETING

Date: Thursday, March 17, 2005
Time: 10:30 a.m. (or immediately following the meeting of the State Board for Career and Technical Education)
Place: Maui Community College
Laulima 105
310 Ka‘ahumanu Avenue
Kahului, Maui, HI 96732

AGENDA

I. Call Meeting to Order

II. Approval of Minutes of the Board of Regents’ February 17-18, 2005 Meeting

III. Public Comment Period ¹:

The public may present testimony on matters on the Board of Regents’ agenda. 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 by calling 956-8213.

IV. Agenda Items, Public Session²

1. Enter into Long-Term Agreements with the Board of Water Supply for the Kaka‘ako Deep-Well Cooling Project, John A. Burns School of Medicine
2. Request to Approve the General Structure of the Gear Up Trust and Authorize the President to Negotiate and Sign All Implementing Documents
3. Extension of the University of Hawai‘i Endowment Fund Third Party Monitor Contract for Investment Monitoring Services with Wachovia Securities, Inc.
4. Issuance of a Request for Qualifications for Phase II of the University of Hawai‘i Biomedical Site on the Kaka‘ako Waterfront
5. Enter into an Asset Purchase Agreement with Hawai‘i Medical Library
7. Modification of Approved Curriculum for University of Hawai‘i - West O‘ahu
8. University of Hawai‘i Foundation’s Gift Assessment
9. Legislative Update
10. Proposed Amendments to Title 20, Chapter 4, Hawai‘i Administrative Rules Residency Policy for Tuition Purposes
11. Community Colleges Accreditation and Program Reviews

V. Agenda Items, Executive Session

Collective Bargaining, Legal Matters and Personnel Actions will be considered in executive session (Attachment #1, pg.3)

VI. Appointments, Changes in Appointments, Leaves of Absence, Promotion, Tenure, Waiver of Minimum Qualifications, Emeritus Titles, Shortening of Probationary Period (Attachment #2, pg.4); Resignations and Retirements of Board of Regents Appointees and Civil Service Employees (Attachment #2, pgs. 5-8)

VII. Gifts, Grants and Contracts - For Board Action (See Attachment #3, pgs. 9-37)

VIII. University of Hawai‘i Foundation Report

Footnotes:

¹Guidelines: 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.

²The Board will recess at approximately 12:00 noon on Thursday. Agenda item(s) not completed at the end of the day on Thursday will be taken up on Friday, March 18, 2005.
Board of Regents’ Meeting (Continued)

IX. Report of Executive Officer

X. New or Other Business

XI. Announcement of Next Meeting of the Board

Date: April 21, 2005
Place: Windward Community College

XII. Adjournment
MATTERS TO BE DECIDED IN EXECUTIVE SESSION

A. COLLECTIVE BARGAINING

1. Collective Bargaining Issues - UHPA and HGEA

   *This matter will be discussed in an executive session pursuant to HRS § 92-5(a)(3)*

B. LEGAL MATTERS

1. Status of Settlement with Former University of Hawai‘i President Evan S. Dobelle

   *This matter will be discussed in an executive session to consult with legal counsel pursuant to HRS § 92-5(a)(4)*

C. PERSONNEL ACTIONS RELATED TO THE FOLLOWING POSITIONS:

1. Interim Vice Chancellor, Kapi'olani Community College
2. Interim Vice Chancellor, Hawai‘i Community College
3. Professor, University of Hawai‘i at Hilo
4. Emeritus Faculty, Windward Community College
5. Honorary Degrees
6. Executive/Managerial Positions in the Office of the University General Counsel
7. Executive Administrator and Secretary of the Board
8. Update on Executive Searches

   *Personnel actions noticed above will be discussed in an executive session pursuant to HRS § 92-5(a)(2)*
Appointments, Changes in Appointments, Leaves of Absence, Promotion, Tenure, Waiver of Minimum Qualifications, Emeritus Titles, Shortening of Probationary Period, Salary Adjustments, Position Actions, Classification, Pricing

UNIVERSITY OF HAWA'I AT MĀNOA

Executive

SHOMAKER, T. SAMUEL
Acting Dean
John A. Burns School of Medicine
Appointment
February 1, 2005 - January 31, 2006, unless sooner relieved
Salary Adjustment Upon Return to Associate Dean for Academic Affairs

Managerial

SEKIOKA, TERRY
Interim County Administrator, Kaua'i County
College of Tropical Agriculture and Human Resources
April 25, 2005 - April 24, 2006, unless sooner relieved

SINGLETON, PAUL
Acting County Administrator, Maui County
College of Tropical Agriculture and Human Resources
April 25, 2005 - April 24, 2006, unless sooner relieved

Recommendation: That the Board approve the 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 as recommended.
RESIGNATIONS AND RETIREMENTS OF BOARD OF REGENTS

Resignations

BAYS, BRIAN D.
Librarian II
Library
University of Hawai'i at Hilo
January 28, 2005

BRISCOE, LEONOR AUREUS
Academic Support
(Educational Sp)
Second Language Studies
University of Hawai'i at Mānoa
November 15, 2004

FERNANDEZ, MELINDA
Academic Support
(Educational Sp)
Curriculum Studies
University of Hawai'i at Mānoa
November 30, 2004

FROESE, CAROL A.
Assistant Professor
Psychiatry
University of Hawai'i at Mānoa
December 15, 2004

