RESEARCH AWARDS

BY PRINCIPAL INVESTIGATOR
RESEARCH AWARDS

BY PRINCIPAL INVESTIGATOR

DETAIL LISTING
<table>
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<tr>
<th>#</th>
<th>Investigator</th>
<th>Institution/Project Description</th>
<th>Amount</th>
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<tr>
<td>1.</td>
<td>Albright, Cheryl</td>
<td>Cancer Research Center &quot;MedicalWorks Subcontract to Buddies Online Smoking Cessation Game&quot;</td>
<td>$25,017</td>
<td>09/01/03 - 06/30/04</td>
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<tr>
<td>2.</td>
<td>Allen, Richard D</td>
<td>Pacific Biomed Resrch Cnfr &quot;Osmoregulation and Contractile Vacuole Dynamics&quot;</td>
<td>$110,000</td>
<td>04/01/04 - 03/31/05</td>
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<td>3.</td>
<td>Allsopp, Richard</td>
<td>Anatomy- MED &quot;Castle Research Associates&quot;</td>
<td>$20,000</td>
<td>10/01/03 - 09/30/04</td>
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<td>4.</td>
<td>Alvarez, Anne M</td>
<td>Coll, Trop Ag &amp; Human Res &quot;Western Regional Center in the National Network of Plant Diagnostic</td>
<td>$77,008</td>
<td>07/01/02 - 06/30/04</td>
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<td>5.</td>
<td>Anderson, F Scott</td>
<td>Haw Inst Geophys &amp; Planet &quot;A Rugged Miniature Mass-Spectrometer for Measuring Aqueous Geochemistry on Mars&quot;</td>
<td>$75,000</td>
<td>02/05/04 - 02/04/05</td>
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<td>6.</td>
<td>Andrade, Carlos</td>
<td>Hawaiian Studies- SHAPS &quot;Kia'i Kai (Guardians of the Sea) Project: Development of Cultural Curriculum for the Northwest Hawaiian Islands&quot;</td>
<td>$100,000</td>
<td>08/18/03 - 08/17/04</td>
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<tr>
<td>7.</td>
<td>Andrade, Nalone N</td>
<td>Psychiatry- MED &quot;Pacific People's Mental Health Research Support Program&quot;</td>
<td>$593,559</td>
<td>09/01/03 - 08/31/04</td>
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<td>8.</td>
<td>Annamalai, H</td>
<td>JIMAR - SOEST &quot;Warm Pool Dynamics in the Interaction Between Asian Summer Monsoon and ENSO&quot;</td>
<td>$42,100</td>
<td>10/01/03 - 09/30/04</td>
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<td>9.</td>
<td>Antal, Michael J</td>
<td>Haw Nat Energy Inst -SOEST &quot;Bicarbonate Fuel Cell Demonstration&quot;</td>
<td>$980,000</td>
<td>10/27/03 - 12/31/06</td>
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<td>10.</td>
<td>Appelgate, T Bruce</td>
<td>Haw Inst Geophys &amp; Planet &quot;HMRG Provides SEAMAP Support Services to NAVOCENO&quot;</td>
<td>$5,284</td>
<td>05/01/03 - 08/31/03</td>
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<tr>
<td>12.</td>
<td>Arakaki, Richard F</td>
<td>Medicine- MED &quot;A One-Year, Open, Randomized, Parallel, Three-Arm Study Comparing Exubera (Insulin Dry Powder Pulmonary Inhaler) vs. Avandia (Rosiglitazone maleate)....&quot;</td>
<td>$107,118</td>
<td>11/05/03 - 11/04/04</td>
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<td>13.</td>
<td>Arakaki, Richard F</td>
<td>Medicine- MED &quot;Diabetes Prevention Program in Hawaii&quot;</td>
<td>$48,415</td>
<td>07/01/02 - 06/30/03</td>
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<td>14.</td>
<td>Arakaki, Richard F</td>
<td>Medicine- MED &quot;A Multicenter, Multinational, Randomized, 2x2 Factorial Design Study to Evaluate the Effects of LANTUS (Insulin Glargine) versus Standard Care and....&quot;</td>
<td>$200,000</td>
<td>08/01/03 - 07/30/08</td>
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<td>15.</td>
<td>Arakaki, Richard F</td>
<td>Medicine- MED &quot;Diabetes Prevention Program Outcomes Study in Hawaii&quot;</td>
<td>$94,377</td>
<td>07/01/03 - 01/31/04</td>
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<td>16.</td>
<td>Arakaki, Richard F</td>
<td>Medicine- MED &quot;A 24-Week Randomized, Double-Blind, Double-Dummy, Multicenter Study to Evaluate the Safety, Efficacy, and Tolerability of Modified-Release Avandia....&quot;</td>
<td>$50,010</td>
<td>08/29/03 - 12/08/04</td>
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<td>17.</td>
<td>Arakaki, Richard F</td>
<td>Medicine- MED &quot;Ankle-Brachial Index Substudy for CHARISMA&quot;</td>
<td>$5,000</td>
<td>10/31/03 - 10/03/06</td>
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</tbody>
</table>
18. Arakaki, Richard F  Medicine- MED
   "Efficacy and Safety of Inhaled Human Insulin (EXUBERA) Compared with Subcutaneous Human Insulin in the Therapy of Adult Subjects with Type 1 or ..."
   From Pfizer Inc
   05/14/04 - 05/01/05  (New)  $35,427

19. Arakaki, Richard F  Medicine- MED
   "Efficacy and Safety of Inhaled Human Insulin (EXUBERA) Compared with Subcutaneous Human Insulin in the Therapy of Adult Subjects with Type 1 and ..."
   From Pfizer Inc
   05/14/04 - 05/01/05  (New)  $35,427

20. Arakaki, Richard F  Medicine- MED
   "A Randomized, Double-Blind Study to Compare the Durability of Glucose Lowering and Preservation of Pancreatic Beta-Cell Function of Rosiglitazone..."
   From GlaxoSmithKline
   03/15/04 - 12/31/06  (Continuation)  $35,978

21. Arakaki, Richard F  Medicine- MED
   "A Multicenter, Multinational, Randomized, 2x2 Factorial Design Study to Evaluate the Effects of LANTUS (Insulin Glargine) versus Standard Care and..."
   From Aventis Pharmaceuticals Inc
   05/14/04 - 07/30/08  (Continuation)  $10,000

22. Archilla, Adrian Ricardo  Civil Engineering
   "Effect of Polymer Modified Asphalt Binders on the Performance of the Asphalt Concrete Mixes Used in Hawaii"
   From Hawaii-Dept of Transportation
   01/16/04 - 01/15/07  (New)  $40,000

   "Alliance Coastal Technology - UH SOEST"
   From Univ of Maryland
   05/01/03 - 04/30/04  (New)  $350,000

   "Alliance for Coastal Technology - UH Soest Partner"
   From Univ of Maryland
   05/01/04 - 04/30/05  (Renewal)  $265,655

   "Broadband Sonar Identification of Hawaiian Bottom Fish Species"
   From DOC-National Oceanic & Atmospheric Administration
   07/01/03 - 12/31/04  (New)  $128,155

   "Membrane Bioreactor Pilot Test"
   From City and County of Honolulu
   07/01/03 - 12/31/04  (New)  $25,000

27. Barnes, Gary M  Meteorology - SOEST
   "Hurricane Intensity Response to Changes in Inflow Thermodynamics"
   From National Science Foundation
   03/01/04 - 02/28/05  (Continuation)  $130,284

28. Bayman, James M  Anthropology
   "Collaborative Research: Power and Economy at the Marana Mound: Structure of an Early Classic Center Near Tucson, Arizona"
   From National Science Foundation
   07/09/03 - 11/30/04  (Supplement)  $5,000

29. Becker, Catherine  UHH- Humanities
   "Healing Encounters - Healing Island"
   From HCF-Hawaii Community Foundation - General Fund
   08/01/03 - 07/31/04  (New)  $2,465

30. Berry, Marla J  Cell & Molecular Biology
   "Mechanism of Selenoprotein Synthesis in Eukaryotes"
   From NIH-Natl Inst of Diabetes, Digestive, Kidney (NIDDKD)
   08/01/04 - 07/31/05  (Renewal)  $288,275

31. Berry, Marla J  Cell & Molecular Biology
   "Alternative Mechanisms of UGA Codon Recognition"
   From NIH-Natl Inst of Diabetes, Digestive, Kidney (NIDDKD)
   09/01/03 - 07/31/04  (Continuation)  $204,450

32. Berry, Marla J  Cell & Molecular Biology
   "Selenoprotein P Function and Regulation of Expression"
   From NIH-Natl Inst of Diabetes, Digestive, Kidney (NIDDKD)
   06/01/04 - 05/31/05  (Renewal)  $461,602

33. Bevis, Michael G  Haw Inst Geophy & Planet
   "Collaborative Research: Integrated Geodetic, Seismological and Geodynamic Studies of Deformation in the Central and Southern Andes"
   From National Science Foundation
   06/01/03 - 05/31/04  (Continuation)  $93,786

34. Bidigare, Robert R  Oceanography - SOEST
   "Collaborative Research: Influences of Cyclonic Eddy Activity on Planktonic Food Web Dynamics and Carbon Export in the Lee of Hawaii"
   From National Science Foundation
   09/15/03 - 05/30/06  (New)  $671,321
35. Bidigare, Robert R  Sch Ocean,Earth Sci & Tec
   "Marine Bioproducts Engineering Center (MarBEC)"
   From National Science Foundation
   03/16/02 - 10/31/03 (Continuation) $56,500

36. Birkeland, Charles Hawaii Coop Fishery
   "Ameliorating Coral Mortality in NPSA During Global Warming"
   From DOI-Geological Survey
   09/15/03 - 06/30/04 (New) $30,000

37. Birkeland, Charles Hawaii Coop Fishery
   "Hawaiian Coral Reef Ecosystems Conservation through a Sustainable
    Marine Aquarium Trade"
   From Marine Aquarium Council
   09/01/03 - 12/31/03 (New) $6,385

38. Birkeland, Charles Hawaii Coop Fishery
   "Extrinsic and Intrinsic Factors Affecting the Resilience of Corals to
    Climate Change, and their Use in Designing Marine Reserves"
   From DOI-Geological Survey
   05/26/04 - 12/31/04 (New) $141,000

39. Birkeland, Charles Hawaii Coop Fishery
   "Ameliorating Coral Mortality in NPSA During Global Warming"
   From DOI-Geological Survey
   06/08/04 - 09/30/05 (Supplement) $21,513

40. Bittenbender, Harry C Tropical Plant & Soil Science
    "Determination of Coffee Origins"
    From Univ of Hawaii Foundation
    02/18/04 - 12/31/04 (Continuation) $1,500

41. Bitterman, M E Pacific Biomed Rsrch Cntr
    "Learning in Honeybees"
    From National Science Foundation
    03/01/04 - 02/28/07 (New) $150,000

42. Blanchard, Robert J Pacific Biomed Rsrch Cntr
    "An Evaluation of the Anxyolytic Mechanism and the Temporal Course
     of Antidepressant Activity of SSR411288 and SSR149415 in Naturalistic
     Models of...
    From Sanofi-Synthelabo Recherche
    10/01/03 - 12/31/03 (New) $98,136

43. Boesgaard, Ann M Institute for Astronomy
    "Boron in F Stars in the Hyades - Insights into the Li-Be Dip"
    From Space Telescope Science Institute
    10/01/03 - 09/30/05 (New) $57,191

44. Borthakur, Dulal Molecular Biosciences & Bioengineering
    "Studies on Plant Pathogen Interaction"
    From Hawaii Agriculture Research Center
    09/18/03 - 06/30/04 (New) $18,358

45. Bowen, Brian Haw Inst Marine Bio-SOEST
    "Loggerhead Stock Definition and Mixed Stock Analysis for the
     Southeastern United States"
    From DOC-Natl Marine Fisheries Service
    07/01/03 - 12/31/03 (New) $8,451

46. Bowen, Richard L Natural Resources & Environmental Mgt
    "Development of a Sustainable Polyculture System for Exotic Tropical
     Fruits"
    From Utah State University
    07/01/03 - 06/30/06 (New) $60,600

47. Boyd, Charles D Pacific Biomed Rsrch Cntr
    "A COBRE Center for Cardiovascular Research"
    From NIH-Natl Center for Research Resources (NCRR)
    09/01/03 - 06/30/04 (Continuation) $1,823,898

48. Brandon, Paul R CRDG
    "Supplemental Funding for IERI Grant No. 0228158, Phase-1 Study of
     the Effects of Professional Development and Long-term Support on
     Program...
    From National Science Foundation
    09/28/03 - 02/28/05 (Supplement) $26,612

49. Brandon, Paul R CRDG
    "Evaluation and Research Services Provided to the Arts in Education
     Model Development and Dissemination"
    From Hawaii Alliance for Arts Education
    11/17/03 - 12/31/04 (New) $114,777

50. Brandon, Paul R CRDG
    "Supplemental Funding for IERI Grant No. 0228158, Phase-1 Study of
     the Effects of Professional Development and Long-term Support on
     Program...
    From National Science Foundation
    02/05/04 - 02/28/05 (Supplement) $99,052

51. Bresolin, Fabio Institute for Astronomy
    "The Physical Parameters and Stellar Winds of Hot, Massive Stars at
     High Metallicity: O-stars in the Andromeda Galaxy"
    From Space Telescope Science Institute
    08/01/03 - 07/31/05 (New) $6,892
52. Bresolin, Fabio Institute for Astronomy
"The Physical Parameters and Stellar Winds of Hot, Massive Stars at High Metallicity: O-stars in the Andromeda Galaxy"
From Space Telescope Science Institute
10/07/03 - 09/30/05 (Supplement) $20,678

53. Brewbaker, James L Tropical Plant & Soil Science
"Waimanalo Greenhouse Research"
From Univ of Hawaii Foundation
07/24/03 - 12/31/03 (Supplement) $3,000

54. Brooks, Benjamin Haw Inst Geophys & Planet
"Collaborative Research: Ground Truth of African and Eastern Mediterranean Shallow Seismicity Using SAR Interferometry and Gibbs Sampling Inversion"
From DOE-Dept of Energy
12/24/03 - 03/16/06 (New) $361,000

55. Brown, Daniele E UH H- Natural Sciences
"Biomedical Research Yr. 32 (MBRS)"
From National Institutes of Health
07/01/03 - 06/30/04 (Continuation) $854,179

56. Bryant-Greenwood, GilliaPacific Biomed Research Ctr
"Mechanical and Infectious Pathways to Preterm Birth"
From HCF-G.F. Straub Trust
10/22/03 - 10/22/04 (New) $49,837

57. Bryant-Greenwood, GilliaPacific Biomed Research Ctr
"Human Decidua and Fetal Membranes as a Paracrine System"
From NIH-Natl Inst of Child Health & Human Devlmnt
07/01/04 - 06/30/05 (Continuation) $306,675

