

UNIVERSITY OF HAWAI‘I SYSTEM ANNUAL REPORT



REPORT TO THE 2011 LEGISLATURE

Annual Report on
Research And Training Revolving Fund
2009-2010

HRS 304A-2253

November 2010

**ANNUAL REPORT ON THE
RESEARCH AND TRAINING REVOLVING FUND
2009/2010**

INTRODUCTION

The Research and Training Revolving Fund continues to be very effective in stimulating research, which results in extramural contracts and grants. This report summarizes the utilization of the Fund for 2009-2010 and indicates the effectiveness of this support. Procedures for awarding grants from the Fund were the same as in previous years.

The Governor's approved guidelines for the administration and utilization of the Fund:

1. The funds were administered by the Vice President for Research, the Manoa Vice Chancellor for Research, and the University Research Council within the general guidelines approved by the University President.
2. The funds were administered in the four categories described under Part I – Fund Utilization.

I. FUND UTILIZATION

Pursuant to HRS Section 304A-2253, \$45,806,602 was deposited into the Research and Training Revolving Fund and allocated as follows:

A. Scholarly Development Fund

The Scholarly Development Fund serves two purposes. The first is to provide seed money support to develop research projects or training programs for extramural funding. The second is to provide travel funds for University professionals that enable them to communicate research and new ideas at international, national or regional meetings, and to permit contact with extramural funding agencies.

Allocation

A total of \$300,000 was allocated to the fund by the Vice President for Research and the Manoa Vice Chancellor for Research and distributed as follows:

1. Seed Money Program: \$0
Table 1. (Not applicable)
2. Professional Travel: \$300,000

The council reviewed 276 travel requests totaling \$506,783.94. It made 236 awards totaling \$336,467.33 or 66% of the amount requested. Table 2 lists the Professional Travel recipients.

Allocation for 2010-2011: \$350,000

B. Facilitating Services Fund

The Facilitating Services Fund is used to support the research, instruction and public service missions of the University units that generated overhead revenue.

The fund is allocated in proportion to the overhead revenue generated by each of the units.

Effective FY 1999, the Deans and Directors of the units were granted the authority to expend these funds at their own discretion.

Allocation

A total of \$23,037,268 was allocated to the fund. Table 3 lists the distribution by unit.

Allocation for 2010-2011: \$23,062,779

C. Project Development Fund

The Project Development Fund is used to facilitate research and training in new or developing fields, provide matching funds for the acquisition of research equipment, and to promote participation in professional organizations.

Allocation

\$8,680,612 was allocated to the Manoa Vice Chancellor for Research to facilitate research and training in new or developing fields. The Vice Chancellor made 88 awards totaling \$14,949,651.30. Table 4 lists the Project Development Fund recipients.

\$0 was allocated to the fund of Innovative Scholarship And Creative Works by the Vice Chancellor for Research.

\$50,000 was allocated to the Research Relations fund by the Vice Chancellor for Research. The URC received 12 applications totaling \$61,210. The Council approved funding for 8 projects totaling \$31,700. Table 5 lists the Research Relations Fund recipients.

\$40,000 was allocated to the Undergraduate Summer Research by the Vice Chancellor for Research. The Vice Chancellor for Research received 31 applications totaling \$86,305.95 and made 11 awards totaling \$31,492. Table 6 lists the Undergraduate Summer Research recipients.

\$2,500 was allocated to the Summer Excellence in Research Awards by the Vice Chancellor for Research. The Vice Chancellor for Research received 26 nominations and made 10 awards totaling \$2,500. Table 6-A lists the Summer Excellence in Research Awards recipients.

Allocation for 2010-2011: \$9,068,707

D. Vice President for Research Allocation:

A total of \$4,722,300 was allocated to the Vice President for Research and funds were allocated for the following:

The Vice President for Research made 39 awards totaling \$5,590,525.06 in support of programs summarized in Table 7.

The following amounts were designated for research infrastructure, \$8,973,922: \$4,816,250 for RCUH Management Fees, \$780,000 for High Speed Internet Connection, \$118,000 for UH Connections, \$392,437 for A-133 audit, \$2,867,235 for system wide research support.

