

Gifts, Grants, and Contracts

The following gifts, grants and contracts received by all campuses except the University of Hawai'i at Hilo during the period March 1, 2008 through March 31, 2008 total \$33,364,105. The University of Hawai'i at Hilo received a total of \$530,074 during the same period.

Gifts, Grants and Contracts Received March 1 - 31, 2008

RESEARCH AWARDS

FROM: DA-Dept of Agriculture

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|----|---|----------|
| 1. | DA-Dept of Agriculture | \$22,000 |
| | "Funding for Mutual Interest" | |
| | Grace, J Kenneth Plant & Environmental Protection | |
| | Continuation of student assistant(s) at Manoa ARS facility for on-going research and grant studies. | |

FROM: Dept of Education

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| 1. | DOI-Geological Survey | \$92,335 |
| | "Water Resources Research Institute Annual Base Program 2008" | |
| | Moncur, James E T Water Resource Research | |
| | Summary of 6 USGS WRRIP 2008 Proposals. | |

FROM: DHHS-Dept of Health & Human Services

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| 1. | National Institutes of Health | \$330,868 |
| | "Effects of Soy on Estrogens in Breast Fluid and Urine" | |
| | Maskarinec, Gertraud Cancer Research Center | |
| | Examine two alternate hormonal mechanisms of action for soy: modification of estrogen levels and epithelial cells directly in the breast and modulation of urinary estrogen metabolite patterns. | |
| 2. | National Institutes of Health | \$233,887 |
| | "HIV-1 Proviral DNA and Monocyte Phenotype in Relation to Neurocognitive Function" | |
| | Shiramizu, Bruce Pediatrics- MED | |
| | The objective is to understand mechanisms how HIV affects monocytes and causes dementia in HIV-1-infected individuals. | |
| 3. | National Institutes of Health | \$57,828 |
| | "GRS Supplement to University HI Research Scientist Award in Molecular Cardiology" | |
| | Shohet, Ralph Medicine- MED | |
| | The goal of this project is to support a minority graduate student in pursuing biomedical scientific inquiry. | |

11. NIH-Nat'l Inst of General Medical Sciences \$262,363
 "Dynamin: Ligand Interactions and Conformational Dynamics"
 Jameson, David M Cell & Molecular Biology- MED
 An important process in all living cells is called endocytosis which refers to the way in which cells can take in vital biomolecules. The protein dynamin is critical for this process. The overall goal of the proposed research is to investigate specific protein-protein and protein-lipid interactions of dynamin which are implicated in endocytosis.
- FROM: DOC-Dept of Commerce
1. DOC-National Oceanic & Atmospheric Administration \$1,965,000
 "Sea Grant College Program Institutional Program"
 Grau, E Gordon Sea Grant - SOEST
 To promote an innovative and effectively managed program of research, education, and outreach directed to the improved understanding, management, and wise use of marine resources of the state, region, and nation.
2. DOC-National Oceanic & Atmospheric Administration \$21,770
 "CRES (2007): Investigating Deep (50-100m) Coral Reefs in Hawaii"
 Popp, Brian N Geology & Geophys - SOEST
 We will study the food habits and ecology of fish associated with deep reefs in Hawaii.
3. NOAA-National Ocean Service (NOS) \$56,325
 "Cooperative Agreement for Integrated Coral Ecosystem Mapping and Monitoring of U.S. Pacific Reefs"
 Jokiel, Paul L Haw Inst Marine Bio-SOEST
 This project represents a collaborative effort to map, describe and evaluate coral reefs throughout Hawaii and the Pacific.
- FROM: DOD-Dept of Defense
1. DOD-Air Force Office of Scientific Research \$115,124
 "Physical and Genetic Mechanisms Guiding the Evolution and Development of Dendritic, Flapping Insect-Wings"
 Kobayashi, Marcelo Mechanical Engineering
 The primary goal of this endeavor is to conduct a comparative study of the morphology of insect wing veins to identify morphological features that have been the target of natural selection for wing robustness and flight performance.
2. DOD-Dept of Air Force \$4,703
 "AEOS Faint-Object Adaptive Corrector (AFOAC)"
 Chun, Mark Institute for Astronomy
 This proposal is to supply a complete natural guide star adaptive optics system based on curvature wavefront sensing for the Air Force Maui Optical and Supercomputing Site's telescope is revised to include an initial phase to obtain on-sky measurements using the existing IFA adaptive optics system (Hokupaa-85).