58. Bullock, Audra M Electrical Engineering
"Free-Space Optical Communication Research: Applications to UAV Communications"
From Novasol
12/01/02 - 12/31/03 (New) $38,000

59. Bullock, Audra M Electrical Engineering
"Sensitive Modulation Spectroscopy for Characterization of Semiconductor Materials"
From Univ of Hawaii Foundation
01/01/04 - 06/30/04 (New) $21,176

60. Burgess, Lawrence P A Dean's Office- MED
"Genetic Screening in Diabetes"
From Children's Hospital of Pittsburgh
11/01/03 - 10/31/04 (New) $223,197

61. Businger, Steven Meteorology - SOEST
"University of Hawaii Ground Winds"
From Univ of New Hampshire
07/14/03 - 02/28/04 (Supplement) $96,574

62. Businger, Steven Meteorology - SOEST
"University of Hawaii Targeted Winds"
From Univ of New Hampshire
07/01/03 - 06/30/04 (New) $100,000

63. Businger, Steven JIMAR - SOEST
"Development of a Real-Time Precipitable Water Capability Using the Global Positioning System"
From DOC-National Oceanic & Atmospheric Administration
05/01/03 - 05/31/04 (Supplement) $10,000

64. Cadman, Edwin C Pacific Biomed Research Ctr
"Hawaii HIV Immunology and Vaccine Core"
From NIH-Natl Center for Research Resources (NCRR)
09/30/03 - 07/31/04 (Supplement) $640,952

65. Cadman, Edwin C Pacific Biomed Research Ctr
"Hawaii RCMI Communications Technology Supplement"
From NIH-Natl Center for Research Resources (NCRR)
09/01/03 - 07/31/04 (Supplement) $257,305

66. Cadman, Edwin C Dean's Office- MED
"Hawaii Minority Research Infrastructure Support Program"
From DHHS-Agency for Healthcare Research & Quality
09/01/03 - 08/31/04 (Continuation) $274,317

67. Cadman, Edwin C Dean's Office- MED
"RCMI Clinical Research Infrastructure Initiative"
From NIH-Natl Center for Research Resources (NCRR)
09/01/03 - 09/30/04 (Continuation) $1,556,816

68. Cauman, Edwin C Pacific Biomed Research Ctr
"Selective Research Excellence in Biomedicine and Health"
From NIH-Natl Center for Research Resources (NCRR)
09/01/03 - 07/31/04 (Continuation) $2,428,563

69. Cadman, Edwin C Pacific Biomed Research Ctr
"Supplement for Equipment for AIDS Research"
From NIH-Natl Center for Research Resources (NCRR)
09/01/03 - 07/31/04 (Supplement) $199,904
70. Callahan, Sean  
Microbiology  
"Genetics of Heterocyst Differentiation and Patterning"  
From National Science Foundation  
05/01/04 - 04/30/07  (New)  
$355,200

71. Cao, Tongyu  
School of Medicine  
"Positional Cloning of a Gene Involved in Keratinocyte Stem Cell Differentiation"  
From HCF-Ingeborg V.F. McKee Fund  
09/12/04 - 05/12/05  (New)  
$49,900

72. Carpenter, James R  
Human Nutrition, Food & Animal Sci  
"Effects of Dietary Fat Level on Body Composition, Blood Metabolites, Rate of Passage, and Nutrient Assimilation Efficiency in Harbor Seals"  
From Alaska Sea Life Center  
01/01/03 - 12/31/03  (New)  
$20,406

73. Ceria, Clementina D  
Nursing  
"Fat Reduction, HRT Use, & Benign Breast Disease (BBD) Risk"  
From Yeshiva University  
08/01/03 - 07/31/04  (New)  
$12,200

74. Ceria, Clementina D  
Nursing  
"Pacific Genetic Epidemiology Study on Aging"  
From Kuakini Medical Ctr  
09/01/03 - 12/31/03  (Continuation)  
$6,648

75. Ceria, Clementina D  
Nursing  
"Pacific Genetic Epidemiology Study on Aging"  
From Kuakini Medical Ctr  
01/01/04 - 05/31/04  (Continuation)  
$8,310

76. Chai, Sun-Ki  
Sociology  
"Cultural Differences Modeling"  
From 21st Century Systems, Inc  
06/17/03 - 11/28/03  (New)  
$24,730

77. Chai, Sun-Ki  
Sociology  
"Cultural Differences Modeling"  
From 21st Century Systems, Inc  
11/29/03 - 05/16/04  (Continuation)  
$12,071

78. Chambers, Kenneth C  
Institute for Astronomy  
"The Nature of High Redshift Radio Source Hosts"  
From National Science Foundation  
06/01/03 - 05/31/04  (Continuation)  
$74,505

79. Chang, Linda  
Medicine- MED  
"MR Spectroscopy to Monitor HAART in HIV Brain Injury"  
From NIH-Natl Inst of Neurological Disorders & Stroke  
05/01/04 - 04/30/05  (New)  
$410,918

80. Chang, Sandra P  
Trop Med - Med Micro- MED  
"Pre-Clinical Development of an MSP1.42/QS21 Malaria Vaccine"  
From World Health Organization- United Nations  
09/15/03 - 09/14/04  (New)  
$14,900

81. Chang, Sandra P  
Trop Med - Med Micro- MED  
"Production Scale-Up and Stability Studies of an MSP1.42 Malaria Vaccine Polypeptide"  
From World Health Organization- United Nations  
11/17/03 - 11/16/04  (New)  
$69,745

82. Chang, Sandra P  
Trop Med - Med Micro- MED  
"Aotus Colony for Testing of an MSP1.42/QS21 Malaria Vaccine"  
From World Health Organization- United Nations  
11/01/03 - 06/30/04  (New)  
$11,826

83. Chang, Sandra P  
Trop Med - Med Micro- MED  
"Utilizing the Yeast Two-Hybrid (Y2H) System to Define Specific Interactions between P. falciparum Merozoite Surface Protein-1.42 (MSP-1.42) & Host..."  
From HCF-Gelst Foundation  
10/09/03 - 01/31/05  (Continuation)  
$48,101

84. Chao, Beai-Huan  
Mechanical Engineering  
"FLAME DESIGN: A Novel Approach to Clean Efficient Diffusion Flames"  
From Natl Aeronautics & Space Administration  
05/07/04 - 12/31/06  (Continuation)  
$35,209

85. Chen, Bill H  
UHH- Coll of Cont. Educ  
"Directed Grants-Rural Science Program"  
From ED-Dept of Education  
09/30/03 - 09/29/04  (Continuation)  
$49,675

86. Chen, John C  
Physiology- MED  
"CHOOSE: A Phase II Study Angiomax (bivalirudin) in Patients with HIT/HITTS Type II Undergoing Off-Pump Coronary Artery Bypass (OPCAB) Surgery..."  
From The Medicines Company  
01/16/04 - 08/14/04  (New)  
$18,000
87. Chen, Yi-Leng  
Meteorology - SOEST  
"Application of High Resolution Mesoscale Models to Improve Weather Forecasting in Hawaii"  
From Univ Corp for Atmospheric Research  
01/01/04 - 12/31/04  
(New)  
$10,000

88. Chen, Yi-Leng  
Meteorology - SOEST  
"Island-Scale Circulations Over the Island of Hawaii"  
From National Science Foundation  
08/01/04 - 07/31/05  
(Continuation)  
$88,286

89. Cheung, Kwok F  
Ocean & Resources Engineering - SOEST  
"Tsunami Forecast and Inundation Map for Hawaii"  
From Hawaii-Civil Defense Division  
01/01/04 - 01/01/05  
(New)  
$103,020

90. Cheung, Kwok F  
Ocean & Resources Engineering - SOEST  
"Environment for Design of Advanced Marine Vehicles and Operations Research - ENDEAVOR"  
From DOD-Dept of Navy  
04/04/04 - 06/30/05  
(Continuation)  
$2,419,000

91. Chin, David N  
Info & Computer Science  
"User Modeling for IBCWD"  
From Quantum Leap Innovations, Inc  
09/23/00 - 09/30/04  
(New)  
$75,000

92. Chin, David N  
Info & Computer Science  
"Hawaii Tsunami Scenario for IBCWD"  
From Quantum Leap Innovations, Inc  
03/22/04 - 09/30/04  
(New)  
$124,783

93. Christopher, David A  
Molecular Biosciences & Bioengineering  
"Defining the Blue Light Signaling Pathways Regulating Photosynthetic Gene Expression in Plant Chloroplasts"  
From DOE-Dept of Energy  
08/15/03 - 07/14/04  
(New)  
$103,803

94. Christopher, David A  
Molecular Biosciences & Bioengineering  
"Functional Genomics of the Protein Disulfide Isomerase Family: Unraveling Protein Folding and Redox-Regulatory Networks"  
From National Science Foundation  
03/01/04 - 02/28/06  
(New)  
$543,208

95. Chu, Pao-Shin  
Meteorology - SOEST  
"Fire Seasonal Severity Prediction in Hawaii"  
From DA-Dept of Agriculture  
07/18/03 - 01/31/04  
(Supplement)  
$5,000

96. Chu, Pao-Shin  
Meteorology - SOEST  
"Generating Precipitation Grids for the Waianae Coast, Oahu in Support of NOAA Coastal Water Quality Project (N-SPECT)"  
From Hawaii-Dept of Business & Economic Development  
02/16/04 - 10/31/04  
(New)  
$20,000

97. Chu, Pao-Shin  
Meteorology - SOEST  
"Reestablishment of the Hawaiian Islands' Climate Division in Support of NOAA's Efforts"  
From Desert Research Institute  
12/01/03 - 02/28/04  
(New)  
$3,262

98. Chyba, Monique  
Mathematics  
"New Strategy for Minimizing Two Costs in Control Optimal Problems: Application to Underwater Vehicles"  
From National Science Foundation  
09/01/03 - 08/31/06  
(New)  
$248,441

99. Clarke, Antony D  
Oceanography - SOEST  
"In-Situ Measurements of Aerosol Size Distributions, Black Carbon and Inferred CCN and Their Implications for Remote Sensing: Retrospective Data..."  
From Nat'l Aeronautics & Space Administration  
12/15/03 - 12/14/06  
(New)  
$158,613

100. Clarke, Antony D  
Oceanography - SOEST  
"Sea-salt Aerosol Fluxes from Breaking Waves and Bursting Bubbles: Microphysical, Optical and Spatial Evolution in a Natural Wind-Tunnel"  
From DOD-Dept of Navy  
03/01/04 - 02/28/06  
(New)  
$100,000

101. Clarke, Antony D  
Oceanography - SOEST  
"Aerosol Physicochemistry: Aircraft Measurements for ACE-Asia"  
From National Science Foundation  
01/01/04 - 12/31/04  
(Continuation)  
$102,000

102. Clarke, Antony D  
Oceanography - SOEST  
"Measurements of Aerosol Physico-chemistry and Optical Properties Aboard the DC-8 In Support of the NASA (INTEX-A) Mission"  
From Nat'l Aeronautics & Space Administration  
06/05/04 - 12/14/06  
(New)  
$126,690

103. Coimbra, Carlos F  
Mechanical Engineering  
"Theoretical Support for Shiva"  
From MetroLaser Inc  
01/20/04 - 04/30/04  
(Supplement)  
$2,463
104. Coimbra, Carlos F  Mechanical Engineering  
"Theoretical Support for SHIVA"  
From MetroLaser Inc  
03/02/04 - 04/30/04 (Renewal)  $1,038

105. Cole, Kathleen  Zoology  
"Effects of Prolonged Exposure to a Ground-Based Analog for Microgravity During Embryonic Development on Skeletal Morphogenesis, Cephalization..."  
From Natl' Aeronautics & Space Administration  
02/15/04 - 02/14/06 (New)  $93,016

106. Cole, Kathleen  Zoology  
"Effects of Prolonged Exposure to a Ground-Based Analog for Microgravity during Embryonic Development on Skeletal Morphogenesis Cephalization..."  
From Natl' Aeronautics & Space Administration  
04/01/04 - 02/14/06 (Continuation)  $59,312

107. Collier, Michael  UHH- Agriculture  
"Development of Post Harvest Technologies"  
From DA-Dept of Agriculture  
05/29/02 - 05/28/07 (New)  $243,134

108. Conant, Sheila  Zoology  
"Seasonal Movements in Seasonal Movement Patterns in Iiwi (Vestiaria cocinea)"  
From Hawaii-Dept of Land & Natural Resources  
07/01/03 - 09/30/04 (New)  $3,500

109. Cooke, Ian M  Pacific Biomed Rch Cntr  
"Glutamate Modulation of Endocrine Secretion in Osmoregulatory Cells"  
From HCF-Hawaii Community Foundation - General Fund  
05/12/04 - 05/12/05 (New)  $24,585

110. Cowen, James P  Oceanography - SOEST  
"(Non-TEP) Abiotic Particle Formation from Dissolved Organic Matter in Marine Environments: Possible Shunt to the Microbial Loop"  
From National Science Foundation  
08/15/04 - 05/31/06 (New)  $224,541

111. Cowen, James P  Oceanography - SOEST  
From State University of New Jersey (Rutgers)  
09/01/03 - 08/31/04 (New)  $13,948

112. Cowie, Robert H  Pacific Biomed Rch Cntr  
"Revision and Phylogeographic Analysis of Pacific Island Succineid Land Snails"  
From National Science Foundation  
08/01/03 - 07/31/04 (New)  $138,690

113. Cowie, Robert H  Pacific Biomed Rch Cntr  
"Revision and Phylogeographic Analysis of Pacific Island Succineid Land Snails"  
From National Science Foundation  
08/01/04 - 07/31/05 (Continuation)  $164,781

114. Criley, Richard A  Tropical Plant & Soil Science  
"Ornamental Gingers as Flowering Potted Plants"  
From American Floral Endowment  
07/01/03 - 06/30/04 (New)  $2,500

115. Criley, Richard A  Tropical Plant & Soil Science  
"Ornamental Gingers as Flowering Potted Plants"  
From American Floral Endowment  
03/09/04 - 06/30/04 (Supplement)  $2,500

116. Criley, Richard A  Tropical Plant & Soil Science  
"Year-around Production of Sunflower (Helianthus annuus) as a Cut Flower in Hawaii"  
From Heaton, Thomas C  
07/01/04 - 09/30/05 (New)  $960

117. Ces Lazaro, Katalin  School of Medicine  
"Multiple Functions of Lysyl Oxidase like Proteins"  
From NIH-Natl Inst of Arth & Musculoskeletal & Skin Disord  
03/01/04 - 02/28/05 (Continuation)  $340,750