GIBSON, MALIA
Instructor
Language Arts
Honolulu Community College
January 3, 2005

HASSANIN, HANAN M.
Assistant Professor
Psychiatry
University of Hawai'i at Mānoa
December 6, 2004

HAWKINS, SSERETA D.
Instructor
Counseling & Guidance
Kapi'olani Community College
December 31, 2004
KANESHIRO, JAMI S.
Instructor
Speech Pathology and Audiology
University of Hawai‘i at Mānoa
December 31, 2004

KIPNES, THOMAS J.
Instructor
Social Sciences
Honolulu Community College
February 13, 2005

KUMANO, JAMIE K.
Institutional Support
(Administrative Officer)
Anatomy, Biochemistry, Physiology and Reproductive Biology
University of Hawai‘i at Mānoa
December 31, 2004

POWERS, JULIE
Instructional & Student Support
(Early Childhood Specialist)
UHM Children’s Center
University of Hawai‘i at Mānoa
January 4, 2005

REED, RACHELLE J.
Assistant Professor
Special Education
University of Hawai‘i at Mānoa
January 25, 2005

RYAN, MARY E.
Instructor
Second Language Studies
University of Hawai‘i at Mānoa
December 31, 2004

SHIGEMOTO, STEVEN
Institutional Support
(Institutional Analyst)
Dean’s Office
Honolulu Community College
January 7, 2005

SUE, ALEXANDER WA-YII
IT Specialist
Information Technology Services
University of Hawai‘i, System
January 7, 2005
WOLF, JADE M.
Institutional Support
(Administrative Officer)
Dean’s Office
University of Hawai‘i at Mānoa
November 10, 2004

Retirements

BLAINE, DANIEL
Professor
Educational Psychology
University of Hawai‘i at Mānoa
December 30, 2004

CHATTERGY, VIRGIE
Assistant Dean
Student Services
University of Hawai‘i at Mānoa
December 30, 2004

DIAS, AUSTIN
Assoc Professor
Lang & Lit Europe & the Americas
University of Hawai‘i at Mānoa
December 30, 2004

FOLTZ, WILLIAM D.
Associate Professor
English
University of Hawai‘i at Mānoa
September 30, 2004

HAHN, YOUNGKI
Professor and Director
Economics/Office of International Affairs
University of Hawai‘i at Hilo
February 28, 2005
KATAOKA, DWIGHT I.
Institutional Support
(Property & Fund Manager)
Financial Management
University of Hawai‘i, System
February 28, 2005

LESSA, RICHARD W.
Assoc Professor
English
University of Hawai‘i at Mānoa
December 31, 2004

METZGER, MELODEE C.
Instructor
Lang & Lit Europe & the Americas
University of Hawai‘i at Mānoa
January 31, 2005

MOTOOKA, CYNTHIA
Institutional Support
(Fiscal Officer)
Student Housing Services
University of Hawai‘i at Mānoa
December 30, 2004

UCHIDA, SUSAN L.
Professor, CC
Business Education
Kaua‘i Community College
February 28, 2005

RETIREMENTS OF CIVIL SERVICE EMPLOYEES

DORIA, JOSEPH J JR.
Janitor II
Janitorial Services
Hawai‘i Community College
January 31, 2005

WATANABE, JOANNE S.
Secretary II
Administrative Services
College of Tropical Agriculture & Human Resources
University of Hawai‘i at Mānoa
February 28, 2005

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David McClain
Interim President
GIFTS, GRANTS AND CONTRACTS

The following gifts, grants, and contracts received during the period January 1, 2005 through January 31, 2005 total $20,786,378. The University of Hawai’i at Hilo received a total of $804,732 during the same period.

RESEARCH AWARDS

FROM: DA-Dept of Agriculture

1. DA-Dept of Agriculture $50,000
   "High Resolution Fire Weather/Fire Danger Forecasts for Hawaii"
   Chen, Yi-Leng Meteorology - SOEST
   The main objective of this research is to provide weather information from high resolution numerical models to predict the fire danger under the National Fire Danger Rating System for the Hawaiian Islands.

FROM: DHHS-Dept of Health & Human Services

1. National Institutes of Health $111,666
   "Regulation of Cell Signalling and Adhesion"
   Ramos, Joe William Cancer Research Center
   Understanding the functional significance of PEA-15 in the mechanism regulating cell signaling events relating to cell adhesion, migration, survival and proliferation. This work will then elucidate the potential role of PEA-15 in the pathogenesis of cancer and

2. NIH-Nat'l Cancer Institute (NCI) $2,194,894
   "Multiethnic Cohort Study of Diet and Cancer"
   Kolonel, Laurence N Cancer Research Center
   The project entails follow-up on a large group of subjects (215,000) in Hawaii and California, on whom lifestyle and dietary information was obtained in 1993-1996. By determining which subjects developed cancer, we will be able to identify factors leading to increased cancer risk.