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.	\$8,355
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	\$75,195
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.	\$5,695
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.	\$10,298,019
7.	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.	\$292,425
8.	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.	\$5,060
9.	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.	\$1,139
10.	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.	\$3,036

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| 11. | 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. | \$1,965,627 |
| 12. | 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. | \$41,775 |
| 13. | DOD-Dept of Navy
"Response of Marine Vehicles Advancing in a Seaway and in the Surf Zone"
Cheung, Kwok F Ocean & Resources Engineering -
Develop a hydroelasticity model for marine vehicles advancing in a seaway and a CFD toolbox to model dynamic response of marine vehicles in the surf zone. | \$147,432 |
| 14. | DOD-Dept of Navy
"Tropical Cyclone Genesis and Sudden Changes of Trade and Intensity in the Western Pacific"
Wang, Bin Meteorology - SOEST
This proposal addresses a number of important issues relating to sudden changes in the track, storm scale structure, and intensity of the tropical cyclones in the western Pacific. | \$98,881 |
| 15. | DOD-Naval Research Laboratory
"Developing cDNA Libraries of Receptors Involved in the Recruitment of the Biofouling Tubeworm Hydroides elegans"
Hadfield, Michael G Pacific Biosciences Research
This project will develop cDNA libraries for analysis of receptors involved in the recruitment of the biofouling tubework Hydroides elegans. We plan to make at least two developmental stage-specific cDNA libraries. | \$41,953 |
| 16. | DOD-Naval Research Laboratory
"Ion Tiger UAV"
Rocheleau, Richard E Haw Nat Energy Inst -SOEST
Conduct research for the improvements of power sources for small military systems via material and systems development. | \$250,000 |
| 17. | DOD-Naval Research Laboratory
"Development of a Combined Raman and LIBS System for Stand-off Detection of Explosive Residues"
Sharma, Shiv K Haw Inst Geophys & Planet
The purpose of this proposal is to develop a combined Raman and LIBS system for a stand-off detection of explosives and residues. | \$244,589 |

FROM: DOE-Dept of Energy		
1.	DOE-Dept of Energy	\$140,000
	"Hydrogen Fuel Contaminant Studies for PEM Fuel Cells"	
	Rocheleau, Richard E	Haw Nat Energy Inst -SOEST
	Testing and analysis to characterize the effect of low level contaminants on PEM fuel cells.	
FROM: National Science Foundation		
1.	National Science Foundation	\$400,481
	"CAREER: Fully Elastic, Compression Carbon Nanotubes with Controlled Strength, Flexibility, and Resilience"	
	Cao, Anyuan	Mechanical Engineering
	Fabrication and large-scale assembly of buckled carbon nanotubes working as compression springs. Investigation of buckling behavior of nanotubes under compression, and controlling mechanical properties such as strength, flexibility, and resilience. Probing applications such as energy absorption layers.	
2.	National Science Foundation	\$247,315
	"Towards Better InSAR Event Detection: Modeling Atmospheric Artifacts"	
	Foster, James	Haw Inst Geophys & Planet
	High resolution weather atmospheric model.	
3.	National Science Foundation	\$78,408
	"Collaborative Research: Testing a New Empirical Law Relating the Efficiency of Thermoremanent Magnetization (TRM) and Saturation Magnetization (Ms)"	
	Fuller, Michael D	Haw Inst Geophys & Planet
	Understanding of thermo-remanent magnetization (TRM).	
4.	National Science Foundation	\$87,812
	"Collaborative Research: Hawaiian Plume Heterogeneity Revealed by Kilauea's Ongoing Eruption, Prehistoric Lavas and Olivine-hosted Melt Inclusions"	
	Garcia, Michael O	Geology & Geophys - SOEST
	To analyze historical lavas from Kilauea volcano to evaluate the heterogeneity and melting processes in the Hawaiian plume.	
5.	National Science Foundation	\$130,119
	"Collaborative Research: Biological and Physical Controls on DMS Production and Emission During VOCALS"	
	Huebert, Barry J	Oceanography - SOEST
	Some dimethylsulfide gas (DMS) from algae escapes from the ocean to the atmosphere. It affects how much incoming sunlight is scattered back to space by low clouds, potentially stabilizing climate. We will quantify the effects of light on biological DMS formation and of winds on moving DMS to the atmosphere.	

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| 6. | National Science Foundation
"Collaborative Research: Processes, Feedbacks and Air-Sea Carbon Dioxide Exchange in the Land-Coastal Ocean System"
Mackenzie, Fred T Oceanography - SOEST
To study the global changes from the air-sea carbon dioxide exchange in the land-coastal system. | \$163,771 |
| 7. | National Science Foundation
"Collaborative Research: Knowledge, Attitudes and Behavioral Intentions of Essential Personnel with Respect to Avian Influenza and SARS"
Qureshi, Kristine School of Nursing & Dental
Develop, administer and analyze a survey to access knowledge, beliefs, attitudes and intentions of health care responders for SARS or Avian Influenza. | \$75,000 |
| 8. | National Science Foundation
"Dynamics and Moist Thermodynamics of Boreal Summer Intraseasonal Oscillation"
Wang, Bin Meteorology - SOEST
This work investigate physical processes governing boreal summer intraseasonal variation of the tropical atmosphere. | \$175,242 |
| 9. | National Science Foundation
"Study of Processes Leading to Tropical Cyclone Structure and Intensity Changes"
Wang, Yuqing Meteorology - SOEST
Comprehensive study on processes that can lead to considerate tropical cyclone structure and intensity changes with idealized numerical experiments and diagnostic analysis. | \$123,261 |
| 10. | National Science Foundation
"REU Site: Astronomy in Hawaii"
Williams, Jonathan P Institute for Astronomy
The REU Site program at the UH Institute for Astronomy provides astronomy research experiences to undergraduate students from across the United States during a 10 week summer program. Students will conduct an individual research project while being mentored by IFA faculty, observe on one of the telescopes at Mauna Kea, and present at a national conference. | \$139,046 |