Allocation for 2010-2011: \$12,964,028

E. Summary of Allocations, Expenditures & Commitments

	Allocation	Carry Forwards / Adjustments	Total Available	Expenditures FY 2009-2010	Committed to be Spent	Available Balance
SEED Money	-		-	-	-	-
Professional Travel	300,000	83,036	383,036	299,030	84,006	-
Facilitating Services	23,037,268		23,037,268	10,163,006	12,874,262	-
Project Development Fund						
Vice Chancellor for Research	8,680,612	4,126,979	12,807,591	12,166,330	641,261	-
Research Relations SEED Grants	-	32,521	32,521	-	32,521	-
Innovative Scholarship & Creative Works	-	37,656	37,656	11,464	26,192	-
Undergraduate Summer Research	40,000	-	40,000	15,835	24,165	-
Student Excellence in Research Awards	2,500	-	2,500	-	2,500	-
Research Relations Fund	50,000	38,782	88,782	13,443	75,339	-
Vice President for Research	4,722,300	2,613,444	7,335,744	5,319,488	2,016,256	-
Research Infrastructure	8,973,922		8,973,922	8,208,230	765,692	-
Total	45,806,602	6,932,419	52,739,021	36,196,825	16,542,195	-

II. RESULTS OF SEED MONEY AND PROFESSIONAL TRAVEL AWARDS

A. Extramural Awards to Recipients of Seed Money

Recipients of these funds are actively seeking new sources to support their research. The Revolving Fund is very important in this connection, especially for younger faculty not yet having established a track record. Once they have initiated research with seed money, they can cite initial results, and thus make a much stronger case for receiving additional support.

Results from seed money are not always immediate, but may occur some time after a seed money award. The results reported herein thus may be due to funds allocated in earlier years. The Fund was initiated in 1975.

The Research Council awards for seed money from the Revolving Fund give due consideration to the potential for generating extramural support. Faculty receiving seed money awards must indicate their plans for extramural funding to further research. During the last fiscal year, no awards were given for seed money.

B. Extramural Awards to Faculty Receiving Travel Support

The recipients of these travel awards are all productive scholars with active research agendas. The presentation of their research results at major professional meetings allows the investigators to meet with potential sponsors and exchange ideas with colleagues. It also exposes the broader professional community, including funding agencies, to the work being accomplished at the University of Hawaii, results in increased professional recognition of investigator and the University, and leads to additional funding.

Of those granted support to travel to professional meetings to present the results of research 55 received extramural funding for research/training projects totaling \$13,073,514.

III. TOTAL EXTRAMURAL SUPPORT FOR RESEARCH/TRAINING, 2009-2010

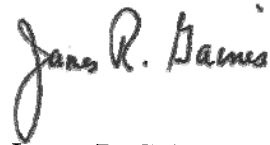
Attached are two summary tables, Table 8 for research and Table 9 for non-research and special projects, each of which gives comparative figures for awards made to the University, on a month by month basis, for this year and the past five years.

In 2009-2010, 1,161 research awards worth \$255,734,059 and 783 training awards worth \$196,674,610 were received.

CONCLUSIONS:

As summarized in this report, the Research and Training Revolving Fund is essential to the effective operation of the programs administered through this office. It is one of the most important sources of support this University has. The Governor and the Legislature should be highly commended for their foresight in establishing the Fund as an investment in the health of research and training at the University, and for the provision of the additional funds for equipment, repairs, and maintenance.

Respectfully submitted,

A handwritten signature in cursive script that reads "James R. Gaines". The signature is written in black ink and is positioned above the printed name.