3. NIH-Nat'l Inst of Environmental Health Sciences $484,703
   "Pacific Research Center for Marine Biomedicine"
   Laws, Edward A Oceanography - SOEST
   The Center conducts hypothesis-driven, interdisciplinary research on harmful algal blooms (HAB), water- and vector-borne diseases, and marine-derived pharmaceuticals and probes, in the thematic context of tropical coastal waters and small islands.
FROM: DOD-Dept of Defense

1. **DOD-Dept of Air Force**
   "Operations and Management of the Maui Supercomputing Center"
   Lassner, David K Info Technology Services
   Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.
   $25,000

2. **DOD-Dept of Air Force**
   "Operations and Management of the Maui Supercomputing Center"
   Lassner, David K Info Technology Services
   Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.
   $7,236

3. **DOD-Dept of Air Force**
   "Operations and Management of the Maui Supercomputing Center"
   Lassner, David K Info Technology Services
   Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.
   $25,000

4. **DOD-Dept of Air Force**
   "Operations and Management of the Maui Supercomputing Center"
   Lassner, David K Info Technology Services
   Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.
   $5,540,875

5. **DOD-Dept of Air Force**
   "Operations and Management of the Maui Supercomputing Center"
   Lassner, David K Info Technology Services
   Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.
   $1,559,125

6. **DOD-Dept of Air Force**
   "Operations and Management of the Maui Supercomputing Center"
   Lassner, David K Info Technology Services
   Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.
   $200,000

7. **DOD-Dept of Army**
   "Active Hyperspectral Sensor Research"
   Madey, John Physics & Astronomy
   Research on optical sensors employing a wavelength-agile, spectrally bright laser illuminator and a matched, hyperspectral optical receiver.
   $1,200,000
8. DOD-Naval Research Laboratory
"Field Testing Developing Marine Coatings from the Center for Nanoscale Science and Engineering at North Dakota State University"

Hadfield, Michael G Pacific Biomed Rsrch Cntr
The Hawaii Biofouling Testing Site will provide to scientists at the Center for Nanoscale Science and Engineering testing for the Center's experimental coatings.

9. DOD-Naval Research Laboratory
"Modeling Biogeochemical Processes to Evaluate and Minimize Environmental Impacts of Gas Hydrate Desalination"

Nihous, Gerard Haw Nat Energy Inst -SOEST
This investigation will attempt to isolate organisms that produce or oxidize methane and methane hydrates in deep seafloor sediments and to understand their metabolism by conducting controlled laboratory experiments under in situ conditions.

10. DOD-US Army Medical Research & Material
"Diabetes Care and Treatment"

Vincent, Dale School of Medicine
UH will support a joint research program between the Joslin Diabetes Center, DoD, and VA. Major goals are to establish a telemedicine system for diabetes management and the assessment of diabetic retinopathy. Appropriate clinical validation and cost efficiency studies with the use of the Comprehensive Diabetes Management Program will be performed.

FROM: DOI-Dept of Interior

1. DOI-Nat'l Park Service
"Main Seawall, Kaloko-Honokohau National Historic Park"
Duffy, David Botany
Continue documentation of restoration of seawall of the fishpond at Kaloko.

FROM: National Science Foundation

1. National Science Foundation
"SGER:Rock Magnetism and Paleomagnetic Record of Corals from Pacific Volcanic Islands: A Feasibility Study"

Fuller, Michael D Haw Inst Geophys & Planet
Recover high resolution paleosecular variations from corals.

2. National Science Foundation
"What are the Parental Magma Compositions for Historical Kilauea Lavas?"

Garcia, Michael O Geology & Geophys - SOEST
Determine and explain the causes of compositional variation for historical Kilauea lavas.
3. National Science Foundation
"Collaborative Research: Assessment of Groundwater Inputs into Coastal Waters of Hawaii via Natural Tracers and Aerial Imagery"
Glenn, Craig R Geology & Geophys - SOEST
Collaborative study with Florida State University for regional-scale assessment of submarine groundwater discharge off southwest Hawaii, where virtually all the discharge is via underground pathways, using natural geochemical tracers (dissolved nutrients and silica salinity, methane and radon and radium isotopes) and temperature and position calibrated aerial infrared surveys.

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

5. National Science Foundation
"CAREER: Crystallization Kinetics in Volcanology"
Hammer, Julia E Geology & Geophys - SOEST
Experimental study of crystal nucleation, growth, and textural evolution in silicate magma.

6. National Science Foundation
"Violent Basaltic Explosive Volcanism: A Case Study of the 1886 Tarawera Eruption, New Zealand: Supplement"
Houghton, Bruce Geology & Geophys - SOEST
A detailed study of the role of processes in the volcanic conduit in influencing the style and intensity of a powerful basaltic explosive eruption.

7. National Science Foundation
Huntley, Mark E Haw Nat Energy Inst -SOEST
Development of instrumentation and associated software for high-frequency acoustic sensing of marine zooplankton in the upper ocean by sensors on board free-floating drifting platforms, ultimately to be deployed as a global remote-sensing array.

8. National Science Foundation
"CAREER: Aggregate-Enhanced Membrane Filtration"
Kim, Albert S Civil and Environmental
The scope of the proposed research is to use statistical mechanics simulation of Stokesian dynamics to find out optimal conditions of crossflow membrane filtration during colloidal fouling on the purposed of fouling reduction.
9. National Science Foundation $84,420
"Phanerozoic Seafloor Spreading Rate and Compositional History of the Atmosphere, Ocean, and Sediments: A Dynamical Approach"
Mackenzie, Fred T Oceanography - SOEST
To study the relationship between geological and biological controls during the early Paleozoic times to present day.

10. National Science Foundation $108,355
"Collaborative Research: Investigating the Interrelationships between Crustal Structure, Volcanism, and Hydrothermal Activity Along the Backarc"
Martinez, Fernando Haw Inst Geophys & Planet
To survey the Fast Lau Spreading Center (Tonga) on the R/V Kilo Moana using shipboard and deep-towed sidescan sonar systems and instruments for detecting seafloor hydrothermal activity.