FROM: Nat'l Aeronautics & Space Administration

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| 1. | Nat'l Aeronautics & Space Administration
"Single and Multi-layered Ejecta Craters: Characterization of Morphology and Assessment of Possible Mechanisms of Ejecta Emplacement"
Boyce, Joseph Haw Inst Geophys & Planet
Proposal to use morphology of impact crater on Mars to understand their ejecta emplacement mechanics. | \$10,200 |
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| 2. | Nat'l Aeronautics & Space Administration
"Measurement and Analysis of Aerosol Physio-chemistry and Optical Properties in Support of ARCTAS"
Clarke, Antony D Oceanography - SOEST
To support NASA's mission objectives on board the proposed aircraft P-3b, primarily airborne instrumentation. | \$166,700 |
| 3. | Nat'l Aeronautics & Space Administration
"ANITA: Antarctic Impulsive Transient Antenna"
Gorham, Peter W Physics & Astronomy
To fly a long duration balloon mission to address the question of the nature and origin of the highest energy cosmic rays, and the ultimate limits of energy in the universe. | \$481,215 |
| 4. | Nat'l Aeronautics & Space Administration
"Characterization of Hg: Cd: Te Avalanche Photo Diode Arrays: a Path to an Infrared Photon Counting Array"
Hall, Donald N B Institute for Astronomy
The objective of this proposed research is to completely bypass the voltage read noise in conventional charge integrating arrays by demonstrating noiseless infrared photon counting detector arrays limited only by natural background. We propose to demonstrate this for the near infrared utilizing existing, space qualified components. | \$287,936 |
| 5. | Nat'l Aeronautics & Space Administration
"Partial Funding of the Acquisition of an Electron Microprobe"
Keil, Klaus Haw Inst Geophys & Planet
Study of extraterrestrial materials such as meteorites from asteroids, Moon and Mars and returned lunar samples to understand the history of solid materials in the first few million years of Solar System history, and the formation of planetesimals, asteroids and planets. | \$400,000 |
| 6. | Nat'l Aeronautics & Space Administration
"Support Development of Next Generation Coronagraph"
Kuhn, Jeffrey R Institute for Astronomy
Modify the SOLARC facility to integrate it with the GSFC Instrument, including interface design, implementation, and operation costs. | \$10,000 |
| 7. | Nat'l Aeronautics & Space Administration
"Data-Intensive Research and Model Development at the International Pacific Research Center (IPRC)"
McCreary, Julian P Sch Ocean, Earth Sci & Tec
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-AMS). | \$1,050,000 |

8. Nat'l Aeronautics & Space Administration \$125,599
 "The Origin, History and Distribution of Waters and Its Relations to the Life in the Universe"
 Meech, Karen J Institute for Astronomy
 This project will trace the history of water from its formation in the interstellar medium to incorporation in the solar system, how it reaches the terrestrial planets, and its role in life.

FROM: Hawaii- Government Agencies

1. County of Hawaii \$125,000
 "Coqui Frog Community Education/Outreach/Applied Research"
 Hara, Arnold H Plant & Environmental Protection
 The overall objective of this proposal is to conduct effective community education and outreach programs on the biology and control of the coqui frog and to conduct applied research on chemical and non-chemical controls to mitigate the coqui frog in Hawaii County.
2. Hawaii-Dept of Health \$63,000
 "Hair Analysis for Mercury and Arsenic Exposure"
 Li, Qingxiao Molecular Biosci & Biosyst
 To assist the Hazard Evaluation and Emergency Response Office, Hawaii Department of Health in establishing a biomonitoring project to assess exposure to hazardous substances in the environment. Mercury and arsenic will be measured in hair collected from Women, Infant and Child participants.
3. Hawaii-Dept of Human Services \$208,783
 "Memorandum of Understanding to Provide Technical Assistance Services"
 Else, Iwalani Psychiatry- MED
 Conduct a needs assessment to provide DHS with the necessary data for short and long term strategic planning for the delivery of Medicaid-funded behavioral health services to the underserved and poor on the Big Island of Hawaii.
4. Hawaii-Dept of Land & Natural Resources \$391,627
 "Koolau Mountains Watershed Partnership Management Plan Implementation, FY 08"
 Duffy, David Botany
 Research and manage watershed conservation in the Koolau Mountains on Oahu.
5. Hawaii-Dept of Land & Natural Resources \$850,558
 "Support for the HISC Program"
 Duffy, David Botany
 Coordinate invasive species management and control programs for various entities, assess new invasive species risks, ensure good science is applied to management plans, and implement a public outreach program.