James R. Gaines
Vice President for Research

Attachments

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Table 2 2009 - 2010 Professional Travel Awards Annual Report By Status

Group Count	PI Name	Rank	Department	Amount Awarded	Project Title
1	Ai J	I-3	FIN ECON & INS DEPT - SHIDLER COLLEGE OF BUS	\$ 2,000.00	An Optimization Approach to Enterprise Risk Management.
2	Aikau H K	I-3	POLITICAL SCI DEPT - C OF SOC SCI	1,386.00	"Feminist Theory, Gender, and Native Hawaiian Nationalism"
3	Albertini T D V	I-4	PHILOSOPHY DEPT - C ARTS & HUM	1,000.00	Beyond Pythagoras: Charles de Bovelles' Duodecimal System and the Superabundant
4	Ames R T	I-5	PHILOSOPHY DEPT - C ARTS & HUM	820.00	Confucian Role Ethics and the Moral Imagination.
5	Arboleda P	I-3	INDO PAC LANG DEPT - C OF L L L	750.00	Teaching Culture Through Translation and Subtitling.
6	Ardolino F	I-5	ENGLISH DEPT - C OF L L L	832.21	Petrarchanism, Nationalism and Empedocles in Watson and Kyd.
7	Babcock M	I-3	ART & ART HISTORY DEPT - C ARTS & HUM	2,000.00	Performance Art as Collaborative Site: An International Perspective on Community
8	Bacchilega C	I-5	ENGLISH DEPT - C OF L L L	1,200.00	"Grimm Tricking: Clever Gretel's "Sheer Delight"
9	Bachmann A S	R-4	CANCER CT HI - RES & DEAN OF GRAD DIV	1,000.00	Syrbactin, a Novel Proteasome Inhibitor Class, Induces Apoptosis and Autophagy in
10	Bae C J	I-3	ANTHROPOLOGY DEPT - C OF SOC SCI	1,500.00	Modern Human Origins Revisited: Perspectives from Luna Cave (Guangxi, China)
11	Baroni H J	I-4	RELIGION DEPT - C ARTS & HUM	1,250.00	Zen at a Distance: Isolation and the Development of Distant Membership.
12	Beh H G	I-4	LAW DEANS OFF - SCH OF LAW	1,250.00	The Insurance Policy as a Bilateral Contract.
13	Bellingr F P	R-3	CELL & MOLECULAR BIOLOGY - C OF HLTH SCI & S W	1,000.00	Choroid Plexus and Cerebral Spinal Fluid Have Increased Selenoproteins in
14	Bertz N	I-3	HISTORY DEPT - C ARTS & HUM	1,800.00	"Indian Ocean World Cinema: Race, Diaspora, and Urban Space in Tanzania, 1929-
15	Bhatawadekar S	I-3	INDO PAC LANG DEPT - C OF L L L	1,700.00	The Unique Case of Hindi-Urdu Heritage Language Programs Administrative and
16	Bingham B	I-3	MECH ENGINRG DEPT - C OF ENGINRG	1,936.00	Predicting the Navigation Performance of Underwater Vehicles.
17	Bloomer K C	I-3	RELIGION DEPT - C ARTS & HUM	1,500.00	"Mary the Subversive Storyteller"
18	Boric-Lubecke O	I-4	ELECT ENGINRG DEPT - C OF ENGINRG	1,500.00	Microwave Non-Invasive Sensing of Respiratory Tidal Volume.
19	Bowen B R	R-4	HAW INST OF MAR BIO - SCH O&ES&T	1,000.00	Comparative Phylogeography of Sea Turtles and Marine Fishes.
20	Boyce M	I-3	INDO PAC LANG DEPT - C OF L L L	2,000.00	The Legal Maori Project: A Report on the Pilot Phase.