11. National Science Foundation $76,634
"CAREER: The Formation of Stars in Groups"
Williams, Jonathan P Institute for Astronomy
We will observe small clusters of young stars and study the emission from the dusty, gaseous envelopes around them. Through the analysis of the envelope morphology, motions and chemistry, we intend to learn about the formation and evolution of stars like our Sun. Public Outreach and Education elements are included.

FROM: Nat'l Aeronautics & Space Administration

1. Nat'l Aeronautics & Space Administration $33,000
"The Composition and Evolution of the Lunar Crust"
Hawke, Bernard R Haw Inst Geophys & Planet
We propose to use Lunar Prospector orbital geochemistry to investigate the composition and evolution of the lunar crust.

2. Nat'l Aeronautics & Space Administration $250,000
"Data-Intensive Research and Modeling Development at the International Pacific Research Center"
McCreary, Julian P Oceanography - SOEST
The proposed project is to enhance the research conducted at the IPRC to study the Pacific climate variability and processes, Pacific Ocean circulation and its roles in climate, and Asian-Australian monsoon system (A-AAMS). We propose here to utilize various satellite products available from NASA.

3. Nat'l Aeronautics & Space Administration $77,000
"Analysis and Validation of SRTM Data Over Tropical Volcanoes"
Mouginis-Mark, Peter J Haw Inst Geophys & Planet
I will use the Space Shuttle Radar Mission (SRTM) topographic data to study the shapes of volcanoes in the Pacific, and compare these results with data collected from aircraft.
FROM: Hawaii- Government Agencies

1. County of Kauai $15,000
"Updating and Publication of Climatologic Rainfall Stations for the Kauai County"
Chu, Pao-Shin Meteorology - SOEST
To update long-term rainfall stations in Kauai and publish a report to show the locations of rainfall stations.

2. DOH-Alcohol & Drug Abuse Division $221,712
"Services to Evaluate and Monitor Substance Abuse Service Outcomes and Process Evaluation Activities of the Alcohol and Drug Abuse Division Funded..."
Yuen, Sylvia H L Center on the Family
Evaluate and monitor substance abuse outcomes and process evaluation activities of the Hawaii Department of Health, Division of Alcohol and Drug Abuse funded activities.

3. DOH-Clean Water Branch $49,500
"Statewide Watershed Project: Background Data for Watershed Restoration Plans"
Rappa, Peter J Environmental Center
Phase 2: To develop a watershed restoration plan that will bring the waters in Hilo Bay and the water quality limited segments of the streams in the Hilo watershed into compliance with the Department of Health Water Quality Standards.

4. Hawaii-Dept of Business & Economic $35,000
"Regulations and Impervious Cover Study in Support of Low Impact Development Workshop/Seminar Program State of Hawaii"
Minerbi, Luciano Urban & Regional Planning
Analyze State statutes and administrative rules, and county ordinances and rules, applicable to planning, development, and watershed protection to determine whether current language helps or hinders application of Low Impact Development. Undertake a simple maximum impervious cover analysis for each county using zoning standards and information.

5. Hawaii-Dept of Business & Economic $131,498
"Distributed Generation (Energy) Technology -2"
Rocheleau, Richard E Haw Nat Energy Inst -SOEST
Developing and implementing a program to accelerate the development, integration, and deployment of Distributed Generation (Energy) Technology for the Natural Energy Laboratory of Hawaii Authority (NELHA).

6. Hawaii-Dept of Land & Natural Resources $60,000
"Koolau Mountains Watershed Partnership Plan Implementation, 2005-2006"
Duffy, David Botany
Continue implementation of the Koolau Mountains plan.
<table>
<thead>
<tr>
<th>No.</th>
<th>Sponsor</th>
<th>Project Title</th>
<th>Budget</th>
<th>Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.</td>
<td>Hawaii-Dept of Land &amp; Natural Resources</td>
<td>&quot;A Proposal to Develop a Statewide Plant Conservation Program&quot;</td>
<td>$60,000</td>
<td>Duffy, David Botany Develop a statewide conservation program for rare native plants.</td>
</tr>
<tr>
<td>8.</td>
<td>Hawaii-Dept of Land &amp; Natural Resources</td>
<td>&quot;Field and Management Studies of Endangered Hawaiian Forest Birds&quot;</td>
<td>$250,000</td>
<td>Duffy, David Botany Continue work on the critically endangered po’ouli and other endangered native forest birds and their habitat on Maui.</td>
</tr>
<tr>
<td>9.</td>
<td>Hawaii-Dept of Land &amp; Natural Resources</td>
<td>&quot;Aquatic Invasive Species Response and Outreach Project: Marine Alien Algae Community Clean-ups&quot;</td>
<td>$20,000</td>
<td>Duffy, David Botany Develop and implement alien algal clean up volunteer program.</td>
</tr>
<tr>
<td>10.</td>
<td>Hawaii-Dept of Land &amp; Natural Resources</td>
<td>&quot;GIS Research on State Forest Lands, Phase 4&quot;</td>
<td>$40,000</td>
<td>Duffy, David Botany Work with DLNR on GIS mapping of fire response and development of a state wildlife plan.</td>
</tr>
<tr>
<td>11.</td>
<td>Hawaii-Dept of Land &amp; Natural Resources</td>
<td>&quot;CGAPS Project: Support for the HISC Program&quot;</td>
<td>$134,000</td>
<td>Duffy, David Botany Work with state and other agencies to develop the Hawaiian Invasive Species Council (HISC).</td>
</tr>
<tr>
<td>12.</td>
<td>Hawaii-Dept of Land &amp; Natural Resources</td>
<td>&quot;Development of a Habitat Conservation Plan for Game Mammal Management in North Kona, Hawaii&quot;</td>
<td>$169,400</td>
<td>Fragoso, Jose Botany Continue to research and develop a conservation plan for the game management area in North Kona.</td>
</tr>
<tr>
<td>14.</td>
<td>Hawaii-Dept of Transportation</td>
<td>&quot;Simulation of Westbound Interstate H-1 Freeway Between the Airport Viaduct and Waikiki During Weekday Afternoon Peak&quot;</td>
<td>$23,414</td>
<td>Prevedouros, Panos D Civil and Environmental Simulation of existing and proposed conditions on the H-1 Freeway and comparisons leading to recommendations. The intent of this study is to provide numerical output in terms of motorist delay and average speed for various scenarios.</td>
</tr>
</tbody>
</table>
FROM: Hawaii- Associations, Foundations, Societies, etc.
1. HCF-Ingeborg V.F. McKee Fund  
"Programmed Cell Death and Cancer Progression"  
Patek, Paul Q  
Microbiology  
The work proposed is to analyze cell lineages comprised of cloned cell line that are normal, intermediate between normal and cancerous and cancerous. Our analyses will focus on the susceptibility of the cell lines to host protective mechanisms that may cause programmed cell death.