2. ChemImage Corporation \$33,131
 "Stand-Off Raman Sensor (Subcontract)"
 Sharma, Shiv K Haw Inst Geophys & Planet
 This proposal seeks support for collaborating with Chem Image Corporation, Pittsburgh, PA for developing Stand-Off UV Raman technique for detecting explosives.
- FROM: Mainland- Other
1. Space Telescope Science Institute \$7,261
 "The Cosmos 2 Degree ACS Survey"
 Sanders, David B Institute for Astronomy
 To assist with observations on Mauna Kea observatory and compute photometric redshifts.
2. Woods Hole Oceanographic Inst \$30,905
 "Glacial Radiocarbon Constraints from Drake Passage Deep-Sea Corals"
 Waller, Rhian Sch Ocean, Earth Sci & Tec
 Collecting images and samples of fossil and live deep-water corals in the Drake Passage to investigate species richness, biodiversity and habitat complexity in this area.
- FROM: U.S. Universities and Colleges
1. Colorado School of Mines \$40,080
 "Renewable Biosolar Hydrogen Production from Robust Oxygen Phototrophs"
 Bidigare, Robert R Haw Inst Marine Bio-SOEST
 To perform studies that will produce new methods for optimizing the yield of photosynthetic H₂ and will identify new wild strains and engineer new hybrid strains of photosynthetic microorganisms capable of more efficient and more economical H₂ production as a renewable fuel source derived from water.
2. Northeastern University \$61,845
 "Endocannabinoid Active Sites as Therapeutic Targets"
 Tius, Marcus A Chemistry
 Preparation through chemical synthesis of a series of organic small molecules to use as probes for biological function.
3. Univ of Arizona \$29,280
 "JWST Near Infrared Camera Co-Investigator Support"
 Hodapp, Klaus W Institute for Astronomy
 Develop an observational program using JWST to addressing a broad spectrum of scientific issues, advising the NIR Cam PI and developing required data analysis.
4. Univ of California- Los Angeles \$32,517
 "Subgrant from "CAREER: The Coordination of Leaf Hydraulics, Structure and Gas Exchange"
 Ranker, T A Botany
 Research on the coordination of leaf structure, hydraulics, physiology and ecology of Native Hawaiian plant species. Support of UHM Botany Department graduate students as research assistants for the project.

5. Univ of Maryland	\$65,000
"EPOXI Mission"	
Meech, Karen J	Institute for Astronomy
To reduce and analyze data obtained (including recovering the comet) and characterizing the nucleus for the EPOXI Mission.	
6. Univ of Mississippi	\$62,928
"Technical Support for CTBT Infrasound Sites"	
Garces, Milton	Haw Inst Geophys & Planet
Analyze and compare data and modify algorithms from various infrasonic sounds from the Big Island, Southwestern US, Washington, Ecuador.	
7. Univ of Mississippi	\$71,185
"Technical Support for CTBT Infrasound Sites"	
Garces, Milton	Haw Inst Geophys & Planet
Analyze and compare data and modify algorithms from various infrasonic sounds from the Big Island, Southwestern US, Washington, Ecuador.	
8. Univ of Texas- Austin	\$15,636
"Protoplanetary Disks Around the Lowest Mass Brown Dwarfs"	
Allers, Katelyn	Institute for Astronomy
To study the disks around objects with masses from 6 M-Jupiter up to the hydrogen burning limit, with emphasis on the lowest mass disks.	
FROM: All Non-U.S.	
1. Norwegian Embassy, New Delhi, India	\$127,053
"Climate Change and Persistent Droughts: Impacts, Vulnerability and Adaptation in Rice Growing Subdivisions of India"	
Annamalai, H	Meteorology - SOEST
The goal of the proposal is to understand how in a future warmer climate, would drought conditions behave in India, in particular persistence of droughts or failure of the monsoon for 3-4 years in succession and their impacts on crop production and drinking water supply.	
2. RIKEN	\$8,060
"RIKEN Observing on UH 2.2 meter Telescope"	
Aspin, Colin	Institute for Astronomy
Collaborative research by the Cosmic Radiation Laboratory, RIKEN and UH 2.2 meter Telescope.	
3. St. Thomas University (STU)	\$45,698
"Influence of Demographic and Economic Changes on the Development of Private Universities in the Osaka and Hyogo Prefectures"	
Englert, Peter	Haw Inst Geophys & Planet
The influence of the falling number of eligible students and the changing economic basis in the Hyogo and Osaka prefectures of Japan on the development of private higher education institutions will be investigated.	
4. Subaru Telescope	\$7,917
"Software Graphical Interface for HiCIAO"	
Hodapp, Klaus W	Institute for Astronomy
Create graphical user interface software (GUI) for the specified instrument.	