21	Brennan C A	I-5	CRDG - C OF EDUCATION	1,500.00	Concept Mapping with Preschoolers: Using This Strategy in Multiple Ways to Promote,
22	Brown R P	I-5	MATHEMATICS DEPT - C OF NAT SCI	1,500.00	Strict Systems of Polynomial Extensions.
23	Browne C V	I-5	SCH SOC WORK - C OF HLTH SCI & S W	2,000.00	Immigrant Care Workers in Hawaii: Developing Socially just Workforce Policies and
24	Burnett K	S-2	SOC SC RS IN - RES & DEAN OF GRAD DIV	1,000.00	Worldwide Herpetological Species Movements from 1850: Accidental, Purposeful,
25	Carey R	R-3	GEOLOGY & GEOPHYSICS - SCH O&ES&T	1,912.60	"Enhanced proximal sedimentation during high intensity Plinian Plumes: Examples
26	Carlson D B	I-4	ZOOLOGY DEPT - C OF NAT SCI	1,100.00	Is the Coral Triangle a Species Source or Sink? Genetic Structure and Gene Flow of
27	Caron J E	I-5	ENGLISH DEPT - C OF L L L	1,325.00	The Satirist who Clowns: Revisiting Mark Twain's Performance at the Whittier
28	Carroll J	I-5	ENGLISH DEPT - C OF L L L	1,200.00	"Kenneth Burke's Rhetoric of Music and Its Catastrophic Disappearance" and "Slack
29	Cartwright B Y	I-4	KINESI & REHABILITATION SCI - C OF EDUC	770.00	Toward the Construction and Validation of the RMR Scale.
30	Chandler J D	I-3	MARKETING DEPT - SHIDLER COLLEGE OF BUS	1,500.00	Design It, Your Self-Experiences (DIY): Social Creativity and the Social Function of
31	Chappell D A	I-4	HISTORY DEPT - C ARTS & HUM	1,300.00	"Envisioning the Pacific: Dynamic Rim and Empty Void, or Sea of Islands and Littoral
32	Cheng M	I-3	FAMILY & CONSUMER SCI - C OF TA & HR	1,435.00	Disconnect Between Parents' Attitudes About Children Saving for the Future and
33	Chen Q	I-4	MARKETING DEPT - SHIDLER COLLEGE OF BUS	1,500.00	"The More the Merrier: Imagined Social Presence and Service Failure" and
34	Chen Y-L	I-5	METEOROLOGY - SCH O&ES&T	1,000.00	"High Resolution Weather Modeling Over the Hawaiian Islands" and "Island Effects on
35	Cheng B	I-3	EDUC FOUNDATIONS - C OF EDUC	1,590.00	An Empirical Study of American and Chinese College Students' Global Perspectives.
36	Cheng C-Y	I-5	PHILOSOPHY DEPT - C ARTS & HUM	1,000.00	Moral Law and the Principle of Benevolence: Thinking Through Metaphysics of
37	Chesney-Lind M	I-5	WOMENS STUDIES PROG - C OF SOC SCI	1,500.00	"Jailing Bad Girls: Trends in Juvenile Female Incarceration"
38	Christ T W	I-3	CTR ON DISABILITIES STUDIES - C OF EDUCATION	1,500.00	Critical Realism and Pragmatism as a Lens for Mixed Methods Research.
39	Chung H S	I-3	AMER STUDIES DEPT - C ARTS & HUM	1,438.00	"From the Ugly to the Weird: The Hideous Hybridity of Korea's Manchurian Westerns"
40	Coffman M K L	I-3	URB & REG PLAN DEPT - C OF SOC SCI	1,465.00	"Assessing Local Refinery Profitability and Rising World Oil Prices"
41	Conner A W	I-3	LAW DEANS OFF - SCH OF LAW	882.00	Getting Ancestors: Chinese Law Schools Restore (or Reinvent) Their Past.