2. HCF-Tobacco Prevention & Control Trust Fund  
"Developing Infrastructure and Resources for Smoking Cessation for Korean Immigrants in Hawaii"  
Kim, Min-Sun  
Speech  
The project aims to develop a minimum infrastructure for smoking cessation for Korean Immigrants in Hawaii. The project includes needs assessment and development of culturally and linguistically appropriate cessation materials, brief and intensive cessation interventions and media campaign.

3. HCF-Tobacco Prevention & Control Trust Fund  
"Exercise and Relational Support-based Smoking Cessation Program Tailored for College Student Smokers"  
Lee, Hye-ryeon  
Cancer Research Center  
The project aims to develop, implement and evaluate an innovative smoking cessation program, incorporating exercise intervention and relational partner support, tailored for college student smokers. The project includes formative research, development of cessation program, and a thorough evaluation of the proposed program.

FROM: Hawaii- Business and Other
1. Oceanic Institute-Ctr for Trop & Subtrop Aqua  
"Aquaculture of Hawaiian Marine Invertebrates for the Marine Ornamental Trade - Year 3"  
Tamaru, Clyde S  
Sea Grant - SOEST  
Development and transfer of technologies for the artificial propagation of feather duster worms to alleviate the harvesting of wild caught animals.

2. Planning Solutions Inc.  
"Sidescan Mapping of ‘Ewa Beach for the Purpose of Identifying an Artificial Reef Site"  
Kelley, Christopher D  
HURL - SOEST  
Sidescan sonar survey of the seafloor offshore ‘Ewa, O‘ahu.

FROM: Hawaii- Health Organizations
1. Queen's Medical Center  
"Prevalence and Correlates of Female Sexual Dysfunction in a Multi-ethnic Population"  
Gotay, Carolyn C  
Cancer Research Center  
Address several understudied areas with regard to female sexual dysfunction in menopausal women. This will be a unique study of the prevalence of female sexual dysfunction in Asian American and Pacific Islander populations in the U.S., and important correlates of female sexual dysfunction will be examined.
2. Univ. Clinical, Education & Research Assoc. $5,821
"Biomedical Image Processing"
Yan, Yuling  Mechanical Engineering
Perform medical image processing and manipulation using existing image analysis software programs and developing new programs when necessary. Manage the medical images and results of analysis in an effective manner that is intuitive to hospital and health care personnel to retrieve and interpret.

FROM: Mainland- Business

1. General Atomics $50,000
"Heat Transfer to a Molten Pool in a High Temperature Reactor"
Coimbra, Carlos F  Mechanical Engineering
Numerical modeling of a high temperature reactor.

2. Quantum Leap Innovations, Inc $100,000
"Modeling Multiple User Task Integration for IKE"
Chin, David N  Info & Computer Science
Develop XML Schema and software to represent user information requirements and task information requirements and develop software to automatically share information and tools among users of IKE (Integrated Knowledge Environment).

FROM: Mainland- Health Organizations

1. Southwest Oncology Group $33,131
"Enhancing Well-Being During Breast Cancer Recurrence"
Gotay, Carolyn C  Cancer Research Center
The goal of this project is to evaluate the efficacy of an intervention to improve well being among patients experiencing a first recurrence of breast cancer.

FROM: Mainland- Other

1. Incorp Rsrch Institutions for Seismology (IRIS) $30,000
"Hawaii-2 Observatory Operations and Re-fit: University of Hawaii Tasks"
Duennebier, Frederick  Geology & Geophys - SOEST
Support operations and re-fit tasks for Hawaii-2 Observatory.