FROM: Miscellaneous

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| 1. | Center for Tropical and Subtropical Aquaculture (CTSA) | \$35,000 |
| | "Improving Outputs in the Commercial Scale Production of Swordtails - Year 2" | |
| | Tamaru, Clyde S | Sea Grant - SOEST |
| | The overall goal of the proposed project is to elevate swordtail production in Hawaii to the point where it becomes a major driver in the expansion of the freshwater ornamental fish industry. The main way this is to be achieved is by the establishment of populations of all female homozygous lyretail broodstock that can be distributed to Hawaii's swordtail producers. | |

NON-RESEARCH AWARDS

FROM: DHHS-Dept of Health & Human Services

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| 1. | National Institutes of Health | \$178,901 |
| | "High School Students STEP-UP to Biomedical Research" | |
| | Hui, George S N | Trop Med - Med Micro- MED |
| | To provide biomedical research training for high school students of ethnic minority and economically disadvantaged background. | |

FROM: DOC-Dept of Commerce

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| 1. | DOC-National Oceanic & Atmospheric Administration | \$41,500 |
| | "Dean John A. Knauss Marine Policy Fellowship - P. Maurin" | |
| | Grau, E Gordon | Sea Grant - SOEST |
| | Provide educational experience in the policies and processes of the legislative and executive branches of the federal government to graduate students in marine and aquatic-related fields. | |

FROM: ED-Dept of Education

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| 1. | ED-Dept of Education | \$135,000 |
| | "National Resource Center and Foreign Language and Area Studies Fellowships - FLAS" | |
| | Hanlon, David L. | History |
| | 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. | |
| 2. | ED-Dept of Education | \$83,000 |
| | "Advanced Filipino Abroad Program" | |
| | Mabanglo, Ruth | Haw'n & Indo-Pac Language |
| | Eight week advanced Filipino language immersion project in De La Salle University-Dasmarias campus, set in a rural town in Cavite Province, Philippines. This is funded by Fulbright-Hays Groups Projects Abroad of the United States Department of Education. | |
| 3. | ED-Dept of Education | \$65,450 |
| | "Advanced Study of Khmer (ASK) - Summer Abroad Intensive Program in Cambodia" | |
| | Sak-Humphry, Chhany | Haw'n & Indo-Pac Language |
| | The intensive and immersion advanced study of Khmer language program in Cambodia. | |

FROM: National Science Foundation		
1.	National Science Foundation "Graduate Research Fellowship Program" Garrod, Peter V Graduate Division To provide graduate students the opportunity to further their education by funding their research projects.	\$326,000
2.	National Science Foundation "Eco-DAS: Ecological Dissertations in the Aquatic Sciences Series" Kemp, Paul Oceanography - SOEST The Eco-DAS symposium series designed to facilitate workshops and conferences to encourage and foster interdisciplinary collaborations among early career scientists to benefit both science and researchers in Aquatic Sciences.	\$550,019
FROM: Nat'l Aeronautics & Space Administration		
1.	Nat'l Aeronautics & Space Administration "The Hawaii NASA EPSCoR Program: Educating the New NASA Workforce" Flynn, Luke P Haw Inst Geophys - SOEST This proposal establishes the Hawaii EPSCoR Program and elaborates on three tasks: (1) forming an advisory committee, (2) creating a workforce development project on Kauai, and (3) exploring new research opportunities with NASA Ames and JPL Centers.	\$150,000
FROM: Independent Federal Agencies- Minor		
1.	Corporation for National and Community Service "The Health Disparities Service-Learning Collaborative Program" Maddock, Jason E Public Health Sciences This grant will enhance service-learning to address health disparities in the Department of Public Health Sciences.	\$23,275
FROM: Hawaii- Government Agencies		
1.	Hawaii-Dept of Education "Provision of Professional Development in Mathematics" Slovin, Hannah CRDG CRDG shall provide professional development to examine instructional strategies, to enhance mathematical content knowledge to help students think algebraically and become better problem solvers, and to problem solve ways to help struggling students.	\$9,240
2.	Hawaii-Dept of Health "Child Residency Training ASO Log No. 02-002" Guerrero, Anthony Psychiatry- MED Provide training and administrative support service to psychiatric residents and fellows for the Department of Health, Child and Adolescent Mental Health Division as outlined in the scope of services in the contract.	\$711,452
3.	Hawaii-Dept of Land & Natural Resources "State Land Conservation Fund Program Development and Coordination" Duffy, David Botany Coordinate the Legacy Land Conservation Program to aide the acquisition of lands with natural resource value that are in danger of being developed.	\$10,000