118. Daehler, Curtis C  Botany  
"Using the Weed Risk Assessment System and Field Documentation of Invasiveness for Making Urban Forestry Decisions"  
From Hawaii-Dept of Land & Natural Resources  
05/01/04 - 12/31/04 (Continuation)  $49,186

119. DeCarlo, Eric H  Oceanography - SOEST  
"Determination of Trace and Rare Earth Elements in Antarctic Lakes by F/A-ICP-MS"  
From Miami University Ohio, Oxford Ohio  
06/01/03 - 07/31/03 (Supplement)  $3,000

120. Derauf, D Christian  Pediatrics- MED  
"Prenatal Methamphetamine Exposure and Child Development"  
From Emma Pendleton Bradley Hospital  
09/01/03 - 09/30/04 (Continuation)  $292,595
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"Research on Assessment and Control of Vector-Transmitted Avian Diseases in Pacific Parks"  
From DOI-Geological Survey  
07/21/03 - 12/31/04  (Continuation)  $50,000

140. Duffy, David  
Botany  
"Watershed Protection in East Maui"  
From HCF-Hawaii Community Foundation - General Fund  
08/01/03 - 07/31/04  (New)  $30,000

141. Duffy, David  
Botany  
"Hosts, Vectors, and Avian Diseases: Island of Hawaii, Phase 2, Supplement 2"  
From DOI-Geological Survey  
07/21/03 - 12/31/04  (Supplement)  $33,480

142. Duffy, David  
Botany  
"Unit Support & General Activities Supplement"  
From DOI-Geological Survey  
07/21/03 - 12/31/04  (Supplement)  $65,102

143. Duffy, David  
Botany  
"Field and Management Studies of Endangered Hawaiian Forest Birds"  
From Hawaii-Dept of Land & Natural Resources  
07/01/03 - 06/30/04  (Continuation)  $350,000

144. Duffy, David  
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"Curating Collections at Kalaupapa: Phase 3"  
From DOI-Natl Park Service  
09/17/03 - 12/31/05  (Renewal)  $57,300

145. Duffy, David  
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"Sensitivity of Hawaiian High Elevation and Aquatic Ecosystems to Global Change"  
From DOI-Geological Survey  
07/21/03 - 12/31/04  (Continuation)  $95,769

146. Duffy, David  
Botany  
"Biodiversity Inventories of the National Parks on Maui, Molokai and Hawaii Islands, Phase 5"  
From DOI-Natl Park Service  
09/17/03 - 09/22/05  (Continuation)  $836,194

147. Duffy, David  
Botany  
"Restoration Ecology of Rare Plant Species at Kalaupapa, Hawaii - Phase 2"  
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09/17/03 - 12/31/05  (Renewal)  $65,000

148. Duffy, David  
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"Akipolāpolau Population Research and Management Phase 2"  
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07/01/03 - 06/30/04  (New)  $25,000

149. Duffy, David  
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"Critical Assessment of Habitat for Release of Endangered Maui Parrotbill"  
From DOI-Natl Park Service  
08/01/03 - 12/31/05  (New)  $149,500

150. Duffy, David  
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"Research to Stabilize Endangered/Threatened Plant Species in Hawaii Parks"  
From DOI-Natl Park Service  
09/17/03 - 09/13/05  (New)  $50,000

151. Duffy, David  
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"Controlling Weeds in Maui Watersheds"  
From DOI-Natl Park Service  
08/01/03 - 12/31/04  (New)  $356,000

152. Duffy, David  
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"Geographic Information System Node Support Program at Hawaii Volcanoes National Park, Phase 9"  
From DOI-Natl Park Service  
09/14/03 - 09/30/04  (Continuation)  $49,250

153. Duffy, David  
Botany  
"The Pacific Islands Exotic Plant Management Team"  
From DOI-Natl Park Service  
09/17/03 - 09/24/05  (Continuation)  $110,000

154. Duffy, David  
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"Pacific Islands Coral Reef Research, Management and Monitoring"  
From DOI-Natl Park Service  
09/17/03 - 12/31/04  (Continuation)  $213,000

155. Duffy, David  
Botany  
"Koa Forest Restoration at 'Ulupalakua, Maui"  
From DOI-Fish & Wildlife  
08/18/03 - 12/31/06  (New)  $54,000

156. Duffy, David  
Botany  
"Protection of Archeological Sites from Destructive Alien Plants"  
From DOI-Natl Park Service  
09/17/03 - 09/22/05  (Supplement)  $60,000
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<td>&quot;Endangered Species Research and Protection at Haleakala National Park&quot;</td>
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<td>&quot;Protection and Documentation of Significant Structures at Pu'uhonua O Kona National Historical Park&quot;</td>
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*New* denotes projects that are new to this year.
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<td>&quot;Equatorial Subthermocline Currents: Observations and Models&quot;</td>
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<td>&quot;Association of Urinary Phytoestrogen Excretion with Cancer Risk in Female Chinese&quot;</td>
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<td>&quot;High Performance Adaptive Optics for Astronomy in the Southern Hemispheres&quot;</td>
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265. Fujikawa, Roger S  
  Water Resource Research  
  "Assessing the Microbial Quality of Potable Sources of Water on Neighbor Islands (Kauai)"  
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  10/10/03 - 12/31/04 (New)  
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266. Fujikawa, Roger S  
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  From Hawaii-Dept of Health  
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267. Fujikawa, Roger S  
  Water Resource Research  
  "Scientific Assessment in the Technology to Treat Wastewater Sludge to Produce Class A Biosolids Using the Synagro System: Compliance with Existing ..."  
  From City and County of Honolulu  
  06/30/04 - 12/31/05 (New)  
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268. Furumoto, Nancy L  
  Cancer Research Center  
  "NSABP STAR Prevention (PFED-19-HAW-01), Amendment #5, Master Purchased Services Agreement (including COSTAR)"  
  From NSABP Foundation Inc  
  06/01/03 - 05/31/04 (Continuation)  
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269. Furumoto, Nancy L  
  Cancer Research Center  
  "NSABP STAR Prevention (PIND-HAW-01), Amendment #4, Prevention Industrial Master Purchased Services Agreement"  
  From NSABP Foundation Inc  
  07/01/03 - 06/30/04 (Continuation)  
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270. Gaidos, Eric  
  Geology & Geophys - SOEST  
  "Microcosm Investigations of Carbonate Reef Microbial Biogeochemistry"  
  From National Science Foundation  
  09/15/03 - 07/31/04 (New)  
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271. Gaidos, Eric  
  Geology & Geophys - SOEST  
  "Observable Signatures of Extreme Seasonality on Planets with High Orbital Eccentricity or Obliquity"  
  From Natl Aeronautics & Space Administration  
  06/01/04 - 05/31/07 (New)  
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272. Gaidos, Eric  
  Geology & Geophys - SOEST  
  "The Nature of the Flaring ELVE Companion to HD43162"  
  From Natl Aeronautics & Space Administration  
  04/15/04 - 04/14/05 (New)  
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273. Garces, Milton  
  Haw Inst Geophys & Planet  
  "Proposed Installation Plan for Infrasound Array IS39, Palau"  
  From Univ of Mississippi  
  07/25/03 - 07/24/04 (New)  
  $510,570

274. Garces, Milton  
  Haw Inst Geophys & Planet  
  "Installation of CTBT IMS Array IS52 Diego Garcia"  
  From Univ of Mississippi  
  04/10/03 - 04/09/06 (Supplement)  
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275. Garces, Milton  
  Haw Inst Geophys & Planet  
  "Technical Support for CTBT Infrasound Site IS59"  
  From Univ of Mississippi  
  01/01/04 - 12/31/05 (Supplement)  
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276. Garces, Milton  
  Haw Inst Geophys & Planet  
  "Technical Support for CTBT Infrasound Site IS52"  
  From Univ of Mississippi  
  01/15/04 - 04/09/05 (Supplement)  
  $237,502

277. Garcia, Michael O  
  Geology & Geophys - SOEST  
  "What are the Parental Magma Compositions for Historical Kiluea Lavas?"  
  From National Science Foundation  
  02/01/04 - 01/31/05 (New)  
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278. Gelber, Rebecca  
  Medicine- MED  
  "Incidence of Deep Vein Thrombosis after Elective Total Hip Replacement in Japanese-Americans"  
  From HCF-Leahi Trust  
  12/03/03 - 12/03/05 (New)  
  $30,000

279. Gerschenzon, Mariana  
  School of Medicine  
  "Mito AST Predict Liver Function in HIV Alcoholics"  
  From Yale University  
  09/01/03 - 08/31/04 (New)  
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280. Giambeluccia, Thomas W  
  Geography  
  "Hydrology of Tropical Montane Cloud Forest in Hawaii"  
  From National Science Foundation  
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<td>295. Grace, J Kenneth</td>
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<td>Japan Marine Science &amp; Technology Center</td>
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<td>322</td>
<td>Hadfield, Michael G</td>
<td>Pacific Biomed Rsrch Cntr &quot;The Effects of Surface Texture, Flow, and Dissolved Cues from Biofilms on Settlement and Attachment of Fouling Organisms to Marine Coatings&quot;</td>
<td>DOD-Dept of Navy</td>
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<td>Hadfield, Michael G</td>
<td>Pacific Biomed Rsrch Cntr &quot;Biofouling Research Funds&quot;</td>
<td>PPG Industries, Inc</td>
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<td>Hadfield, Michael G</td>
<td>Pacific Biomed Rsrch Cntr &quot;Korean Biofouling Research Funds&quot;</td>
<td>Korean Institute of Chemical Technology</td>
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<td>Hadfield, Michael G</td>
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<td>327</td>
<td>Hall, Donald B</td>
<td>Institute for Astronomy &quot;JWST NIRCam Focal Plane Array Testing Subcontract&quot;</td>
<td>Rockwell Scientific Company LLC</td>
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<td>Hall, Donald B</td>
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<td>329</td>
<td>Hallstone, Michael U</td>
<td>UH-West Oahu &quot;Driving Under the Influence in Hawaii&quot;</td>
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<td>07/14/04 - 04/01/05</td>
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<td>330</td>
<td>Hamilton, Kevin</td>
<td>Meteorology - SOEST &quot;Application of Comprehensive Global Models to Problems in the Dynamics of the Troposphere and Stratosphere&quot;</td>
<td>National Science Foundation</td>
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<td>331</td>
<td>Hamilton, Kevin</td>
<td>Meteorology - SOEST &quot;Quasi-biennial Oscillation Modulation of Eddies in the Tropical Stratosphere&quot;</td>
<td>Natl Aeronautics &amp; Space Administration</td>
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<td>332</td>
<td>Hamilton, Victoria</td>
<td>Haw Inst Geophys &amp; Planet &quot;Dust and Feldspar Mineralogy on Mars from Thermal Emission Spectra&quot;</td>
<td>Univ of Tennessee at Knoxville</td>
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<td>333</td>
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<td>Haw Inst Geophys &amp; Planet &quot;Spectral Variations in Martian Dark Regions and the Search for the Source Regions of SNC Meteorites Using MGS TES Data&quot;</td>
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<td>334</td>
<td>Hamnett, Michael P</td>
<td>Social Science Rsrch Inst &quot;City &amp; County of Honolulu Project Impact GIS&quot;</td>
<td>Hawaii-Civil Defense Division</td>
<td>10/15/02 - 07/14/03</td>
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335. Hamnett, Michael P  
Social Science Rsrch Inst  
"Hawaii Coral Reef Initiative Research Program, Phase VI"  
From DOC-National Oceanic & Atmospheric Administration  
07/01/03 - 12/31/04 (New)  
$963,400

336. Hamnett, Michael P  
Social Science Rsrch Inst  
"Creating a Better Understanding of Benefits and Costs of Marine Managed Areas in Hawaii"  
From Hawaii-Dept of Land & Natural Resources  
05/15/03 - 09/30/03 (New)  
$20,269

337. Hamnett, Michael P  
Social Science Rsrch Inst  
"Creating a Better Understanding of Benefits and Costs of Marine Managed Areas in Hawaii"  
From Hawaii-Dept of Land & Natural Resources  
05/15/03 - 09/30/03 (Supplement)  
$120

338. Hamnett, Michael P  
Social Science Rsrch Inst  
"Liquid Natural Gas (LNG)"  
From ChevronTexaco Corp  
11/15/03 - 12/31/04 (New)  
$25,000

339. Haning III, William F  
Psychiatry- MED  
"Prenatal Methamphetamine Exposure and Child Development"  
From Emma Pendleton Bradley Hospital  
09/01/02 - 08/31/03 (Continuation)  
$57,937

340. Haning III, William F  
Psychiatry- MED  
"CTO-Phase 2, Double-Blind, Placebo-Controlled Trial of Bupropion for the Treatment of Methamphetamine Dependence - CTO Project 0008"  
From Univ of California- Los Angeles  
03/07/03 - 05/31/04 (Continuation)  
$200,001

341. Haning III, William F  
Psychiatry- MED  
"Double-Blind, Placebo-Controlled, Dose Response Trial of Ondansetron for the Treatment of Methamphetamine Dependence"  
From Univ of California- Los Angeles  
09/11/03 - 10/31/03 (Supplement)  
$25,299

342. Haning III, William F  
Psychiatry- MED  
"CTO-Phase 2, Double-Blind, Placebo-Controlled Trial of Bupropion for the Treatment of Methamphetamine Dependence CTO Project 0008"  
From Univ of California- Los Angeles  
02/25/04 - 05/31/04 (Continuation)  
$98,965

343. Hara, Arnold H  
Plant & Environmental Protection Sci  
"Addressing Phytosanitary Barriers to Cut Flower Exports"  
From Hawaii Agriculture Research Center  
05/01/04 - 02/28/05 (New)  
$63,750

344. Hardman, John M  
Pathology- MED  
"Risk Factors for Pathological Markers - Parkinson's Disease"  
From Pacific Health Research Institute  
09/01/03 - 06/30/04 (Continuation)  
$24,169

345. Hartline, Daniel K  
Pacific Biomed Rsrch Cntr  
"Support of Biomedical Research at the Bekesy Laboratory"  
From Cades Fund  
01/01/04 - 12/31/04 (Renewal)  
$50,000

346. Hashimoto, Andrew  
Coll, Trop Ag & Human Res  
"Agricultural Postharvest, Value-Added Products and Processing Program"  
From DA-Dept of Agriculture  
09/24/02 - 09/29/07 (Supplement)  
$243,134

347. Hawke, Bernard R  
Haw Inst Geophys & Planet  
"Remote Sensing and Geologic Studies of Planetary Crusts"  
From Natl Aeronautics & Space Administration  
04/25/02 - 03/31/05 (Continuation)  
$72,000

348. Heasley, James N  
Institute for Astronomy  
"The Masses and Luminosities of Population II Stars"  
From Space Telescope Science Institute  
10/01/03 - 07/31/04 (Continuation)  
$4,966