2. Jet Propulsion Lab $75,000
"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 altimeter observation.
3. Jet Propulsion Lab
"An Investigation of the Mesoscale Eddy Field in the North Pacific Current Utilizing Altimetry, Scatterometry, and Numerical Ocean Modeling"
Qiu, Bo
Oceanography - SOEST
We seek to understand the nature and cause of eddies in the North Pacific Current on time scales less than one year using satellites and computer simulations.

4. Jet Propulsion Lab
"Space Interferometry Mission Key Project: Dynamical Observations of Galaxies"
Tully, R Brent
Institute for Astronomy
Large galaxies are thought to have formed out of small galaxies and information on the relative numbers of visible small galaxies to large galaxies provide a critical constraint on theories of galaxy formation.

FROM: U.S. Universities and Colleges
1. Univ of California- Los Angeles $117,875
"Phase II - Double Blind, Placebo Controlled Trial of Bupropion for the Treatment of Methamphetamine Dependence (Subcontract No. 2000 G CB519)"
Haning III, William F
Psychiatry- MED
The purpose of this study is to evaluate whether a medication, Bupropion, may be useful in treating methamphetamine dependence in combination with a drug-counseling program. We want to learn whether the medication, Bupropion, combined with therapy is safe and useful in the treatment of methamphetamine dependence.

2. Univ of Mississippi $7,400
"Technical Support - Pre-Certification I"
Garces, Milton
Haw Inst Geophys & Planet
Maintenance of infrasound array in Diego Garcia

3. Univ of North Carolina- Chapel Hill $121,560
"Periodontal Disease in Diabetic Women with Preterm Birth"
Millar, Lynnae K
Medicine- MED
To determine the rate of periodontal disease in diabetic and non-diabetic Asian Pacific Islander women that deliver preterm.

4. Washington University- St. Louis, MO $4,000
"Neurological AIDS Research Consortium"
Valcour, Victor G
School of Medicine
To study the neurological impact of patients receiving HIV therapy.

FROM: All Non-U.S.
1. Ministry of Education - Sci & Culture of Japan $37,861
"Detector Research & Development of KEK-B Factory"
Olsen, Stephen L
Physics & Astronomy
Development of 2 major upgrades to the Belle experiment: Data Acquisition System replacement with the COPPER system: and the pixel vertex detector upgrade developing the monolithic integrated CMOS circuits which serve as the tracking devices.
2. Trojan Technologies, Inc
   "Ultraviolet Radiation Technology Investigation"
   Moreland, Victor Water Resource Research
   Provide assistance in testing protocols for various ultraviolet system components and full-scale systems testing and provide training materials to improve water and wastewater treatment knowledge to company personnel focusing on up-stream treatment processes that influence ultraviolet systems.

3. WorldFish Center
   "The Role of Osmoregulation in Coral Bleaching: Standardizing Methods and Identifying Two Molecular Biomarkers"
   Gates, Ruth Haw Inst Marine Bio-SOEST
   To evaluate the role of glycerol in osmoregulation of coral symbioses, to isolate two genes that are involved in osmoregulatory cascades involving glycerol, and to examine the glycerol concentrations and expression of the two genes in stressed and

4. Yonsei University
   "Analysis of Climate Change in Korea and East Asian Area and Study of the Atmospheric and Ocean Effects"
   Wang, Bin Meteorology - SOEST
   Developing numerical model and data set and investigate current climate variability in Korea and East Asian region.

**NON-RESEARCH AWARDS**

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

1. National Institutes of Health
   "Evolution of Axial Patterning - Functional Approaches"
   Martindale, Mark Q Pacific Biomed Rsrch Cntr
   Investigate functions of key regulatory genes in axial regionalization during development of multicellular animals.

2. National Institutes of Health
   "Neural Processing of Uniform Electric Fields - NRSA Fellowship - Predoc"
   Tricas, Timothy Zoology
   The scope of this work is to characterize the neural response of the hammerhead shark electrosensory system to uniform electric fields.

3. NIH-Nat'l Cancer Institute (NCI)
   "Cancer Information Service"
   Issell, Brian F Cancer Research Center
   The National Cancer Institute's Cancer Information Service is a national resource for information and education about cancer, providing the latest and most accurate cancer information to patients and their families, the public, and health professionals. Hawaii's Partnership Program focuses on Native Hawaiians and other medically underserved populations in the Pacific.

4. NIH-Nat'l Cancer Institute (NCI)
   "Cancer Information Service"
   Issell, Brian F Cancer Research Center
   The National Cancer Institute's Cancer Information Service is a national resource for information and education about cancer, providing the latest and most accurate cancer information to patients and their families, the public, and health professionals. Hawaii's Partnership Program focuses on Native Hawaiians and other medically underserved populations in the Pacific.
5. NIH-Natl Cancer Institute (NCI)
"Cancer Control Research Training in Multiethnic Hawaii"
Maskarinec, Gertraud  Cancer Research Center
Grant will support postdoctoral training in cancer control research led by faculty at the Cancer Research Center of Hawaii and collaborators elsewhere at the University and health care

FROM: DOC-Dept of Commerce

1. DOC-Minority Business Development Agency
"MBDC - Honolulu"
Rota, Michael T  SVP - Academic Affairs
To provide standardized business assistance services to rapid growth potential minority owned businesses, to develop a network of strategic partnerships, and to provide strategic business consulting. Clients will be charged a sliding scale fee for services provided.

2. DOC-National Oceanic & Atmospheric
"Sanctuary Ocean Count Interns"
Maynard, Sherwood D  College of Natural Sciences
Provide support and assist in education outreach projects.