4. Hawaii-Dept of Land & Natural Resources	\$9,495
"West Nile Virus Early Detection on Oahu (Dead Bird Retrieval Program)"	
Duffy, David	Botany
Identify reported bird carcasses and take them to Hawaii Dept. of Health testing facilities as a first defense against the import of West Nile Virus.	
5. Hawaii-Judiciary	\$10,000
"History of the Pacific Judicial Conference"	
Van Dyke, Jon M	School of Law
Research and editorial work on the history of the Pacific Judicial Conference. Research involves interviewing key judges involved in the Pacific Judicial Conferences over the past years.	
FROM: Hawaii- Associations, Foundations, Societies, etc.	
1. Hawaii Disability Rights Center	\$18,315
"Hawaii Disability Rights Center Technical Assistance Contract"	
Johnson, Jean	Center on Disability Studies
The HDRC is in need of technical assistance in areas of mutual interest relative to disability issues. CDS will provide expertise and personnel to assist in research on these disability issues.	
2. Nat'l Resource Conservation Service	\$8,000
"Hawaii Conservation Alliance"	
Kaneshiro, Kenneth Y	Pacific Biosciences Research
Outreach to increase awareness and involvement in conserving and managing Hawaii's ecosystems. Production of an annual report on effective conservation in the Hawaiian Islands.	
FROM: Hawaii- Business and Other	
1. Akaku Maui Community Television	\$64,033
"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.	
FROM: Mainland- Associations, Foundation, Soc, etc.	
1. Casey Foundation (Annie E Casey)	\$75,000
"2008 Hawaii Kids Count Plan Guidelines"	
Yuen, Sylvia H L	Center on the Family
Hawaii Kids Count's objective is to improve the well-being of Hawaii's children and families by increasing public awareness of their conditions and serving as a catalyst for positive action on their behalf. Activities include maintaining a database of child and family indicators, tracking indicators over time, and writing/disseminating reports on critical issues.	
FROM: Mainland- Business	
1. Aura, Inc	\$3,000
"Purchase Order 27593AN NICI Backup Deformable Mirror and Blank"	
Ftaclas, Christ	Institute for Astronomy
Manufacture 2 mirrors for Association of Universities for Research in Astronomy, Inc.	

Funds Received from UH Foundation

RESEARCH AWARDS

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

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| 1. Univ of Hawaii Foundation | \$16,500 |
| "M. Carbone Laboratory - UH Foundation Account #124-7980-4" | |
| Carbone, Michele | Cancer Research Center |
| Salary for Graduate Assistant in Dr. Carbone's lab. | |
| 2. Univ of Hawaii Foundation | \$50,000 |
| "Seafloor Hydrothermal Research" | |
| Martinez, Fernando | Haw Inst Geophys & Planet |
| Further the instructional and research objectives of the University of Hawaii with the study of seafloor hydrothermal systems including sea-going expeditions, student training, and research into the formation, nature and evolution of seafloor hydrothermal systems. | |

NON-RESEARCH AWARDS

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

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| 1. Univ of Hawaii Foundation | \$48,562 |
| "Osher Lifelong Learning Institute" | |
| Dubanoski, Richard A | College of Social Sciences |
| To provide partial funding for Director of the Osher Lifelong Learning Institute for the period 04/01/08 - 03/31/09. | |
| 2. Univ of Hawaii Foundation | \$8,000 |
| "Philosophy in the Schools Educational Specialists" | |
| Jackson, Thomas E | Philosophy |
| Educational Specialists to assist classroom teachers in philosophical discussions with students; help prepare classroom lessons; maintain research journals. | |
| 3. Univ of Hawaii Foundation | \$5,000 |
| "President's Emerging Leaders Program, 2007-08" | |
| Johnsrud, Linda | College of Education |
| To pay for program costs related to the President's Emerging Leaders Program for the period of August 1, 2007 through June 30, 2008. | |
| 4. Univ of Hawaii Foundation | \$1,000 |
| "Teaching Korean Pronunciation" | |
| Park, Mee Jeong | East Asian Language & Lit |
| Pay for Graduate Research assistant salary. | |
| 5. Univ of Hawaii Foundation | \$1,900 |
| "The Florence Macaulay Lecture" | |
| Shultz, Edward J | School of Hawaiian, Asian & Pacific |
| To fund the Florence Macaulay lectures in Asian and Pacific Studies. | |
| 6. Univ of Hawaii Foundation | \$56,440 |
| "Law School Annual Fund" | |
| Soifer, Aviam | School of Law |
| Process payment for Law School UHF account with payroll and tax implications. | |