349. Heasley, James N  
Institute for Astronomy  
"The Masses and Luminosities of Population II Stars"  
From Space Telescope Science Institute  
11/03/03 - 10/31/05 (Continuation)  
$9,009

350. Heasley, James N  
Institute for Astronomy  
"McCullough's Robotic CCD Camera System"  
From Univ of Illinois  
10/01/03 - 09/30/04 (New)  
$1,000

351. Helsley, Charles E  
Sea Grant - SOEST  
"HOARP III Environmental Monitoring"  
From DOC-National Oceanic & Atmospheric Administration  
09/01/03 - 08/31/04 (Continuation)  
$80,000

352. Hemscheidt, Thomas K  
Chemistry  
"Identification of Metalloproteinase Inhibitors from Hawaiian Natural Products Extracts for Commercialization as Counterbioterrorism Therapeutics"  
From Hawaii Biotechnology Group, Inc  
05/01/03 - 12/31/03 (New)  
$32,030
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<th>Project Title</th>
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<td>&quot;Linking Cyanotoxin Production to Genetic Diversity&quot;</td>
<td>Hemscheidt, Thomas K</td>
<td>Chemistry</td>
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<td>&quot;X Comae X-rays the Stickman's Leg&quot;</td>
<td>Henry, J Patrick</td>
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<td>&quot;A New High Redshift Cluster Temperature Function&quot;</td>
<td>Henry, J Patrick</td>
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<td>&quot;Characterization of a Novel Metal Ion-Permeable Channel&quot;</td>
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<td>&quot;Collaborative Research: Structure and Composition of Fast-Spread EPR Oceanic Crust Exposed at Pito Deep&quot;</td>
<td>Hey, Richard N</td>
<td>Haw Inst Geophys &amp; Planet</td>
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<td>&quot;Hawaii Corrosion Project&quot;</td>
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<td>&quot;NAOC-Subaru Telescope Use of the UV 2.2 Meter Telescope&quot;</td>
<td>Hodapp, Klaus W</td>
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<td>&quot;Test of WIRCAM Detector Arrays in KSPEC&quot;</td>
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<td>&quot;Subcontract with University of California Ernest Orlando Lawrence Berkeley National Laboratory for Use of the UW 2.2-m Telescope on Mauna Kea&quot;</td>
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<td>&quot;Movement Patterns of Tiger Sharks Along the Kona Coast (Hawaii Island)&quot;</td>
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<td>&quot;Cooperative Administration of FADs&quot;</td>
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<td>&quot;Special Considerations in the Interpretation of Thermal Infrared Spectroscopy from Landers and Rovers&quot;</td>
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<td>01/29/04 - 10/31/04</td>
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<td>&quot;Health Requirement Assessment in Post-Secondary Schools: Validation Survey of Student Immunizations in Hawaii's Colleges and Universities&quot;</td>
<td>Horvath, Violet</td>
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<td>&quot;SENSORS: Cooperative Diversity for Wireless Sensor Networks&quot;</td>
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370. Host-Madsen, Anders  Electrical Engineering  
"Wireless Communications"  
From Univ of Hawaii Foundation  
05/16/03 - 12/31/04  (Continuation)  
$9,708

371. Houghton, Bruce  Geology & Geophysics - SOEST  
"Explosive Volcanism: Understanding Pause and Abrupt Shifts in Intensity during the 1912 Novarupta Eruption: Supplement"  
From National Science Foundation  
06/03/04 - 06/30/05  (Supplement)  
$29,434

372. Howerton, Robert D  Sea Grant - SOEST  
"Sturgeon Aquaculture in Hawaii - Year 2"  
From Oceanic Institute-Ctr for Trop & Subtrop Aqua  
07/04/04 - 06/30/05  (New)  
$11,335

373. Hu, John  Plant & Environmental Protection Sci  
"Development and Implementation of Environment-Friendly Strategies for Management of Mealybug Wilt of Pineapple"  
From DA-Dept of Agriculture  
09/15/03 - 09/14/05  (New)  
$186,000

374. Hu, John  Plant & Environmental Protection Sci  
"Transgenic Citrus Plants with Broad and Durable Resistance to Citrus Tristeza Virus"  
From DA-Dept of Agriculture  
09/03/03 - 09/14/04  (New)  
$81,163

375. Hu, John  Plant & Environmental Protection Sci  
"Development of Commercial Hawaiian Banana Varieties Resistant to the Banana Bunchy Top Virus"  
From Hawaii-Dept of Agriculture  
03/22/04 - 09/21/05  (New)  
$30,000

376. Huebert, Barry J  Oceanography - SOEST  
"Optical, Chemical, and Physical Properties of Black and Brown Carbon Aerosols in Southeast Asian Smoke Plumes"  
From Natl Aeronautics & Space Administration  
02/01/04 - 01/31/07  (New)  
$150,000

377. Huebert, Barry J  Oceanography - SOEST  
"Direct Measurement of the Dimethyl Sulfide (DMS) Sea-Air Flux and Exchange Coefficient"  
From National Science Foundation  
03/01/04 - 02/28/05  (Continuation)  
$175,676

"Immune Pathways as Prerequisites for Adjuvants' Efficacy"  
From National Institutes of Health  
06/01/04 - 05/31/05  (Continuation)  
$270,063

379. Humphreys, Tom D  Pacific Biomed Rsch Cntr  
"Development of Natural Product and Combinatorial Synthetic Lead Compounds for Anti-Anthrax/Botulinum Bacterial Proteinase Pharmaceuticals"  
From Hawaii Biotechnology Group, Inc  
08/01/03 - 05/11/04  (New)  
$237,079

380. Humphreys, Tom D  Pacific Biomed Rsch Cntr  
"Biotechnology Initiatives"  
From Univ of Hawaii Foundation  
05/22/03 - 06/30/03  (New)  
$4,300

381. Idol, Travis  Natural Resources & Environmental Mgt  
"Monitoring of Forest Health in Hawaii's Dry Forest Ecosystem"  
From DA-Dept of Agriculture  
08/22/03 - 09/30/04  (New)  
$46,000

382. Imrie, Allison  Public Health Sciences  
"Diagnosis of Arbovirus Infection - Yr 2"  
From Hawaii-Dept of Health  
07/01/03 - 06/30/04  (New)  
$118,731

383. Inazu, Judith K  Social Science Rsrch Inst  
"Report Card on Violence Prevention"  
From Hawaii-Dept of Health  
08/28/03 - 06/30/04  (New)  
$24,657

384. Inazu, Judith K  Social Science Rsrch Inst  
"Evaluation of the 2001 Public Housing Drug Elimination Program"  
From Hawaii-Dept of Business & Economic Development  
05/01/03 - 09/15/03  (Supplement)  
$14,726

385. Inazu, Judith K  Social Science Rsrch Inst  
"Report Card on Violence Prevention"  
From Hawaii-Dept of Health  
05/15/04 - 08/31/04  (Supplement)  
$333

386. Inoye, Jillian  Nursing  
"Effects on Telehealth Augmentation of a Home Nursing Care Program for Women with Children at Risk for Child Abuse and Neglect"  
From Jackson Foundation (Henry M. Jackson)  
12/02/03 - 07/31/04  (Continuation)  
$13,000

387. Iskander, Magdy F  HCAC (HI Ctr for Advanced Communications)  
"University of Hawaii Partnership with the NSF IUCRC for Telecommunication Circuits and Systems at Arizona State University"  
From National Science Foundation  
09/01/03 - 08/31/04  (New)  
$10,000
388. Iskander, Magdy F  
HCAC (HI Ctr for Advanced Communications)  
"New Modeling Procedure for Indoor/Outdoor Propagation"  
From National Science Foundation  
07/01/03 - 04/30/04  (Supplement)  $12,000

389. Iskander, Magdy F  
HCAC (HI Ctr for Advanced Communications)  
"Smart Antenna"  
From Univ of Hawaii Foundation  
08/20/02 - 12/31/03  (Supplement)  $7,779

390. Iskander, Magdy F  
HCAC (HI Ctr for Advanced Communications)  
"University of Hawaii Partnership with the NSF IU CRC for Telecommunications Systems"  
From National Science Foundation  
02/15/04 - 01/31/05  (New)  $50,000

391. Iskander, Magdy F  
HCAC (HI Ctr for Advanced Communications)  
"Low Cost MMW Phase Shifter"  
From Raytheon Company  
11/07/03 - 08/31/04  (New)  $75,000

392. Iskander, Magdy F  
HCAC (HI Ctr for Advanced Communications)  
"Novel Low Cost Phase Shifters Design Based on the Ferroelectric Materials Technology"  
From TREX Hawaii LLC  
02/15/04 - 02/14/05  (New)  $50,000

393. Iskander, Magdy F  
HCAC (HI Ctr for Advanced Communications)  
"Smart Antenna"  
From Univ of Hawaii Foundation  
01/01/04 - 01/01/05  (Supplement)  $38,807

394. Iskander, Magdy F  
HCAC (HI Ctr for Advanced Communications)  
"New Modeling Procedure for Indoor/Outdoor Propagation Environments in Micro- and Pico-Cell Wireless Communications Systems"  
From DOD-Dept of Army  
01/31/04 - 01/31/05  (Continuation)  $100,780

395. Issell, Brian F  
Cancer Research Center  
"Study E1199"  
From Southwest Oncology Group  
11/14/03 - 12/31/03  (New)  $11,200

396. Issell, Brian F  
Cancer Research Center  
"CRCH 0305: An Open-Label Phase II/III Study of Rituximab in Combination with Recombinant Human IL-2 (IL-2) for Relapsed Low-Grade or Follicular ..."  
From Chiron Corporation  
10/29/03 - 10/28/07  (New)  $53,806

397. Issell, Brian F  
Cancer Research Center  
"CRCH 9818 Core Database Lock Incentive, Part One and Part Two"  
From Novartis Pharmaceuticals Corp  
12/20/00 - 02/20/04  (New)  $500

398. Issell, Brian F  
Cancer Research Center  
"A Randomized Open-Label Study of Epoetin Alfa (PROCRIT) versus Darbepoetin Alfa (ARANESP) to Evaluate Hematologic Response Rate in Anemic Cancer......."  
From Ortho Biotech Products, LP  
12/15/03 - 12/14/06  (New)  $39,507

399. Issell, Brian F  
Cancer Research Center  
"CRCH 0306: A Randomized, Prospective Study Comparing Three Regimens of Eloxatin Plus Fluoropyrimidine for Evaluation of Safety and Tolerability in ..."  
From Prologue Research International, Inc  
12/30/03 - 05/30/07  (New)  $120,000

400. Issell, Brian F  
Cancer Research Center  
"CRCH 0301: A Phase III Randomized, Open-Label, Multicenter Study of Irinotecan and Cetuximab vs Irinotecan as Second-Line Treatment in Patients with..."  
From PPD Development  
02/25/04 - 03/31/08  (New)  $35,000

401. Issell, Brian F  
Cancer Research Center  
"Hawaii Minority-Based CCOP"  
From NIH-Natl Cancer Institute (NCI)  
06/01/04 - 05/31/05  (Continuation)  $617,830

402. Jameson, David M  
Cell & Molecular Biology  
"Molecular Mechanisms of Axonal Transport"  
From Univ of Illinois  
12/01/03 - 08/31/04  (Continuation)  $10,792

403. Jedicke, Robert  
Institute for Astronomy  
"Spectroscopy of SDSS Vestalikes and Iannini Family"  
From National Science Foundation  
06/01/04 - 05/31/05  (New)  $121,129

404. Jensen, Craig M  
Chemistry  
"Catalytically Enhanced Hydrogen Storage Systems"  
From DOE-Dept of Energy  
03/23/04 - 09/30/04  (Continuation)  $110,232
405. Jensen, Craig M  Chemistry  
"Catalytically Enhanced Hydrogen Storage Systems"  
From DOE-Dept of Energy  
02/02/04 - 09/30/04 (New)  $9,768  

406. Jewitt, David C  Institute for Astronomy  
"Irregular Satellites of the Planets"  
From Natl Aeronautics & Space Administration  
09/01/04 - 04/30/07 (New)  $61,000  

407. Jewitt, David C  Institute for Astronomy  
"Thermal Studies of Near Earth Objects"  
From Natl Aeronautics & Space Administration  
05/04/04 - 02/28/05 (Supplement)  $61,000  

408. Jewitt, David C  Institute for Astronomy  
"The Solar System Beyond Neptune"  
From Natl Aeronautics & Space Administration  
05/24/04 - 02/14/05 (Supplement)  $62,000  

409. Jin, Fei-Jei  JIMAR - SOEST  
"A Study of Decadal Ocean-Atmosphere Interaction in the Atlantic"  
From DOC-National Oceanic & Atmospheric Administration  
07/01/03 - 06/30/04 (Supplement)  $92,375  

410. Jin, Fei-Jei  JIMAR - SOEST  
"Dynamics of Pacific Decadal Climate Variability and ENSO Modulation"  
From DOC-National Oceanic & Atmospheric Administration  
07/01/02 - 06/30/03 (Supplement)  $93,275  

411. Jin, Fei-Jei  Meteorology - SOEST  
"Further Studies of Ocean-Atmosphere Coupled Dynamics in the Tropical Pacific"  
From National Science Foundation  
10/01/03 - 09/30/04 (Continuation)  $119,091  

412. Johnson, Jean  Center on Disability Studies  
"Study of Cultural Variables Influencing the Development and Imp. Of Self-Determination Skills in Youth w/Serious...."  
From ED-Dept of Education  
10/01/04 - 09/30/05 (Continuation)  $150,000  

413. Johnson, Kevin  Geology & Geophys - SOEST  
"International Collaborative Research: Evolution of the Hawaiian Plume - Geochemical Studies of Hana Ridge, Haleakala, Hawaii"  
From National Science Foundation  
02/01/04 - 01/31/07 (New)  $210,404  

414. Johnson, Philip M  Info & Computer Science  
"Supporting the Development of Highly Dependable Software through Incremental, Automated, In-process, and Individualized Software Measurement..."  
From National Science Foundation  
09/01/03 - 08/31/04 (Continuation)  $79,741  

415. Johnson, Philip M  Info & Computer Science  
"Supporting Development of Highly Dependable Software Through Incremental, Automated, In-Process and Individualized Software Measurement Validation"  
From Natl Aeronautics & Space Administration  
03/15/04 - 08/31/06 (New)  $79,742  

416. Jokiel, Paul L  Haw Inst Marine Bio-SOEST  
"Continuation of Cooperative Agreement for Coral Reef Mapping and Monitoring Efforts in the Pacific Islands"  
From DOC-National Oceanic & Atmospheric Administration  
07/01/03 - 06/30/06 (Continuation)  $56,293  

417. Jokiel, Paul L  Haw Inst Marine Bio-SOEST  
"USGS Collaborative Study of Molokai Coral Reef"  
From DOI-Geological Survey  
11/19/03 - 09/18/04 (Continuation)  $51,061  