FROM: DOI-Dept of Interior

1. DOI-Minerals Management Service
"DMHA Training and Research"
Hallett, Brien  Matsunaga Inst for Peace
To provide educational courses at UH-Manoa and UH-Hilo in disaster management and humanitarian assistance

FROM: DOL-Dept of Labor

1. DOL-Dept of Labor
"Hawaii Construction Academy"
Blumhardt, Jon H  Honolulu CC
Honolulu Community College in partnership with the Department of Education, State of Hawaii and stakeholders in Hawaii's building and construction industry over a 3 year period will create a construction academy to meet the demand for 11,000 trades workers over the next 7 years due to the massive increase in projects within the State.

FROM: HUD-Dept of Housing & Urban Development

1. HUD-Dept of Housing & Urban Development
"Anahola Community Agribusiness Microenterprise Program"
Cha, Peggy  Kauai CC
A collaborative project to provide training and educational resources to Anahola farmers and potential agricultural entrepreneurs in farm management and micro enterprise.
FROM: National Science Foundation

1. National Science Foundation
   "Sea Grant Marine Science Undergraduate Research Fellowship"
   Cooney, Michael J Sea Grant - SOEST
   To provide qualified undergraduate students with the opportunity for in-depth involvement in research in marine sciences and encourage undergraduate students to consider advanced studies and careers in science, mathematics and engineering.

FROM: Hawaii- Government Agencies

1. County of Hawaii
   "Fourth Biennial Agtourism in Hawaii Conference Promotion"
   Fleming, Kent D Tropical Plant & Soil Science
   Project will provide funds for poster/brochure layout and printing, postage, website enhancement and newspaper press releases and advertisements to promote the Fourth Biennial Agtourism Conference to be held in Kona in Jan. 2005.

2. DOH-State Council on Developmental Disabilities
   "Local Capacity Building Institute"
   Johnson, Jean Center on Disability Studies
   To plan, coordinate and provide technical assistance to conduct a Local Capacity building institute for students with intellectual disabilities and post secondary education in Hawaii and the Pacific

3. Hawaii-Dept of Health
   "Bioterrorism Curriculum Development and Training"
   Casken, John Nursing
   Department of Nursing will prepare and deliver a bioterrorism curriculum that can be used at all the schools of nursing in the UH system.

4. Hawaii-Dept of Health
   "Continuing Education Training Program for Small System Water Operators"
   Fujita-Starck, Pamela Outreach College
   Outreach College will develop and implement a continuing education training program for small water system operators, delivering 8 hours of training on each island: Kauai, Oahu, Maui, Molokai, Lanai, and Hawaii (at Hilo and Kona).

5. Hawaii-Dept of Health
   "Disability Employment Awareness Month - BUS Posters"
   Miller, Susan Center on Disability Studies
   Planning, coordinating, designing, layout, printing of 350 BUS Posters. (Public Transportation)
6. Hawaii-Dept of Human Services
"Food Stamp Nutrition Education - Hawaii 2005"
Kanehiro, Naomi A College of Tropical Ag &
Project priorities are to explore practical ways to influence positive
nutrition behaviors, to make the connections between growing food,
nutrition and health, to interactively deliver nutrition education
services with our youth and elders, to pilot a multi-agency social
marketing project on a small neighbor island and to expand services
delivery to all of our 4 island-based counties.

FROM: Hawaii- Business and Other

1. East West Center
"East-West Center PDC Internships"
Hoffman, Mark Maui CC
Internship training in Application Support, Informaton Systems and
Data Resources.

2. Pacific Resources Inc
"PREL Mathematics and Science Technical Assistance,
Year 10"
Dougherty, Barbara J CRDG
Establish the collaborative relationship between PREL and CRDG in
carrying out PREL's Pacific Eisenhower Mathematics and Science
Consortium Grant Program.

3. Ted & Hattie Official's Hale Ohana
"Adult Residential Care Home Courses"
Johnson, Nancy K Maui CC
Provide instruction in Nur 12, 13, 14, ARCH, Adult Residential Care
Home Operator courses to allow immediate preparation of new care
home operators.

4. Turning Point for Families, Inc.
"Ke Ala Lokahi: Demonstration Project for the Early
Intervention and Prevention of Sexual Violence and Intimate
Partner Violence among Racial and…"
Kanuha, Valli School of Social Work
Design, implement, and evaluate a domestic violence intervention
with Native Hawaiian male batterers and battered women using
Native Hawaiian cultural values, beliefs and practices in a
comprehensive domestic violence agency in Hilo, Hawaii

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

1. Consortium for Oceanographic Rsrch & Educ
"Hawaii Regional Ocean Sciences Bowl"
Cooper, Patricia Sch Ocean,Earth Sci & Tec
SOEST will serve as host institution for the Hawaii Regional Ocean
Sciences Bowl competition

2. Nat'l Fish and Wildlife Foundation
"Population Biology and Genetics of Hawaii Akepa -
Scholar - D. Reding"
Freed, Leonard A Zoology
Document genetic population structure of the bird in 4 study sites
3. Sidney Stern Memorial Trust
   "Lecturer in Hebrew 101-102"
   Littman, Robert J
   Dept of Lang & Lit of Europe &
   Funding to hire lecturer to teach Hebrew 101-102, UH Manoa fall

4. The John W. Kluge Foundation
   "World Beat Music"
   Slaughter, Timothy R
   Outreach College
   The Community Services Division of Outreach College will present
   music workshops with Robert Jospe in libraries, schools, senior
   centers, and prisons across the state

FROM: Mainland- Business

1. Freeman Foundation
   "An Asian Outreach Program for Minority Serving Higher
   Education in America"
   Trimillos, Ricardo D
   School, Haw, Asn & Pac
   The project carries out seminars abroad and on-campus workshops
   to mentor faculty from minority-serving institutions (colleges and
   universities) to introduce Asian Studies into the curricula of their
   institutions.