SUMMARY
EXTRAMURAL RESEARCH AWARDS,
DISTRIBUTION BY SPONSORS

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	1	\$22,000	0.08
Dept of Education	1	\$92,335	0.33
DHHS-Dept of Health & Human Services	11	\$5,136,503	18.29
DOC-Dept of Commerce	3	\$2,043,095	7.27
DOD-Dept of Defense	17	\$13,599,008	48.41
DOE-Dept of Energy	1	\$140,000	0.50
National Science Foundation	10	\$1,620,455	5.77
Nat'l Aeronautics & Space Administration	8	\$2,531,650	9.01
Hawaii- Government Agencies	7	\$1,875,673	6.68
Hawaii- Associations, Foundations, Societies, etc.	4	\$208,484	0.74
Hawaii- Business and Other	1	\$26,710	0.10
Mainland- Associations, Foundation, Soc, etc.	1	\$52,900	0.19
Mainland- Business	2	\$101,973	0.36
Mainland- Other	2	\$38,166	0.14
U.S. Universities and Colleges	8	\$378,471	1.35
All Non-U.S.	4	\$188,728	0.67
Miscellaneous	1	\$35,000	0.12
	82	\$28,091,151	100.00

SUMMARY
 EXTRAMURAL NON-RESEARCH AWARDS,
 DISTRIBUTION BY SPONSORS

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DHHS-Dept of Health & Human Services	1	\$178,901	3.39
DOC-Dept of Commerce	1	\$41,500	0.79
ED-Dept of Education	3	\$283,450	5.38
National Science Foundation	2	\$876,019	16.61
Nat'l Aeronautics & Space Administration	1	\$150,000	2.84
Independent Federal Agencies- Minor	1	\$23,275	0.44
Hawaii- Government Agencies	5	\$750,187	14.23
Hawaii- Associations, Foundations, Societies, etc.	8	\$147,217	2.79
Hawaii- Business and Other	1	\$64,033	1.21
Mainland- Associations, Foundation, Soc, etc.	1	\$75,000	1.42
Mainland- Business	1	\$3,000	0.06
U.S. Universities and Colleges	3	\$56,036	1.06
All Non-U.S.	4	\$2,569,787	48.74
Miscellaneous	1	\$54,549	1.03
	33	\$5,272,954	100.00

YEAR-TO-DATE SUMMARY
EXTRAMURAL RESEARCH AWARDS,
DISTRIBUTION BY SPONSORS

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
World Turtle Trust	1	\$49,533	0.03
DA-Dept of Agriculture	24	\$2,881,210	1.79
Dept of Education	27	\$1,809,484	1.12
DHHS-Dept of Health & Human Services	73	\$40,117,974	24.86
DOC-Dept of Commerce	56	\$25,047,094	15.52
DOD-Dept of Defense	124	\$35,420,885	21.95
DOE-Dept of Energy	11	\$1,648,309	1.02
ED-Dept of Education	1	\$300,000	0.19
Environmental Protection Agency	3	\$183,569	0.11
National Science Foundation	91	\$18,882,144	11.70
Nat'l Aeronautics & Space Administration	60	\$8,041,901	4.98
Independent Federal Agencies- Minor	1	\$120,000	0.07
Hawaii- Government Agencies	72	\$9,464,308	5.87
Hawaii- Associations, Foundations, Societies, etc.	45	\$2,054,724	1.27
Hawaii- Business and Other	24	\$1,507,616	0.93
Hawaii- Health Organizations	6	\$235,130	0.15
Mainland- Associations, Foundation, Soc, etc.	19	\$1,129,153	0.70
Mainland- Business	32	\$2,920,025	1.81
Mainland- Health Organizations	7	\$911,583	0.56
Mainland- Other	34	\$1,832,414	1.14
U.S. Universities and Colleges	65	\$5,713,137	3.54
All Non-U.S.	15	\$766,689	0.48
Miscellaneous	4	\$323,422	0.20
	795	\$161,360,303	100.00

YEAR-TO-DATE SUMMARY
EXTRAMURAL NON-RESEARCH AWARDS,
DISTRIBUTION BY SPONSORS

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	11	\$2,799,559	2.72
Dept of Education	11	\$697,466	0.68
DHHS-Dept of Health & Human Services	31	\$16,279,350	15.83
DOC-Dept of Commerce	17	\$1,656,249	1.61
DOD-Dept of Defense	7	\$2,262,966	2.20
ED-Dept of Education	45	\$17,462,375	16.98
HUD-Dept of Housing & Urban Development	2	\$1,381,247	1.34
Environmental Protection Agency	1	\$14,114	0.01
National Science Foundation	13	\$4,139,226	4.02
Nat'l Aeronautics & Space Administration	7	\$873,646	0.85
Independent Federal Agencies- Minor	6	\$686,995	0.67
Hawaii- Government Agencies	98	\$28,379,531	27.59
Hawaii- Associations, Foundations, Societies, etc.	79	\$4,947,685	4.81
Hawaii- Business and Other	28	\$3,848,959	3.74
Hawaii- Health Organizations	25	\$9,661,629	9.39
Mainland- Associations, Foundation, Soc, etc.	17	\$995,739	0.97
Mainland- Business	5	\$322,330	0.31
Mainland- Health Organizations	2	\$20,540	0.02
Mainland- Other	8	\$253,271	0.25
U.S. Universities and Colleges	23	\$986,158	0.96
All Non-U.S.	18	\$5,068,582	4.93
Miscellaneous	3	\$115,770	0.11
	<u>457</u>	<u>\$102,853,386</u>	<u>100.00</u>