418. Jokiel, Paul L  Haw Inst Marine Bio-SOEST  
"Coral Recruitment and Habitat Surveys in Hanalei Bay"  
From Hanalei Watershed Hui  
10/01/03 - 12/31/05 (New)  $39,019  

419. Jourdan-Le Saux, Claude Pacific Biomed Rch Cntr  
"Involvement of Interleukin-4 in Airway Remodeling: Activation of the Lung Fibroblasts"  
From American Lung Association  
07/01/03 - 06/30/04 (New)  $35,000  

420. Juvik, Sonia P  UHH Social Science  
"Public Shoreline Access Inventory"  
From County of Hawaii  
07/29/03 - 12/31/03 (New)  $50,000  

421. Kaiser, Nick  Institute for Astronomy  
"The Panoramic Survey Telescope and Rapid Response System (Pan-STARRS)"  
From DOD-Dept of Air Force  
03/08/04 - 09/30/04 (Supplement)  $2,500,000
422. Kaiser, Nick  
Institute for Astronomy  
"The Panoramic Survey Telescope and Rapid Response System (Pan-STARRS)"  
From DOD-Dept of Air Force  
04/30/04 - 09/30/05 (Continuation) $8,770,000

423. Kaiser, Nick  
Institute for Astronomy  
"The Panoramic Survey Telescope and Rapid Response System (Pan-STARRS)"  
From DOD-Dept of Air Force  
04/22/04 - 09/30/04 (Supplement) $2,500,000

424. Kaiser, Ralf I  
Chemistry  
"Investigating the Chemical Dynamics of Bimolecular Reactions of Dicarbon and Tricarbon Molecules with Hydrocarbons in Combustion Flames"  
From DOE-Dept of Energy  
07/15/03 - 07/14/04 (New) $167,243

425. Kaiser, Ralf I  
Chemistry  
"Investigating the Chemical Dynamics of Bimolecular Reactions of Dicarbon and Tricarbon Molecules with Hydrocarbons in Combustion Flames"  
From DOE-Dept of Energy  
07/15/04 - 07/14/05 (Continuation) $89,561

426. Kameoka, Velma A  
Psychology  
"Minority Supplement"  
From Georgetown University  
06/01/03 - 06/30/04 (New) $86,466

427. Kaneshiro, Kenneth Y  
Pacific Biomed Rsrch Cntr  
"High Throughput Sequencing and the Phylogeny of the Family Drosophilidae"  
From American Museum of Natural History  
02/01/03 - 01/31/05 (New) $29,440

428. Kaneshiro, Kenneth Y  
Pacific Biomed Rsrch Cntr  
"Create Internet Map Server of Incipient Alien Species as Part of the Pacific Basin Information Node - Spatial Data and Mapping (Hawaii Natural ...)"  
From DOI-Geological Survey  
09/01/03 - 08/31/04 (New) $150,000

429. Kaneshiro, Kenneth Y  
Pacific Biomed Rsrch Cntr  
"Volcano Rare Plant Propagation Facility"  
From DLNR (DOFAW)  
07/01/03 - 06/30/04 (Continuation) $85,000

430. Kaneshiro, Kenneth Y  
Pacific Biomed Rsrch Cntr  
"Plant Propagation Management - Seed Storage Facility"  
From DLNR (DOFAW)  
07/01/03 - 06/30/04 (Continuation) $9,000

431. Kaneshiro, Kenneth Y  
Pacific Biomed Rsrch Cntr  
"Oahu Wildlife - Offshore Island Seabird Sanctuary Research and Management"  
From Hawaii-Dept of Land & Natural Resources  
10/01/03 - 06/30/04 (New) $16,650

432. Kaneshiro, Kenneth Y  
Pacific Biomed Rsrch Cntr  
"Marine Gap Analysis and Assessment in Marine Protected Areas"  
From Hawaii-Dept of Land & Natural Resources  
04/01/04 - 03/31/05 (Continuation) $62,000

433. Karl, David M  
Oceanography - SOEST  
"Collaborative Research: Hawaii Ocean Time-series: Biogeochemistry and Ecology Component"  
From National Science Foundation  
09/15/03 - 07/31/04 (Renewal) $920,704

434. Karl, David M  
Oceanography - SOEST  
"Collaborative Research: Multi-disciplinary Ocean Sensors for Environmental Analyses and Networks (MOSEAN)"  
From National Science Foundation  
08/15/03 - 07/31/04 (New) $140,001

435. Karl, David M  
Oceanography - SOEST  
"PARADIGM: The Partnership for Advancing Interdisciplinary Global Modeling"  
From Univ of Rhode Island  
04/08/04 - 01/31/05 (Continuation) $66,657

436. Karl, David M  
Oceanography - SOEST  
"PARADIGM: The Partnership for Advancing Interdisciplinary Global Modeling"  
From Univ of Rhode Island  
05/21/04 - 01/31/05 (Continuation) $66,657

437. Karl, David M  
Oceanography - SOEST  
"Collaborative Research: Hawaii Ocean Time-series: Biogeochemistry and Ecology Component"  
From National Science Foundation  
08/01/04 - 07/31/05 (Renewal) $798,722

438. Kawata, Michael K  
Plant & Environmental Protection Sci  
"Pesticide Testing"  
From Univ of California-Davis  
08/28/03 - 03/31/04 (Supplement) $52,500
439. Keil, Klaus  
Haw Inst Geophys & Planet  
"Origin of Meteorite Parent Bodies and the Moon"  
From Natl Aeronautics & Space Administration  
05/12/04 - 11/30/04 (Continuation)  
$340,000  

440. Kelley, Christopher D  
HURL - SOEST  
"A Survey of Bottomfish Habitat in the Kahoolawe Island Reserve: Defining a Benchmark for the State of Hawaii's Restricted Fishing Areas"  
From DOC-Western Pacific Region Fisheries Mgmt Cncl  
08/01/02 - 12/31/03 (New)  
$218,788  

441. Kelley, Christopher D  
HURL - SOEST  
"The Impact of Bottomfishing on the Ragta and West St. Rogaten RPAs in the Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve"  
From DOC-National Oceanic & Atmospheric Administration  
07/01/03 - 11/30/03 (New)  
$183,376  

442. Kelley, Christopher D  
HURL - SOEST  
"Improvement of Bottomfish Stocks in the Hawaiian Islands: Phase III"  
From Hawaii-Dept of Land & Natural Resources  
07/01/04 - 06/30/05 (Continuation)  
$400,000  

443. Kelley, Christopher D  
HURL - SOEST  
"Detection and Documentation of Bottomfish Spillover from the Kaho'olawe Island Reserve"  
From Hawaii-Dept of Land & Natural Resources  
04/15/04 - 12/31/04 (New)  
$30,420  

444. Kido, Michael  
Pacific Biomed Ranch Cntr  
"Biological and Habitat Assessment of Makuku and Lulumahu Streams Tributaries of Nuuanu Stream, Oahu"  
From City and County of Honolulu  
05/28/04 - 03/31/05 (New)  
$24,850  

445. Kim, Albert S  
Civil Engineering  
"Predicting Membrane Performance Using Artificial Neural Networks"  
From Saehan Industries, Inc  
03/01/04 - 12/31/04 (New)  
$19,087  

446. Kim, Karl E  
Urban & Regional Planning  
"State of Hawaii Vehicle Occupant Protection Studies"  
From Hawaii-Dept of Transportation  
10/01/03 - 09/30/04 (New)  
$75,000  

447. Kim, Min-Sun  
Speech  
"Developing Infrastructure and Resources for Smoking Cessation for Korean Immigrants in Hawaii"  
From HCF-Tobacco Prevention & Control Trust Fund  
12/01/03 - 12/01/05 (New)  
$59,994  

448. Kinoshita, Charles M  
Molecular Biosciences & Bioengineering  
"HECO IRP-3: Banagrass Production and Cost Study"  
From Black and Veatch  
09/09/03 - 10/31/03 (New)  
$10,000  

449. Kinzie, Robert A  
Haw Inst Marine Bio-SOEST  
"Joint Study on the Recognition of Corals"  
From University of the Ryukyus  
04/01/04 - 03/31/05 (Continuation)  
$1,500  

450. Kolonel, Laurence N  
Cancer Research Center  
"Epidemiologic Studies of Diet and Cancer in Hawaii"  
From NIH-Natl Cancer Institute (NCI)  
07/01/03 - 06/30/04 (Continuation)  
$2,823,048  

451. Kolonel, Laurence N  
Cancer Research Center  
"Comparative Epidemiologic Studies of Genetic & Environmental Factors in Carcinogenesis"  
From Jackson Foundation (Henry M. Jackson)  
10/01/03 - 09/30/04 (New)  
$34,075  

452. Kolonel, Laurence N  
Cancer Research Center  
"Breast & Prostate Cancer & Hormone-related Gene Variants"  
From Univ of Southern California  
06/05/03 - 05/31/04 (New)  
$555,992  

453. Kolonel, Laurence N  
Cancer Research Center  
"Genetic Susceptibility and Cancer in Multiethnic Cohorts"  
From Univ of Southern California  
05/01/03 - 04/30/04 (Continuation)  
$358,136  

454. Kolonel, Laurence N  
Cancer Research Center  
"Multiethnic Cohort Study of Diet and Cancer"  
From NIH-Natl Cancer Institute (NCI)  
03/01/04 - 02/28/05 (Continuation)  
$2,135,335  

455. Krot, Alexander N  
Haw Inst Geophys & Planet  
"Mineralogical, Chemical and Isotopic Studies of Amoeboid Olivine Aggregates and Al-rich Chondrules in Primitive Carbonaceous Chondrites"  
From Natl Aeronautics & Space Administration  
04/01/04 - 03/31/07 (New)  
$31,000  

456. Krot, Alexander N  
Haw Inst Geophys & Planet  
"Absolute & Relative Chronologies Formation"  
From Natl Aeronautics & Space Administration  
04/09/04 - 01/31/06 (Supplement)  
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<td>&quot;The NASA Infrared Telescope Facility: Solar System Observations and Mission Support&quot;</td>
<td>Natl Aeronautics &amp; Space Administration</td>
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<td>Kuh, Anthony</td>
<td>Electrical Engineering</td>
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<td>01/01/04 - 07/13/04 (Continuation)</td>
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<td>464</td>
<td>Kuhn, Jeffrey R</td>
<td>Institute for Astronomy</td>
<td>&quot;The LYOT Project: Optimized, Diffraction-Limited Coronography&quot;</td>
<td>American Museum of Natural History</td>
<td>09/15/03 - 08/31/04 (New)</td>
<td>$20,440</td>
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<td>465</td>
<td>Kuhn, Jeffrey R</td>
<td>Institute for Astronomy</td>
<td>&quot;MRI: 1.5 Meter Solar Telescope in Big Bear - The NST&quot;</td>
<td>New Jersey Inst of Technology (Hitachi Foundation)</td>
<td>08/15/03 - 07/31/04 (New)</td>
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<td>466</td>
<td>Kuhn, Jeffrey R</td>
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<td>&quot;Understanding Magnetic Eruptions on the Sun and their Interplanetary Consequences&quot;</td>
<td>Univ of California-Berkeley</td>
<td>03/26/04 - 04/30/04 (Supplement)</td>
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<td>467</td>
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<td>Kumahiro, Kristin K</td>
<td>Chemistry</td>
<td>&quot;NMR Studies of Elastin Structure and Dynamics&quot;</td>
<td>National Science Foundation</td>
<td>05/01/04 - 04/30/05 (New)</td>
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<td>469</td>
<td>Kuo, Philip</td>
<td>School of Medicine</td>
<td>&quot;Immunologic Control of Viral Setpoint in Drug Resistant HIV Infection&quot;</td>
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<td>06/01/04 - 08/31/05 (New)</td>
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<td>LaBotz, Michele</td>
<td>Fam Prac &amp; Comm Hlth- MED</td>
<td>&quot;Effects of Intermittent Hypoxic Exposure on Heart Rate Variability&quot;</td>
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<td>05/12/04 - 05/12/05 (New)</td>
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<td>Lamb, Roberta</td>
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<td>National Science Foundation</td>
<td>07/02/03 - 09/30/04 (Continuation)</td>
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<td>Landis, Dan</td>
<td>UHH- Psychology</td>
<td>&quot;International Journal FY 2003&quot;</td>
<td>Elsevier Science Ltd.</td>
<td>09/01/02 - 08/31/04 (Continuation)</td>
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<td>Landry, Michael R</td>
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<td>&quot;Plankton Community Biomass and Composition in Mamala Bay, Oahu (RASP III, September 2003)&quot;</td>
<td>Oceanit Laboratories, Inc</td>
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475. Lassner, David K  
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"Operations and Management of the Maui Supercomputing Center"  
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(Supplement)  
$173,580  

476. Lassner, David K  
Info Technology Services  
"Operations and Management of the Maui Supercomputing Center"  
From DOD-Dept of Air Force  
07/21/03 - 09/30/05  
(Supplement)  
$165,593  

477. Lassner, David K  
Info Technology Services  
"Operations and Management of the Maui Supercomputing Center"  
From DOD-Dept of Air Force  
07/21/03 - 09/30/03  
(Supplement)  
$423,359  

478. Lassner, David K  
Info Technology Services  
"Operations and Management of the Maui Supercomputing Center"  
From DOD-Dept of Air Force  
07/21/03 - 09/30/03  
(Supplement)  
$46,000  

479. Lassner, David K  
Info Technology Services  
"Operations and Management of the Maui Supercomputing Center"  
From DOD-Dept of Air Force  
09/19/02 - 09/30/03  
(Supplement)  
$185,384  

480. Lassner, David K  
Info Technology Services  
"Operations and Management of the Maui Supercomputing Center"  
From DOD-Dept of Air Force  
06/13/03 - 06/14/04  
(Supplement)  
$570,942  

481. Lassner, David K  
Info Technology Services  
"Operations and Management of the Maui Supercomputing Center"  
From DOD-Dept of Air Force  
07/01/03 - 09/30/03  
(Continuation)  
$39,000  

482. Lassner, David K  
Info Technology Services  
"Operations and Management of the Maui Supercomputing Center"  
From DOD-Dept of Air Force  
08/27/03 - 06/30/04  
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$25,000  

483. Lassner, David K  
Info Technology Services  
"Operations and Management of the Maui Supercomputing Center"  
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08/27/03 - 09/30/04  
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484. Lassner, David K  
Info Technology Services  
"Operations and Management of the Maui Supercomputing Center"  
From DOD-Dept of Air Force  
09/01/03 - 09/30/04  
(Supplement)  
$1,380,000  

485. Lassner, David K  
Info Technology Services  
"Operations and Management of the Maui Supercomputing Center"  
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09/24/03 - 09/30/04  
(Supplement)  
$920,000  