Table 2 2009 - 2010 Professional Travel Awards Annual Report By Status

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42	Cook H M	I-5	E A LANG & LIT DEPT - C OF L L L	2,000.00	Politeness and Uses of Honorifics in a Japanese Committee Meeting.
43	Csordas G	I-5	MATHEMATICS DEPT - C OF NAT SCI	2,000.00	Meromorphic Laguerre Operators and the Zeros of Entire Functions.
44	Dalmiya V	I-4	PHILOSOPHY DEPT - C ARTS & HUM	1,500.00	Epistemic Multiculturalism and Objectivity: Rethinking Vandana Shiva's Eco-
45	Daniel S J	I-5	SCH OF ACCOUNTANCY - SHIDLER COLLEGE OF BUS	1,800.00	The Impact of Culture and Country-level Infrastructure on Corporate Practices: Theory
46	Das Gupta M	I-4	ETHNIC STUDIES DEPT - C OF SOC SCI	1,132.55	"El Pueblo Unido...": Immigrant Organizing and U.S. Nationalism.
47	Das P	I-3	URB & REG PLAN DEPT - C OF SOC SCI	1,670.00	Collective Action Around Service Delivery: Providing Water for the Urban Poor in
48	De Couet H G	I-4	ZOOLOGY DEPT - C OF NAT SCI	1,500.00	"A conserved role of the homeobox transcription factor Tinman during heart.
49	Deen K U	I-4	LINGUISTICS DEPT - C OF L L L	1,500.00	Binding where adults don't: Principle C in Thai.
50	Deng X	I-3	INFO TECH. MGMT. DEPT. - SHIDLER COLLEGE OF BUS	1,500.00	Learning to Use Enterprise Systems: System Use Problems and Knowledge Work of
51	Donegan P	I-4	LINGUISTICS DEPT - C OF L L L	1,462.00	Essentials of Sora Phonology and Iambic vs. Trochaic Effects in Austroasiatic.
52	Dong Y	I-4	ELECT ENGINRG DEPT - C OF ENGINRG	1,700.00	Towards Predictable Large-Scale Real-Time Delivery.
53	Doumas L A A	I-3	PSYCHOLOGY DEPT - C OF SOC SCI	1,400.00	The Development of Analogy: Executive Resources in Relational Learning and
54	Drager K	I-3	LINGUISTICS DEPT - C OF L L L	1,875.00	Exploiting Random Intercepts: Two case studies in socio-phonetics.
55	Drake D	I-4	BOTANY DEPT - C OF NAT SCI	2,000.00	Assessing the Importance of Native and Alien Animals in Hawaiian Pollination Webs
56	Drexler D	I-5	ART & ART HISTORY DEPT - C ARTS & HUM	2,000.00	"Out of Hawaii: Cutting Edge Art from the Edge of the World"
57	Dunn M A	R-4	HUM NUTR.FD&ANML SCI - C OF TA & HR	2,000.00	Clam Products as Food Sources of Iron: Iron Content and Bioavailability Relative to
58	Edmonds C	S-3	CTR ON THE FAMILY - C OF TA & HR	1,630.00	The Impact of Approved Destination Status on Mainland Chinese Travel Abroad.
59	Ferguson K E	I-5	POLITICAL SCI DEPT. - C OF SOC SCI	1,500.00	"Radicalizing American Politics: The Relevance of Kropotkin," and "The Gender
60	Frankel J D	I-3	RELIGION DEPT - C ARTS & HUM	1,500.00	Paper related to Francis Xavier and Catholic missionary activities in India and China