Awards Received by University of Hawaii at Hilo

RESEARCH AWARDS

FROM: Hawaii Government
Agencies

- | | | |
|----|--|-----------|
| 1. | State of Hawaii
"Management of Invasive Species Data, Phase II" | \$ 47,600 |
|----|--|-----------|

Kevin Hopkins	UHH Aquaculture
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- | | | |
|----|--|----------|
| 2. | State of Hawaii
"Humuula Gorse Project 2" | \$ 1,563 |
|----|--|----------|

Rebecca Ostertag	UHH Biology
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FROM: US Colleges &
Universities

- | | | |
|----|---|-----------|
| 1. | University of Illinois at
Chicago
"Studies on Biodiversity of Vietnam and Laos" | \$ 83,054 |
|----|---|-----------|

John Pezzuto	UHH Pharmacy
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NON-RESEARCH AWARDS

FROM: National Science
Foundation

- | | | |
|----|---|------------|
| 1. | National Science Foundation
"Hawaiian Values Science & Technology, Phase II" | \$ 250,000 |
|----|---|------------|

Sonia Juvik	UHH Social Science
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FROM: Hawaii Associations, Foundations & Societies

- | | | |
|----|---|------------|
| 1. | ALU Like, Inc.
"Ulukau - Curriculum" | \$ 147,857 |
|----|---|------------|

Keiki Kawaiaea	UHH Hawaiian Language
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UNIVERSITY OF HAWAII AT HILO SUMMARY
EXTRAMURAL RESEARCH AWARDS: MARCH 2008
DISTRIBUTION BY SPONSORS

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
Hawaii Government Agencies	2	\$ 49,163	37.2%
US Colleges & Universities	1	\$ 83,054	62.8%
Total	3	\$ 132,217	100.0%

UNIVERSITY OF HAWAII AT HILO SUMMARY
EXTRAMURAL NON-RESEARCH AWARDS: MARCH 2008
DISTRIBUTION BY SPONSORS

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
National Science Foundation	1	\$ 250,000	62.8%
Hawaii Associations, Foundations & Societies	1	\$ 147,857	37.2%
Total	2	\$397,857	100.0%

UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

EXTRAMURAL RESEARCH AWARDS: JULY 2007 - MARCH 2008

DISTRIBUTION BY SPONSORS

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DOA-Department of Agriculture	9	\$ 393,875	10%
DHHS-Dept of Health and Human Services	6	\$ 1,712,286	42%
DOI-Department of Interior	27	\$ 1,491,181	36%
DOJ-Department of Justice	1	\$ 23,406	1%
NSF-National Science Foundation	2	\$ 90,500	2%
NON-US Entities	1	\$ 20,800	1%
Hawaii Government Agencies	7	\$ 102,842	3%
Hawaii Business and Other	3	\$ 105,123	3%
Hawaii Associations, Foundations & Societies	1	\$ 31,000	1%
US Colleges & Universities	2	\$ 135,466	3%
Total	57	\$ 4,106,479	100%

UNIVERSITY OF HAWAII AT HILO YEAR-TO-DATE SUMMARY

EXTRAMURAL NON-RESEARCH AWARDS: JULY 2007 - MARCH 2008

DISTRIBUTION BY SPONSORS

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DOA-Department of Agriculture	1	\$ 11,500	0.1%
ED-Department of Education	8	\$ 3,812,578	48.8%
DHHS-Dept of Health and Human Services	2	\$ 386,382	4.9%
Dept of State	1	\$ 6,300	0.1%
NSF-National Science Foundation	3	\$ 1,024,068	13.1%
Mainland Other	1	\$ 6,720	0.1%
Mainland Associations, Foundations & Societies	1	\$ 150,000	1.9%
US Colleges and Universities	2	\$ 163,513	2.1%
Other Colleges and Universities	1	\$ 35,711	0.5%
Hawaii Government Agencies	10	\$ 665,857	8.5%
Hawaii Business & Other	4	\$ 1,275,790	16.3%
Hawaii Associations, Foundations & Societies	3	\$ 276,307	3.5%
Total	37	\$ 7,814,726	100%