486. Lassner, David K  
Info Technology Services  
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487. Lassner, David K  
Info Technology Services  
"Operations and Management of the Maui Supercomputing Center"  
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$287,803  

488. Lassner, David K  
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489. Lassner, David K  
Info Technology Services  
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$1,660,000  

490. Lassner, David K  
Info Technology Services  
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$680,000  

491. Lassner, David K  
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11/26/03 - 09/30/04  
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$105,000  

492. Lassner, David K  
Info Technology Services  
"Operations and Management of the Maui Supercomputing Center"  
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11/26/03 - 09/30/05  
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493. Lassner, David K  
Info Technology Services  
"Operations and Management of the Maui Supercomputing Center"  
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$642,982  

494. Lassner, David K  
Info Technology Services  
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516. Lassner, David K  Info Technology Services  
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517. Lassner, David K  Info Technology Services  
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06/04/04 - 06/30/05  (Supplement)  $150,000

518. Lau, Alan F  Cancer Research Center  
"Phosphorylation of Gap Junction Proteins"  
From Hutchinson (Fred) Cancer Research Center  
05/01/03 - 04/30/04  (Continuation)  $25,000

519. Laws, Edward A  Sch Ocean,Earth Sc & Tec  
"Pacific Research Center for Marine Biomedicine"  
From NIH-Natl Inst of Environmental Health Sciences  
02/16/04 - 12/31/04  (New)  $488,000

520. Laws, Edward A  Oceanography - SOEST  
"Assess Nutrient Sources, Fluxes, and Water Quality of Ponds"  
From DOJ-Natl Park Service  
05/01/04 - 12/31/06  (New)  $50,500

521. Laws, Edward A  Oceanography - SOEST  
"Pacific Research Center for Marine Biomedicine"  
From National Science Foundation  
05/01/04 - 04/30/05  (Supplement)  $732,000

522. Le Marchand, Loic  Cancer Research Center  
"Hawaii Colorectal Cancer Family Registry"  
From NIH-Natl Cancer Institute (NCI)  
07/01/03 - 06/30/04  (Continuation)  $809,462

523. Le Marchand, Loic  Cancer Research Center  
"Genes, Diet and Carcinogen Activation in Smokers"  
From NIH-Natl Cancer Institute (NCI)  
09/01/03 - 08/31/04  (Continuation)  $766,938

524. Le Marchand, Loic  Cancer Research Center  
"The Familial Colorectal Neoplasia Collaborative Group"  
From Mayo Clinic Foundation  
08/01/00 - 07/31/02  (Supplement)  $17,600

525. Le Saux, Olivier  Pacific Biomed Rscrh Cntr  
"Regulation of the ABCG6 Gene Expression"  
From HCF-Ingeborg V.F. McKee Fund  
08/01/03 - 07/31/04  (New)  $50,000

526. Learned, John G  Physics & Astronomy  
"ASHRA Experiment"  
From Purdue University  
01/13/04 - 01/12/05  (New)  $30,000

527. Lee, Hye-ryeon  Speech  
"Evaluation and Dissemination of FCP Study Results"  
From Health Research, Inc  
10/01/03 - 09/30/04  (New)  $42,054

528. Lee, Hye-ryeon  Cancer Research Center  
"Exercise and Relational Support-based Smoking Cessation Program Tailored for College Student Smokers"  
From HCF-Tobacco Prevention & Control Trust Fund  
12/01/03 - 12/01/05  (New)  $59,997

529. Lenz, Petra H  Pacific Biomed Rscrh Cntr  
"Collaborative Research: Sensory Reception and Predator Evasion in Crustacean Zooplankton"  
From National Science Foundation  
05/19/04 - 06/30/04  (Supplement)  $6,308

530. Leonhardt, Kenneth W  Tropical Plant & Soil Science  
"Development of New Foliage Cultivars for the Hawaii Commercial Foliage Industry, with Emphasis on Dracaena"  
From Hawaii-Dept of Agriculture  
10/29/03 - 04/28/07  (New)  $25,000

531. Leonhardt, Kenneth W  Tropical Plant & Soil Science  
"Enhancement of the Tropical Flowers and Foliages Industries in Maui County"  
From Maui-Off of Economic Development  
06/14/04 - 06/13/05  (New)  $25,000

532. Leung, Ping S  Molecular Biosciences & Bioengineering  
"Economic Feasibility for Freshwater Ornamental Fish Growers in Hawaii to Market Their Products"  
From Oceanic Institute-Ctr for Trop & Subtrop Aqua  
12/01/03 - 11/30/04  (New)  $29,814
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<td>&quot;Hawaii Ocean Mixing Experiment (HOME): Near-Field Program: Moored Measurements of Tidal Oscillations&quot;</td>
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587. Luther, Douglas S  JIMAR - SOEST
"Hawaii Ocean Mixing Experiment (HOME): Historical Data Analysis Program - U. Hawaii Contribution"
From National Science Foundation
11/01/03 - 10/31/04 (Continuation)  $85,000

588. Luther, Douglas S  Oceanography - SOEST
"Collaborative Research - SGER - Model Verification of Radiation of Barotropic Energy from the Gulf Stream"
From National Science Foundation
04/15/04 - 03/31/05 (New)  $15,013

589. Mackenzie, Fred T  Oceanography - SOEST
"Modification of Water Quality Monitoring in Hawaii Kali Marina"
From Hawaii Kali Marina Community Association
01/01/04 - 12/31/04 (Continuation)  $18,000

590. Maddock, Jason E  Public Health Sciences
"Social Epidemiology Project/Epidemiological Research Related to Public Health"
From Hawaii-Dept of Health
01/01/04 - 12/31/05 (Continuation)  $615,545

591. Madey, John  Physics & Astronomy
"Active Hyperspectral Sensor Research"
From DOD-Dept of Army
07/17/03 - 12/16/06 (Supplement)  $25,000

592. Madey, John  Physics & Astronomy
"Active Hyperspectral Sensor Research"
From DOD-Dept of Army
07/23/03 - 12/16/06 (Supplement)  $100,000

593. Madey, John  Physics & Astronomy
"Active Hyperspectral Sensor Research"
From DOD-Dept of Army
09/18/03 - 12/16/06 (Supplement)  $18,130

594. Madey, John  Physics & Astronomy
"Active Hyperspectral Sensor Research"
From DOD-Dept of Army
01/15/04 - 12/16/06 (Supplement)  $51,525

595. Madey, John  Physics & Astronomy
"Active Hyperspectral Sensor Research"
From DOD-Dept of Army
05/10/04 - 12/16/06 (Supplement)  $100,000

596. Maeda, Julienne  Kinesiology & Leisure Sci
"Feasibility in Incorporating Physical Activity and Nutrition Education Interventions into an After School Program as a Method of Achieving Healthy..."
From DOH-Community Health Division
06/10/03 - 09/30/04 (New)  $24,968

597. Maeda, Julienne  Kinesiology & Leisure Sci
"NCI Pilot Project: Feasibility of an Afterschool Program to Reduce Obesity In Hawaiian Youth"
From Papa Ola Lokahi
09/01/03 - 09/30/04 (New)  $45,957

598. Mahdavi, Anisheh  Institute for Astronomy
"Temperature Structure of Apparently Relaxed Galaxy Groups"
From Natl Aeronautics & Space Administration
08/01/03 - 07/31/04 (New)  $40,800

599. Mahoney, John  Geology & Geophys - SOEST
"An Isotopic and Elemental Study of Deccan Traps Dikes"
From National Science Foundation
07/01/04 - 06/30/05 (Continuation)  $63,720

600. Malahoff, Alexander  HURL - SOEST
"Hawaii Undersea Research Laboratory: Base & Operational Funding"
From DOC-National Oceanic & Atmospheric Administration
12/01/02 - 11/30/03 (New)  $2,556,158

601. Malahoff, Alexander  HURL - SOEST
"Hawaii Undersea Research Laboratory: Base & Operational Funding"
From DOC-National Oceanic & Atmospheric Administration
12/01/03 - 11/30/04 (Continuation)  $1,000,000

602. Malhotra, Vinod  Electrical Engineering
"VLSI Enrichment, #121-8870-4"
From Univ of Hawaii Foundation
10/15/03 - 05/15/04 (New)  $24,961

603. Manghnan, Muril H  Haw Inst Geophys & Planet
"Scanning Acoustic Microscopy of Interfaces in Cement Composites"
From DOT-Dept of Transportation
07/09/03 - 09/30/04 (Supplement)  $220,000

604. Mangnhan, Muril H  Haw Inst Geophys & Planet
"Compressibility and Structure of Silicate Materials at High Pressure"
From National Science Foundation
11/14/03 - 07/31/04 (Supplement)  $29,000
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<td>Martindale, Mark Q</td>
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<td>&quot;Collaborative Research-Assembling the Tree of Life: An Integrated Approach to the Origin and Diversification of Protostomes&quot;</td>
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622. Mau, Marjorie K  Medicine- MED
"Partnership for Diabetes Related Disparities in Hawaii"
From NIH-Nat'l Center for Minority Health Disparities
09/30/03 - 09/29/04  (Continuation)  $1,093,656

623. Mau, Ronald  Molecular Biosciences & Bioengineering
"Area-wide Integrated Pest Management of Fruit Flies in Hawaiian Fruits & Vegetables (Economics)"
From DA-Dept of Agriculture
09/30/03 - 07/30/06  (Supplement)  $128,540

624. Mau, Ronald  Plant & Environmental Protection Sci
"IPM Strategies for Control of Tephritid Fruit Flies that Infest Hawaii Grown Fruits and Vegetables"
From DA-Dept of Agriculture
09/28/00 - 09/14/05  (Renewal)  $541,884

625. Maximenko, Nikolai  Oceanography - SOEST
"Validation of Mean Absolute Sea Level of the North Atlantic Obtained from Drifter, Altimetry and Wind Data"
From Nat'l Aeronautics & Space Administration
09/23/03 - 09/30/03  (Supplement)  $900

626. Mayeda, David  Psychiatry- MED
"State Incentive Grant for Kaimuki/Falolo"
From Boys and Girls Club of Hawaii
08/01/03 - 07/31/04  (New)  $9,000

627. Mayeda, David  Psychiatry- MED
"State Incentive Grant for Nuuauan/Makiki"
From Boys and Girls Club of Hawaii
08/01/03 - 07/31/04  (New)  $9,000

628. McClatchey, Will C  Botany
"BIOPHORIX - University of Hawaii Collaborative Research Agreement"
From Biophorix, Inc
12/03/03 - 12/02/07  (New)  $790,540

629. McCreary, Julian P  Sch Ocean,Earth Sci & Tec
"Frontier Research Program for Global Change - JAMSTEC FY 2003 - YR 7"
From Japan Marine Science & Technology Center
04/01/03 - 03/31/04  (Supplement)  $3,325,337

630. McCreary, Julian P  JIMAR - SOEST
"Establishment of a Data and Research Center for Climate Studies"
From DOC-National Oceanic & Atmospheric Administration
07/01/03 - 06/30/04  (Supplement)  $554,100

631. McCreary, Julian P  Sch Ocean,Earth Sci & Tec
"JAMSTEC Year 8"
From Japan Marine Science & Technology Center
04/01/04 - 03/31/05  (New)  $3,225,577

632. McFall-Ngai, Margaret  Pacific Biomed Rsrch Cntr
"Re-Jororal Signaling in Animal-bacteria Development"
From National Science Foundation
07/01/04 - 06/30/05  (Continuation)  $160,000

633. McManus, Margaret Ann Oceanography - SOEST
"Quantification of the Interacting Physical, Biological, Optical and Chemical Properties of Thin Layers in the Sea"
From DOD-Dept of Navy
03/01/04 - 01/31/07  (New)  $150,000

634. McMurtry, Gary M  Oceanography - SOEST
"Collaborative Research: Constraining the Temporal Resolution and Geochronology of Holocene Sediment Records from the Antarctic Continental Shelf..."
From Bermuda Biological Station for Research
05/15/03 - 04/30/05  (New)  $38,300

635. Measures, Christopher  Oceanography - SOEST
"Plankton Dynamics and Carbon Cycling in the Equatorial Pacific Ocean: Control by Fe, Si and Grazing"
From Oregon State University
12/01/03 - 11/30/07  (New)  $314,597

636. Measures, Christopher  Oceanography - SOEST
"Collaborative Research: Sampling and Analysis of Iron, an International Collaboration"
From National Science Foundation
10/01/03 - 09/30/05  (New)  $44,598

637. Meech, Karen J  Institute for Astronomy
"The Origin, History and Distribution of Water and its Relation to Life in the Universe"
From Nat'l Aeronautics & Space Administration
11/01/03 - 10/31/04  (New)  $167,180