61	Franklin C	I-5	ENGLISH DEPT - C OF L L L	1,200.00	Post-9/11 Attacks on Academic Freedom: Uncivil States, Citizenship Practices, and the
62	Freese R	I-5	MATHEMATICS DEPT - C OF NAT SCI	1,200.00	Semisingular Elements In Free Lattices.
63	Fujikane C	I-4	ENGLISH DEPT - C OF L L L	1,400.00	Undoing the Frame Within the Frame: Critical Asian American Studies, Settler
64	Gaidos E	I-4	GEOLOGY & GEOPHYSICS - SCH O&ES&T	1,000.00	Are the Solar System's Oxygen Isotopes Anomalous?
65	Garneau M C	I-5	LANG&LIT EUROPE&AM - C OF L L L	1,500.00	The Translation of the Memoirs of Charles the 2nd's Friend, Retz.
66	Gasmien I F	I-2	INDO PAC LANG DEPT - C OF L L L	750.00	Filipino Heritage Language Café: Classroom Without Borders.
67	Gilbert M	I-3	CRDG - C OF EDUCATION	1,310.00	"Defining and Developing Content Knowledge for Teaching", "Examining the Role of
68	Glazer B T	I-3	OCEANOGRAPHY - SCH O&ES&T	1,000.00	Understanding the Biogeochemistry of Redox Gradients in Diverse Marine
69	Goldberg-Hiller J	I-4	POLITICAL SCI DEPT - C OF SOC SCI	1,500.00	Sharks and Pigs: Posthumanist Legality in Hawaii.
70	Gonzalez V	I-3	AMER STUDIES DEPT - C ARTS & HUM	1,200.00	"Militarizing Hawaii"
71	Gonzalez-Lloret M	I-2	LANG&LIT EUROPE&AM - C OF L L L	841.00	Spanish L2 null-subject development through SCMC.
72	Goodyear-Kaopua J N	I-3	POLITICAL SCI DEPT - C OF SOC SCI	1,000.00	"Eugenics, Militarization and the Naturalizing of US Empire in the Pacific"
73	Guo J	I-3	SCH SOC WORK - C OF HLTH SCI & S W	2,000.00	Public School Teachers' Perceptions of Migrant Child Education in China
74	Heghighipour N	R-3	INST FOR AST - RES & DEAN OF GRAD DIV	2,000.00	Meteorite Constraints on the Accretion of Planetesimals and Protoplanets in the Inner
75	Halliday T J	I-3	ECONOMICS DEPT - C OF SOC SCI	2,000.00	Health Inequality Over the Life-Cycle.
76	Hamilton J	I-3	ART & ART HISTORY DEPT - C ARTS & HUM	2,000.00	Strategic Materiality?: A Transcultural Aesthetics
77	Hara A H	R-5	PLT&ENVIRON PROT SCI - C OF TA & HR	1,500.00	"Control of the Invasive Coqui Frog in Hawaii"
78	He H	I-3	ECONOMICS DEPT - C OF SOC SCI	1,325.00	Welfare Cost of Medicare.
79	Head J D	I-5	CHEMISTRY DEPT - C OF NAT SCI	1,250.00	Gentle Basin Hopping for Global Optimization of Nanoclusters.
80	Heinrich K M	I-3	PUB HLTH SCI DEPT - C OF HLTH SCI & S W	1,770.00	Health Outcome Expectancies Predict Fruit and Vegetable Consumption Behavior.
81	Hellebrand E	S-3	GEOLOGY & GEOPHYSICS - SCH O&ES&T	1,450.00	Diversity and Chemical Signatures of Melt-Rock Interaction in the Mantle.
82	Herrero-Bervera E	R-5	HI INST OF GEOP-PLTY - SCH O&ES&T	1,500.00	Rock Magnetic Characterization Through an Intact Sequence of Oceanic Crust, IODP