2. Freeman Foundation
   "Undergraduate Asian Studies Funding Initiative"
   Trimillos, Ricardo D
   South Asian Stud- SHAPS
   Strengthen and enhance undergraduate Asian Studies Program
   through electronic curriculum delivery, faculty development, Student
   Exchange and residency projects.

FROM: Mainland- Health Organizations

1. American Cancer Society
   "Tobacco Cessation Needs Assessment Project"
   Lee, Hye-ryeon
   Cancer Research Center
   Provide cancer expertise; participate in planning, preparation, and
   co-facilitation of External Work Group Meetings; review data
   collection protocols and draft summary reports of data collection
   activities; help formulate recommendations for a model to integrate
   and coordinate technical and financial assistance; participate in
   other project activities as needed.

2. American Heart Association
   "The Roles of Wnt Signaling in Morphogenesis and Cell
   Specification - Postdoc C. Byrum"
   Wikramanayake, Athula H
   Zoology
   To determine roles of the Wnt pathways in
FROM: Mainland- Other

1. Dance USA
   "Restaging Alwin Nikolais' 'Tensile Involvement''
   Fisher, Elizabeth Theatre & Dance
   Guest residency to teach and restage dance repertory for performance.

FROM: U.S. Universities and Colleges

1. Univ of California- Davis
   "Hawai'i Pest Management and Regulatory Information and Notification Network"
   Kawate, Michael K Plant & Environmental
   To inform stakeholders in the American Pacific about impending pesticide regulatory actions; to solicit stakeholder responses and comments to US EPA and USDA requests for information about pesticide use and impacts of proposed regulatory changes.
Funds Received from UH Foundation

NON-RESEARCH AWARDS

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

1. Univ of Hawaii Foundation $265,647
   "WCC/UHF Lanihuli Observatory"
   Ciotti, Joseph E Windward CC
   Account established to assist in the creating of a contract between the University of Hawaii Procurement Office and the vendor. This account enables a contract to be established. The Harol K.L. Castle Foundation grant is the funding agent for this project.

2. Univ of Hawaii Foundation $65,643
   "Lyon Arboretum"
   Hayes, Charles F Lyon Arboretum
   Funds provided for the groundskeeping operations of the Lyon Arboretum, including the salary and benefits of greenhouse associate and groundskeeper and associate director of the

3. Univ of Hawaii Foundation $39,000
   "CCS Staff and Student Support"
   Ning, Cynthia Y Chinese Studies- SHAPS
   Funds to pay salary and fringes for students and staff working on various projects for the Center for Chinese Studies.

4. Univ of Hawaii Foundation $1,500
   "Telecom- 21st Century"
   Southworth, John CRDG
   To promote innovative use of technology applications to education and community awareness programs such as Global Learn Day.
### SUMMARY

### EXTRAMURAL RESEARCH AWARDS,

#### DISTRIBUTION BY SPONSORS

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## SUMMARY

### EXTRAMURAL NON-RESEARCH AWARDS

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## YEAR-TO-DATE SUMMARY
**EXTRAMURAL RESEARCH AWARDS, JULY, 2004 - JANUARY, 2005**

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| Total | 629 | $133,857,897 | 100.00 |

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*Attachment #3 - Board of Regents’ Meeting, 3/17/05*
YEAR-TO-DATE SUMMARY
EXTRAMURAL NON-RESEARCH AWARDS, JULY, 2004 - JANUARY, 2005
DISTRIBUTION BY SPONSORS

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Awards Received by University of Hawaii at Hilo

RESEARCH AWARDS

NONE

NON-RESEARCH AWARDS

FROM: NASA-Nat'l Aeronautics & Space Administration

1. NASA-Nat'l Aeronautics & Space Administration  $732,200
   “New Tech MKAEC"
   Rose Tseng  UHH-Distance Education & Instructional Technology

FROM: US Colleges and Universities

1. California Institute of Technology, Jet Propulsion Laboratory  $ 72,532
   “Exo-Planet Theory/Observation"
   William Heacox  UHH-Natural Science
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UNIVERSITY OF HAWAII AT HILO SUMMARY

EXTRAMURAL NON-RESEARCH AWARDS, JANUARY 2005 - JANUARY 2005

DISTRIBUTION BY SPONSORS

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UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

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36
DONATION (Gift)

Equipment for Photonics Curriculum .................................................. $173,800

Recipient: UH-Mānoa, College of Engineering, Electrical Engineering Department
Donor: Boeing Corporation
Donated: December 2004

Lasers, laser-related equipment, optical equipment and materials for the UH-Mānoa College of Engineering will enhance the technology resources of the photonics curriculum of the Electrical Engineering Department. This is made possible by the generous donation from the Boeing Corp

Recommendation: That the Board accepts with thanks the gifts and grants and ratify the actions of the administration in executing the contracts.