638. Meech, Karen J  Institute for Astronomy
"Deep Impact"
From Univ of Maryland
06/16/03 - 02/29/04  (Continuation)  $27,131
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<td>Merrifield, Mark A</td>
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<td>&quot;In Situ Tide Gauges/GPS Stations for Monitoring the Temporal Drift of Satellite Altimeters&quot;</td>
<td>08/01/03 - 12/31/03</td>
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<td>&quot;The ENSO Observing System: In-Situ Sea Level&quot;</td>
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<td>&quot;Field Observations in Support of the Pacific Islands Land-Ocean Typhoon Experiment (PILOTE)&quot;</td>
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<td>Merrifield, Mark A</td>
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<td>Chemistry</td>
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<td>Michaud, Jon-Pierre</td>
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<td>&quot;Big Island Asthma Pilot Study Mod 7&quot;</td>
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<td>Mickey, Donald L</td>
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<td>&quot;Energization of Solar Activity&quot;</td>
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| 656 | Millar, Lynnae K        | Medicine - MED      | "Periodontal Disease in Diabetic Women with Preterm Birth"           | From Univ of North Carolina- Chapel Hill                                             | 09/30/03 - 06/31/04 | (Continuation)                                                                 | $122,654 |
| 657 | Minerbi, Luciano        | Urban & Regional Planning | "Coastal Cultural Resource Study Island of Hawaii"                     | From Hawaii-OH of Hawaiian Affairs                                                  | 11/13/03 - 12/30/05 | (New)                                                                            | $82,000  |
| 658 | Miser, Keith            | UHH - Agriculture   | "Support of Agriculture Research FY 03"                              | From DA-Dept of Agriculture                                                          | 09/15/02 - 09/14/03 | (Continuation)                                                                 | $23,400  |
| 659 | Miser, Keith            | UHH - Agriculture   | "Support of Agriculture Research FY 04"                              | From DA-Dept of Agriculture                                                          | 09/15/03 - 09/14/04 | (New)                                                                            | $25,500  |
| 660 | Miser, Keith            | UHH - Agriculture   | "Support of Agriculture Research FY 03"                              | From DA-Dept of Agriculture                                                          | 09/15/02 - 09/14/03 | (Continuation)                                                                 | $4,167   |
| 661 | Miura, Tomoaki          | Natural Resources & Environmental Mgt | "Multi-sensor Translation of EOS Reflectance and Vegetation Index Products for Long Term Continuity with AVHRR: EOS Science Proposal" | From Natl Aeronautics & Space Administration                                         | 09/15/04 - 06/14/07 | (Continuation)                                                                 | $151,263 |
| 662 | Miyasaka, Susan C       | Tropical Plant & Soil Science | "Cropping Systems to Control Tropical Soil-Borne Pests in Dryland-grown Taro" | From Utah State University                                                           | 10/01/03 - 06/30/06 | (New)                                                                            | $34,989  |
| 663 | Miyashiro, Sharon Y     | Social Science Ranch Inst | "Hawaii Renewable Energy Policy Forum"                                | From Hawaiian Electric Co Inc                                                       | 12/31/03 - 06/30/04 | (Supplement)                                                                   | $30,000  |
| 664 | Mobley, Joseph R        | UH-West Oahu         | "Assessing the Feasibility of Ship-Mounted Radar to Avoid Collisions with Great Whales - Phase II" | From Arete Associates                                                               | 08/01/03 - 04/30/04 | (Continuation)                                                                 | $100,000 |
| 665 | Moisyadi, Istefo        | Anatomy - MED        | "Transgenesis Gene-Therapy with Vectors"                             | From HCF-Geist Foundation                                                            | 06/01/04 - 09/30/05 | (New)                                                                            | $50,000  |
| 666 | Moncur, James E T       | Water Resource Research | "A Five-Year Biological and Sediment Monitoring Program on Specific Marine Communities Near the City's Ocean Sewer Outfalls" | From City and County of Honolulu                                                   | 07/30/03 - 09/30/07 | (Continuation)                                                                 | $416,845 |
| 667 | Moncur, James E T       | Water Resource Research | "Water Resources Research Institute Annual Base Program 2004"         | From DOI-Geological Survey                                                          | 03/01/04 - 02/28/05 | (New)                                                                            | $92,524  |
| 668 | Moore, Gregory F        | Geology & Geophys - SOEST | "Collaborative Research: Seismic Velocity, Compaction, and Pore Pressure in Underthrust Sediments, Nankai Subduction Zone" | From National Science Foundation                                                    | 08/01/03 - 07/31/06 | (New)                                                                            | $87,464  |
| 669 | Moore, Gregory F        | Geology & Geophys - SOEST | "Prestack Depth Migration of New Nankai Trough Seismic Reflection Lines"   | From JIO Inc                                                                        | 07/15/03 - 07/15/04 | (New)                                                                            | $26,750  |
| 670 | Moore, Gregory F        | Geology & Geophys - SOEST | "Collaborative Research: Seismic Velocity, Compaction, and Pore Pressure in Underthrust Sediments, Nankai Subduction Zone" | From National Science Foundation                                                   | 09/01/04 - 07/31/06 | (Supplement)                                                                   | $8,000   |
| 671 | Moreland, Victor        | Water Resource Research | "Oil and Grease Pilot Program"                                       | From General Growth Properties, Inc (GGP)                                           | 10/01/03 - 09/30/05 | (New)                                                                            | $89,869  |
| 672 | Moreland, Victor        | Water Resource Research | "Ultraviolet Radiation Technology Investigation"                       | From Trojan Technologies, Inc                                                      | 02/01/04 - 01/31/05 | (New)                                                                            | $63,983  |
673. Mottl, Michael J  Oceanography - SOEST
   "Collaborative Research: Sampling and Initial Characterization of Hydrothermal Fluids, Deposits, Microfauna, and Megafauna at Vent Fields along the..."
   From National Science Foundation
   01/01/04 - 12/31/04  (New)  $74,961

674. Mouginis-Mark, Peter J  Haw Inst Geophys & Planet
   "Analysis and Validation of SRTM Data Over Tropical Volcanoes"
   From Nat'l Aeronautics & Space Administration
   10/01/03 - 09/30/06  (New)  $76,000

675. Mouginis-Mark, Peter J  Haw Inst Geophys & Planet
   "Remote Sensing Data Products for Disaster Managers in the Western Pacific"
   From Raytheon Company
   07/07/03 - 08/31/03  (Continuation)  $10,140

676. Mouginis-Mark, Peter J  Haw Inst Geophys & Planet
   "Studies of Martian Impact Craters Using MGS and Odyssey Data"
   From Nat'l Aeronautics & Space Administration
   04/26/04 - 04/30/05  (Continuation)  $70,850

677. Mouginis-Mark, Peter J  Haw Inst Geophys & Planet
   "Remote Sensing Data Products for Disaster Managers in the Western Pacific"
   From Raytheon Company
   02/01/03 - 01/31/04  (Supplement)  $153,925

678. Mouginis-Mark, Peter J  Haw Inst Geophys & Planet
   "Remote Sensing Data Products for Disaster Managers in the Western Pacific"
   From Raytheon Company
   02/01/04 - 02/29/04  (Continuation)  $30,515

679. Mouginis-Mark, Peter J  Haw Inst Geophys & Planet
   "Remote Sensing Data Products for Disaster Managers in Western Pacific"
   From Raytheon Company
   05/03/04 - 09/04/04  (Continuation)  $12,131

680. Mouginis-Mark, Peter J  Haw Inst Geophys & Planet
   "Remote Sensing Data Products for Disaster Managers in Western Pacific"
   From Raytheon Company
   06/05/04 - 07/31/04  (Continuation)  $49,097

681. Mueller-Dombois, Dieter Botany
   "PABITRA Network for Collaborative Research on the Ecology of Global Change in Island Landscapes of the Tropical Pacific"
   From Asia-Pacific Network for Global Change Research
   04/01/03 - 03/31/04  (New)  $31,815

682. Muller, Peter  Oceanography - SOEST
   "Dynamics of Internal Tides and Near-Inertial Internal Waves"
   From DOD-Dept of Navy
   03/08/04 - 12/31/05  (New)  $50,000

683. Muller, Peter  Oceanography - SOEST
   "Internal Wave Action Model (IWAM)"
   From DOD-Dept of Navy
   01/01/04 - 06/30/04  (Continuation)  $45,000

684. Murakwa, Miles Y  Cancer Research Center
   "Quality of Life in Testis Cancer Survivors"
   From NIH-Nat'l Cancer Institute (NCI)
   09/27/03 - 08/31/04  (New)  $68,150

685. Murata, Nathan M  Kinesiology & Leisure Sci
   "Project Literacy Enriched - Physical Education (LE-PE)"
   From Univ of South Florida
   08/03/03 - 08/30/04  (New)  $10,000

686. Murphy, Suzanne P  Cancer Research Center
   "Evaluating Errors in Reported Use of Dietary Supplements"
   From NIH-Nat'l Cancer Institute (NCI)
   05/01/04 - 04/30/05  (New)  $258,579

687. Murphy, Suzanne P  Cancer Research Center
   "Dietary Patterns & Nutritional Adequacy - Does Variety Matter?"
   From DA-Dept of Agriculture
   05/11/04 - 09/30/04  (Supplement)  $23,030

688. Nachtigall, Paul E  Haw Inst Marine Bio-SOEST
   "FY03 Supplement to: Hearing and Temporary Threshold Shifts in Dolphins and Whales"
   From DOD-Dept of Navy
   08/22/03 - 11/30/04  (Supplement)  $282,506

689. Nachtigall, Paul E  Haw Inst Marine Bio-SOEST
   "FY03 Supplement to: Hearing and Temporary Threshold Shifts in Dolphins and Whales"
   From DOD-Dept of Navy
   08/25/03 - 11/30/04  (Supplement)  $734
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<td>&quot;Participation in the Consolidated Infrared Spectrometer (CIRS) Project as Co-Investigator&quot;</td>
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<td>Porter, John N</td>
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<td>&quot;Measurements of Aerosol Phase Functions, Scattering Coefficients and Extinction Coefficients: Passive and Active Remote Sensing&quot;</td>
<td>From Natl Aeronautics &amp; Space Administration</td>
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<td>Prevedouros, Panos D</td>
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<td>Qu, Tangdong</td>
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<td>&quot;Upwelling and Its Influence on the Sea Surface Temperature off Java and Sumatra&quot;</td>
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743. Rayner, John T  Institute for Astronomy
   "The Next Generation Spectral Library"
   From Space Telescope Science Institute
   08/01/03 - 07/31/05 (New)  $19,847

744. Rayner, Martin D  Pacific Biomed Rsrch Cntr
   "University of Hawaii SNP"
   From NIH-Natl Inst of Neurological Disorders & Stroke
   09/01/03 - 08/31/04 (Continuation)  $1,068,050

745. Reipurth, Bo  Institute for Astronomy
   "HH110: Collision Between a Jet and a Cloud"
   From Space Telescope Science Institute
   11/01/03 - 10/31/05 (New)  $4,200

746. Reipurth, Bo  Institute for Astronomy
   "An ACS/WFC H-Alpha Survey of the Orion Nebula"
   From Space Telescope Science Institute
   11/01/03 - 10/31/05 (New)  $8,034

747. Reipurth, Bo  Institute for Astronomy
   "The Star Formation Newsletter"
   From Nat'l Aeronautics & Space Administration
   04/15/04 - 04/14/05 (New)  $26,000

748. Reipurth, Bo  Institute for Astronomy
   "Exploring X-rays in Protostellar Jets"
   From Smithsonian Astrophysical Observatory
   01/06/04 - 01/05/05 (New)  $17,875

749. Reipurth, Bo  Institute for Astronomy
   "Herbig-Haro Flows as Probes of Early Stellar Evolution (Collaborative Research)"
   From National Science Foundation
   06/01/04 - 05/31/07 (New)  $232,000

750. Reipurth, Bo  Institute for Astronomy
   "The Youngest Stars"
   From Univ of Colorado
   12/02/03 - 02/14/04 (Continuation)  $49,384

751. Reipurth, Bo  Institute for Astronomy
   "An ACS/WFC H-Alpha Survey of the Orion Nebula"
   From Space Telescope Science Institute
   01/14/04 - 12/31/05 (Continuation)  $25,902

752. Reipurth, Bo  Institute for Astronomy
   "HH110: Collision Between a Jet and a Cloud"
   From Space Telescope Science Institute
   01/23/04 - 12/31/05 (Continuation)  $12,611

753. Richards, Kelvin  Oceanography - SOEST
   "Mixing in the Equatorial Pacific: The Role of Interleaving"
   From National Science Foundation
   09/01/03 - 08/31/06 (New)  $346,315

754. Richmond, Robert  Pacific Biomed Rsrch Cntr
   "Integrating Coral Reef Ecosystem Integrity and Restoration Options with Watershed-Based Activities to Identify the Classes and Concentrations of ...
   From Univ of Guam
   02/01/04 - 07/31/04 (New)  $116,829

755. Riggs, H R  Civil and Environmental Engineering
   "Instrumenting and Monitoring the Performance of the FRP Shear Strengthening of the Salt Lake Boulevard Bridge"
   From Hawaii-Dept of Transportation
   11/01/03 - 10/31/08 (New)  $360,886

756. Robertson, Ian N  Civil and Environmental Engineering
   "Five Year Monitoring of Corrosion Field Specimens"
   From Hawaii-Dept of Transportation
   06/01/04 - 05/31/09 (New)  $20,599

757. Robertson, Ian N  Civil and Environmental Engineering
   "Soil Investigation and Soil-Structure Interaction Modeling of the Kealakaha Bridge"
   From Hawaii-Dept of Transportation
   02/17/04 - 02/18/07 (New)  $60,556

758. Robertson, Ian N  Civil and Environmental Engineering
   "Seismic/Tsunami Construction, Phase-I: A Pilot Study"
   From Washington State Military Dept
   03/29/04 - 09/30/04 (New)  $34,314

759. Robinow, Steven N  Zoology
   "Understanding NR2E3 Function: A Nuclear Receptor Involved in Photoreceptor Differentiation and Degeneration"
   From HCF-G.F. Straub Trust
   10/22/03 - 10/22/04 (New)  $12,000
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<td>Robinow, Steven N</td>
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<td>&quot;The Biology of Efflux Pumps: Proteins that Confer Multidrug Resistance to Tumors&quot;</td>
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<td>Rodriguez, Beatriz L</td>
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<td>&quot;Staffing Support for 'Genetic Determinants of Human Hypertension' (Family Blood Pressure Program)&quot;</td>
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<td>Rubin, Kenneth H</td>
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<td>Communicating in Khmer: An Interactive Advanced-Level Course with CD-ROMs</td>
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<td>Hawaii &amp; Indo-Pacific Language</td>
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<td>&quot;Interannual to Decadal Variations of Paleoclimate in the North Central Pacific: Interpretation from a Laminated Sediment Sequence in Hawaii&quot;</td>
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<td>&quot;Transition from Experimental Climate Prediction to Operational Climate Forecasting &amp; Information Services for the U.S. Affiliated Pacific Islands&quot;</td>
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<td>&quot;Determination of the Oceanic Habitat for Highly Migratory Species (HMS) from Satellite Remote Sensing and Archival Tagging&quot;</td>
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<td>08/01/03</td>
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<td>Sharma, Sangita</td>
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<td>&quot;Is Disparity in Prostate Cancer Rates Between African Americans and Whites Associated with Well-done Meat Consumption and NAT1 and NAT2 Acetylator...&quot;</td>
<td>02/01/04</td>
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<td>817</td>
<td>Sharma, Shiv K</td>
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<td>&quot;Development of a Combined Instrument for LIBS and Remote Raman Spectroscopy to Operate at Stand-off Distances up to Ten Meters or More&quot;</td>
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School of Medicine  
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From National Institutes of Health  
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$136,300

830. Shiroma, Wayne A  
Electrical Engineering  
"Modeling and Circuit Design for Antimonide-Based Semiconductor Devices"  
From Northrop Grumman  
05/01/03 - 10/26/03  
(Continuation)  
$17,500

831. Shiroma, Wayne A  
Electrical Engineering  
"Advanced MMIC Technology"  
From Northrop Grumman  
07/01/03 - 07/01/04  
(Continuation)  
$25,000

832. Shiroma, Wayne A  
Electrical Engineering  
"Circuit Design for Intelligent RF Front Ends"  
From Northrop Grumman  
07/02/03 - 08/30/03  
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$25,000

833. Shiroma, Wayne A  
Electrical Engineering  
"Circuit Design for Intelligent RF Front Ends"  
From Northrop Grumman  
12/31/03 - 03/05/05  
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834. Shiroma, Wayne A  
Electrical Engineering  
"Modeling and Circuit Design for Antimonide-Based Semiconductor Devices"  
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10/27/03 - 07/25/04  
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$43,750