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83	Higgins C	I-3	SECOND LANG STUDIES - C OF L L L	2,000.00	Language Learning as a Site for Belonging: Korean Adoptee-Returnees' use of Korean
84	Hitosugi C	I-2	E A LANG & LIT DEPT - C OF L L L	1,000.00	Using Social Networking Site In Japanese Class.
85	Ho P	I-3	ETHNIC STUDIES DEPT - C OF SOC SCI	806.40	Suburbanizing Ethno-Racial Identities: A Chinese American Case Study in the
86	Hoffenberg P H	I-4	HISTORY DEPT - C ARTS & HUM	1,000.00	" 'Nearly All Impossible Things Under the Sun: ' English and Australian Science at the
87	Hoffmann K A	I-5	LANG&LIT EUROPE&AM - C OF L L L	1,000.00	Bone Flowers and Wax Girls: Imaginaries of the Body Across Anatomy and Art.
88	Hoonchamlong Y	I-4	INDO PAC LANG DEPT - C OF L L L	1,000.00	"Teaching Reading Thai to Second Language Learners"
89	Houghton B	I-5	GEOLOGY & GEOPHYSICS - SCH O&ES&T	1,000.00	Advances in Studies of Volcanic Plumes and Pyroclastic Density Currents.
90	Hsu R Y	I-4	ENGLISH DEPT - C OF L L L	1,000.00	"To Live and Die in Hawaii"
91	Hu J	R-5	PLT&ENVIRON PROT SCI - C OF TA & HR	1,750.00	Banana bunchy top virus - resistant transgenic banana plants.
92	Huang W	I-4	FIN ECON & INS DEPT - SHIDLER COLLEGE OF BUS	1,800.00	Preferred Trading, Quote Competition, and Market Quality: Evidence from
93	Hubbard A	I-4	SPEECH DEPT - C ARTS & HUM	1,500.00	Men's Facial Hair as a Mate Signal: An Evolutionary Perspective.
94	Hunt T L	I-5	ANTHROPOLOGY DEPT - C OF SOC SCI	1,000.00	Late and Rapid Colonization of East Polynesia.
95	Hunter D	I-3	FIN ECON & INS DEPT - SHIDLER COLLEGE OF BUS	1,400.00	Endogenous Benchmarks.
96	Hwang H	I-3	TIM DEANS OFF - SCH OF TIM	1,666.57	Cultural influences on restaurant customers' perceived service quality.
97	Iding M	I-5	EDUC PSYCHOLOGY DEPT - C OF EDUC	1,250.00	Selecting Virtual Museum Exhibits to Support Classroom Teaching.
98	Iezzi J A	I-4	THEATRE & DANCE DEPT - C ARTS & HUM	1,680.00	When Tradition Meets Academic Institution and Body Battles Brain: Japanese
99	Ikehara C	I-3	INFO & COMP SCI DEPT - C OF NAT SCI	1,845.00	Detecting Intentional Errors Using the Pressures Applied to a Computer Mouse.
100	Im S	I-3	EDUC PSYCHOLOGY DEPT - C OF EDUC	1,500.00	A Comparison of U.S. and Korean Students' Mathematics Skills Using the Rule Space
101	Jacso P	I-5	INFO & COMP SCI DEPT - C OF NAT SCI	1,449.00	Open Access Alternatives for Scholarly Databases.
102	Jolly K	I-3	HISTORY DEPT - C ARTS & HUM	1,350.00	Excavating an Insular Manuscript's History: Durham A. IV. 19.
103	Jones R	I-3	GEOGRAPHY DEPT - C OF SOC SCI	1,500.00	Geopolitical Boundary Narratives and Border Fencing in India.
104	Juarez R	I-3	ECONOMICS DEPT - C OF SOC SCI	1,000.00	Robust Cost-Sharing Design.
105	Kaiser R I	I-5	CHEMISTRY DEPT - C OF NAT SCI	1,250.00	Crossed Beams Studies on the Formation of Aromatic Molecules in Extreme
106	Kanuha V K	I-4	SOCIOLOGY DEPT - C OF SOC SCI	1,500.00	Using Native Hawaiian Cultural Values and Practices to Address Intimate Partner
107	Kawabata W	I-3	ART & ART HISTORY DEPT - C ARTS & HUM	1,500.00	"Withdrawn from Circulation"
108	Keeley S C	I-5	BOTANY DEPT - C OF NAT SCI	2,000.00	The "evil tribe" in Brazil and northern South America: a preliminary phylogeny of the
109	Kim M-S	I-5	SPEECH DEPT - C ARTS & HUM	1,000.00	The Role of Cultural Orientations on Preferred Communication Styles with Humanoid
110	Kimura A	I-3	WOMENS STUDIES PROG - C OF SOC SCI	1,750.00	Masters, advisors, and consultants: food education and its gendered industry in Japan
111	Kipnis K	I-5	PHILOSOPHY DEPT - C ARTS & HUM	1,235.00	The Certified Clinical Ethics Consultant.
112	Klingebiel K	I-5	LANG&LIT EUROPE&AM - C OF L L L	1,500.00	(i) Stando, Sedendo: Formal and Semantic Expression of Permanence in the Poetry of
113	Kobayashi K D	R-4	TROP PLAN&SOIL SCI - C OF TA & HR	2,000.00	The MGM Grand Hotel Fire in Las Vegas: The Science and Politics of Disaster, 1980-
114	Kraft J	I-4	HISTORY DEPT - C ARTS & HUM	1,700.00	Portable Grow Beds with Roll-out Plastic Tanks.
115	Kratky B A	R-5	TROP PLAN&SOIL SCI - C OF TA & HR	1,145.00	Using the Property Tax to Appropriate Gains from Tourism.
116	Kwak S	I-3	ECONOMICS DEPT - C OF SOC SCI	1,000.00	Sex Ratios and the Marriage Contract in Early Twentieth-Century Hawaii.
117	La Croix S	I-5	ECONOMICS DEPT - C OF SOC SCI	1,000.00	"The Bladed Poem": Music, Culture, and Organizing in Struggles for Filipino National
118	Labrador R	I-3	ETHNIC STUDIES DEPT - C OF SOC SCI	1,000.00	"Empowerment, Collaborative, and Participatory Evaluation: Too Apologetic" and "
119	Lai M K	I-4	CRDG - C OF EDUCATION	1,438.00	"Chad Bauman on Christians and Conversions in Central India "; " Shamans, Spirits,
120	Lamb R	I-4	RELIGION DEPT - C ARTS & HUM	1,200.00	"Oreilles francaises et langue sauvage: Energie comme critere linguistique des
121	Lauzon M	I-3	HISTORY DEPT - C ARTS & HUM	1,700.00	" Stylistic and Chronological Relationships of Early Hindu Sculpture from the Mekong
122	Lavy P A	I-3	ART & ART HISTORY DEPT - C ARTS & HUM	1,462.00	Community-based Participatory Research Methods to Increase Retention in a Lifestyle
123	Leake A	I-3	NURSING DEPT - C OF HLTH SCI & S W		