835. Shultz, Edward J  
Korean Studies- SHAPS  
"Arirang Classroom Education Program"  
From Korea Foundation  
12/01/03 - 11/30/04  
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$45,000

836. Sibert, John R  
JIMAR - SOEST  
"Development of Hierarchical Model to Estimate Sea Turtle Rookery Contributions to Mixed Stocks in Foraging Habitats"  
From DOC-National Oceanic & Atmospheric Administration  
01/14/04 - 06/30/06  
(Supplement)  
$45,779

837. Sibert, John R  
JIMAR - SOEST  
"Evaluating Biochemical and Physiological Predictors of Long Term Survival in Released Pacific Blue Marlin Tagged with Pop-Up Satellite Archival..."  
From DOC-National Oceanic & Atmospheric Administration  
01/01/04 - 12/31/04  
(Supplement)  
$99,347

838. Sibert, John R  
JIMAR - SOEST  
"Oceanographic Characterization of the American Samoa Longline Fishing Grounds for Albacore, Thunnus alalunga"  
From DOC-National Oceanic & Atmospheric Administration  
01/01/04 - 12/31/04  
(Supplement)  
$100,000

839. Sibert, John R  
JIMAR - SOEST  
"Integrated Statistical Model for Hawaiian Albatross Populations"  
From DOC-National Oceanic & Atmospheric Administration  
04/01/04 - 03/31/05  
(Supplement)  
$87,111

840. Sibert, John R  
JIMAR - SOEST  
"Incorporating Oceanographic Data in Stock Assessments of Blue Sharks and Other Species Incidentally Caught in the Hawaii-Based Longline Fishery"  
From DOC-National Oceanic & Atmospheric Administration  
01/01/04 - 12/31/04  
(Supplement)  
$82,400

841. Sibert, John R  
JIMAR - SOEST  
"Trophic Structure and Tuna Movement in the Cold Tongue-Warm Pool Pelagic Ecosystem of the Equatorial Pacific"  
From DOC-National Oceanic & Atmospheric Administration  
01/01/04 - 12/31/04  
(Supplement)  
$146,385

842. Sibert, John R  
JIMAR - SOEST  
"Comparisons of Catch Rates for Target and Incidentally Taken Fishes in Widely Separated Areas of the Pacific Ocean"  
From DOC-National Oceanic & Atmospheric Administration  
01/01/04 - 12/31/04  
(Supplement)  
$101,605

843. Sibert, John R  
JIMAR - SOEST  
"Causes of Rapid Declines in World Billfish Catch Rates"  
From DOC-National Oceanic & Atmospheric Administration  
01/01/04 - 12/31/04  
(Supplement)  
$57,665

844. Siegel, Jeffrey  
Second Language Studies  
"External Influences and Internal Variation in Hawai’i Creole English"  
From National Science Foundation  
04/15/04 - 03/31/06  
(New)  
$177,291

845. Simon, Theodore  
Institute for Astronomy  
"The Solar-Stellar Connection in the NGC 752 Open Cluster"  
From Smithsonian Astrophysical Observatory  
10/03/03 - 10/05/04  
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<td>&quot;Origin of the Far-UV Emission from Binary Pre-Main Sequence Herbig Ae/Be Stars&quot;</td>
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<td>&quot;Collaborative Research: Integrated Petrological, Geophysical, and Numerical Modeling Constraints on Crustal and Mantle Processes Along the Galapagos.&quot;</td>
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<td>Sinton, John M</td>
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<td>&quot;Insight into Mantle Melting and Crustal Differentiation of Ocean Island Volcanoes: An Isotopic and Trace Element Study of Walanian Volcano, Hawaii&quot;</td>
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<td>&quot;Subcontract to WHOI for Seamount Surveys of Deep-Water Coral Distributions as Related to Geological Setting in the Northwestern Hawaiian Islands&quot;</td>
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<td>&quot;Purification of White Spot Virus from WSV-Infected Shrimp and Isolation of RNA Therefrom&quot;</td>
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<td>Ward, W Steven</td>
<td>Anatomy - MED</td>
<td><em>Importance of the Sperm Nuclear Matrix for Embryogenesis</em></td>
<td>NIH-Natl Inst of Child Health &amp; Human Devpmnt</td>
<td>01/01/04 - 12/31/04</td>
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<td>Wessel, Paul</td>
<td>Geology &amp; Geophys - SOEST</td>
<td><em>Support for the Generic Mapping Tools (GMT)</em></td>
<td>National Science Foundation</td>
<td>01/01/04 - 12/31/04</td>
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<td>West, Michael J</td>
<td>UHH- Physics</td>
<td><em>Intergalactic Globular Clusters</em></td>
<td>Space Telescope Science Institute</td>
<td>01/01/03 - 12/31/05</td>
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<td>960.</td>
<td>West, Michael J</td>
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<td><em>ACS Virgo Cluster Survey</em></td>
<td>Space Telescope Science Institute</td>
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<td>961.</td>
<td>West, Michael J</td>
<td>UHH- Physics</td>
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<td>State University of New Jersey (Rutgers)</td>
<td>06/01/02 - 05/31/04</td>
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<td>Whitlow, G Causey</td>
<td>Physiology - MED</td>
<td><em>Investigation into Dolphin Physiology</em></td>
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<td>08/07/03 - 12/30/03</td>
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<td>963.</td>
<td>Wieczorek, Anna</td>
<td>Coll, Trop Ag &amp; Human Res</td>
<td><em>Assessment &amp; Management of the Potential Benefits &amp; Risks of Genetically Modified Organisms</em></td>
<td>DA-Dept of Agriculture</td>
<td>09/30/03 - 07/31/08</td>
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<td>964.</td>
<td>Wikramanayake, Athula</td>
<td>Zoology</td>
<td><em>Specification and Patterning of the Animal-Vegetal Axis</em></td>
<td>National Science Foundation</td>
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<td>965.</td>
<td>Wikramanayake, Athula</td>
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<td><em>Regulation of an Oncogenic Signaling Pathway</em></td>
<td>HCF-Ingeborg V.F. McKee Fund</td>
<td>10/22/03 - 10/22/04</td>
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<td>966.</td>
<td>Wilcox, Bruce</td>
<td>School of Medicine</td>
<td><em>Strengthening Community Capacity for Health in Waimanalo</em></td>
<td>Hawaii Medical Services Assoc Foundation</td>
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<td>967.</td>
<td>Wilkens, Roy H</td>
<td>Haw Inst Geophys &amp; Planet</td>
<td><em>The Role of Bottom Variability in Mine Burial Prediction</em></td>
<td>DOD-Dept of Navy</td>
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<td>DOD-Dept of Navy</td>
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<td>Wilkins, Roy H</td>
<td>Haw Inst Geophys &amp; Planet</td>
<td>&quot;The Role of Bottom Variability in Mine Burial Prediction&quot;</td>
<td>06/07/04 - 12/31/05 (Continuation) $1,027</td>
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<td>970</td>
<td>Wilkinson, Robert W</td>
<td>Cancer Research Center</td>
<td>&quot;Per Case &amp; Specimen Reimbursement Agreement&quot;</td>
<td>From Children's Oncology Group Foundation 01/01/02 - 02/28/03 (New) $16,000</td>
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<td>Wilkinson, Robert W</td>
<td>Cancer Research Center</td>
<td>&quot;Cooperative Research Agreement (for Children's Oncology Group Trials)&quot;</td>
<td>From Kapiolani Medical Center 07/01/04 - 06/30/06 (Continuation) $258,573</td>
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<td>972</td>
<td>Williams, Jonathan P</td>
<td>Institute for Astronomy</td>
<td>&quot;CAREER: The Formation of Stars in Groups&quot;</td>
<td>From National Science Foundation 05/01/04 - 04/30/05 (Continuation) $132,770</td>
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<td>973</td>
<td>Wilshire, John C</td>
<td>HURL - SOEST</td>
<td>&quot;Submersible Support for 'Voyage Discovery in the Pacific Ocean'&quot;</td>
<td>From DOC-National Oceanic &amp; Atmospheric Administration 08/30/03 - 09/30/03 (New) $1,200,000</td>
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<td>974</td>
<td>Wilshire, John C</td>
<td>HURL - SOEST</td>
<td>&quot;Submersible Support for &quot;Lo'ihi Seamount: A Film Documentary&quot;</td>
<td>From Pangolin Pictures, Inc 12/01/03 - 12/31/03 (New) $22,551</td>
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<td>Wilshire, John C</td>
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<td>&quot;Marine Minerals Industry Development: Phase III&quot;</td>
<td>From Hawaii-Dept of Business &amp; Economic Development 05/01/04 - 05/31/05 (New) $10,000</td>
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<td>Wong, Daniel</td>
<td>Counselor Education</td>
<td>&quot;Rehabilitation Research Institute for Under-Represented Populations (RRIUP)&quot;</td>
<td>From Southern University 12/01/03 - 11/30/08 (New) $50,000</td>
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<td>978</td>
<td>Wood, D William</td>
<td>Social Science Research Inst</td>
<td>&quot;Arrestee Drug Abuse Monitoring&quot;</td>
<td>From National Opinion Research Center 10/01/03 - 12/31/04 (Continuation) $94,950</td>
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<td>Worcel, Stephen</td>
<td>UHH- Social Science</td>
<td>&quot;Robbers Cave: Groups in Conflict&quot;</td>
<td>From National Science Foundation 11/01/02 - 08/31/04 (New) $338,453</td>
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<td>Wright, Mark G</td>
<td>Plant &amp; Environmental Protection Sci</td>
<td>&quot;Biology and Control of Micro-Lepidoptera on Pineapple&quot;</td>
<td>From Hawaii-Dept of Agriculture 11/12/03 - 05/11/05 (New) $29,750</td>
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<td>981</td>
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<td>JIMAR - SOEST</td>
<td>&quot;Roles of Ocean-Atmosphere-Land Interaction in Shaping Tropical Atlantic Variability&quot;</td>
<td>From DOC-National Oceanic &amp; Atmospheric Administration 07/01/03 - 06/30/04 (Supplement) $84,990</td>
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<td>&quot;Effects of the Andes on the Eastern Pacific Climate&quot;</td>
<td>From DOC-National Oceanic &amp; Atmospheric Administration 01/01/03 - 12/31/03 (Supplement) $96,000</td>
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<td>983</td>
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<td>Meteorology - SOEST</td>
<td>&quot;An Investigation of Monthly Wind Variability in the Eastern Equatorial Pacific Using the Sea Winds, In-Situ Observations and Numerical Modeling&quot;</td>
<td>From Jet Propulsion Lab 01/12/04 - 04/30/04 (Supplement) $33,120</td>
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<td>Yamauchi, Lois A</td>
<td>Educational Psychology</td>
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<td>From Univ of California- Santa Cruz 07/01/03 - 03/31/04 (Supplement) $112,229</td>
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987. Yamazaki, Yukiko  Anatomy- MED  
"Genomic Structure and Function of Clustered Cadherin Family"  
From Japan Science and Technology Corp  
04/01/03 - 03/31/04  (Continuation)  $23,100

988. Yan, Yuling  Mechanical Engineering  
"Develop Analytical Tools for High Speed Laryngeal Imaging in Clinical Applications"  
From National Science Foundation  
07/01/04 - 06/30/07  (New)  $321,475

989. Yanagihara, Richard T  Pediatrics- MED  
"Pacific Center for Emerging Infectious Diseases Research"  
From NIH-Nati Center for Research Resources (NCRR)  
09/30/03 - 06/30/04  (New)  $1,936,240

990. Yanagimachi, Ryuzo  Anatomy- MED  
"Germline-Specific Reprogramming in Cloned Mice"  
From Univ of Texas-San Antonio  
06/01/03 - 05/31/04  (Continuation)  $253,681

991. Yanagimachi, Ryuzo  Anatomy- MED  
"Nucleoproteins in Mammalian Spermatogenesis"  
From Univ of Texas-Houston  
12/01/03 - 11/30/04  (Continuation)  $14,993

992. Yanagimachi, Ryuzo  Anatomy- MED  
"Germline-Specific Reprogramming in Cloned Mice"  
From Univ of Texas-San Antonio  
06/01/04 - 05/31/05  (Continuation)  $261,293

993. Yang, Jinzeng  Human Nutrition, Food & Animal Sci  
"Muscle-Fat Interactions and Obesity Prevention"  
From HCP-Ingeborg V.F. McKee Fund  
05/12/04 - 05/12/05  (New)  $48,300

994. Yang, Ping-Yi  Molecular Biosciences & Bioengineering  
"Polluted Runoff Control for Walalae Livestock Farm"  
From DOH-Clean Water Branch  
01/29/04 - 01/28/06  (New)  $200,000

995. Yang, Ping-Yi  Molecular Biosciences & Bioengineering  
"Development of a Pilot Plant for Domestic Sewage Treatment and Reuse with Entrapped Mixed Microbial Cell (EMMC) Unit Process"  
From Korea Institute of Science and Technology  
07/01/03 - 12/31/03  (New)  $42,000

996. Yang, Ping-Yi  Molecular Biosciences & Bioengineering  
"Development and Design of Innovative Bioreactors to Remove PCBs from Oil at Pearl Harbor, Hawaii"  
From Dawson Group, Inc  
03/02/04 - 06/30/04  (Supplement)  $6,000

997. Yost, Russell S  Tropical Plant & Soil Science  
"Updating Macademia Nutrient Recommendations: Implementing Crop Logging and Correcting the Apparent Root Inefficiency (Year 3)"  
From Hawaii-Dept of Agriculture  
12/23/03 - 06/22/05  (Continuation)  $25,000

998. Yost, Russell S  Tropical Plant & Soil Science  
"Nitrogen Management and Conservation Decision-Aids Development"  
From DA-Dept of Agriculture  
09/10/03 - 02/01/04  (New)  $30,000

999. Yost, Russell S  Tropical Plant & Soil Science  
"Improving & Sustaining Food & Raw Material Production in West Africa"  
From Virginia Polytechnic Institute  
09/27/03 - 09/30/03  (Continuation)  $11,000

1000. Yuh, Junku  Mechanical Engineering  
"Development of a Semi-Autonomous Underwater Vehicle for Intervention Missions (SAUVM)"  
From DOD-Dept of Navy  
08/01/03 - 01/31/05  (Continuation)  $630,000

1001. Ziegler-Chong, Sharon  UHH- Agriculture  
"Unit Support/General Activities"  
From DOI-Dept of Interior  
09/30/03 - 12/31/04  (Continuation)  $199,587

1002. Zhirin, Pavel  Haw Inst Geophys & Planet  
"Nondestructive Characterization of Nanostructured DLC Coatings by Scanning Acoustic Microscopy, Brillouin Spectroscopy, and Ultrasonic Atomic Force..."  
From Caterpillar Inc  
11/01/03 - 10/31/04  (Supplement)  $25,000