Table 2 2009 - 2010 Professional Travel Awards Annual Report By Status

Group Count	PI Name	Rank	Department	Amount Awarded	Project Title
124	Lee C H	I-3	ART & ART HISTORY DEPT - C ARTS & HUM	2,000.00	Designing a New Oral Process.
125	Lee H E (Kate)	I-3	SPEECH DEPT - C ARTS & HUM	2,000.00	Why Koreans are More Likely to Favor "Apology." While Americans are More Likely
126	Lee S-H	I-4	ECONOMICS DEPT - C OF SOC SCI	1,500.00	Retirement, Pension Reform, and Lifecycle Pension Wealth: An International
127	Lim U	R-3	CANCER CT HI - RES & DEAN OF GRAD DIV	2,000.00	Occupational History and Risk of Non-Hodgkin Lymphoma: the Multiethnic Cohort.
128	Lin I-B	I-4	MUSIC DEPT - C ARTS & HUM	2,000.00	Featured Soloist with the National Taitung University Symphony Orchestra. Four
129	Lin M-F G	I-3	EDUC TECHNOLOGY - C OF EDUC	2,000.00	Characteristics of YouTube Use and Users: Implications for Education.
130	Lin S H	I-3	FAMILY&CONSUMER SCI - C OF TA & HR	1,563.00	Dressing an immobile person: A case study and video training.
131	Littman R J	I-5	LANG&LIT EUROPE&AM - C OF L L L	2,000.00	Moses: Myth and Archaeology.
132	Litton C M	I-3	NAT RES&ENVIRON MGMT - C OF TA & HR	1,864.00	Impacts of nonnative grass invasion and precipitation variability on carbon partitioning
133	Liu Q	I-3	FIN ECON & INS DEPT - SHIDLER COLLEGE OF BUS	1,800.00	The 52-Week High Momentum Strategy in International Markets.
134	Liu Y	I-3	INFO TECH. MGMT. DEPT - SHIDLER COLLEGE OF BUS	1,500.00	Improving Work Performance of Services Delivered Off-Shore: Ex Post Inspection or
135	Loong C-Y	I-3	MUSIC DEPT - C ARTS & HUM	1,196.90	Asian and Pacific Early Childhood and Elementary Music.
136	Lyons L E	I-4	ENGLISH DEPT - C OF L L L	1,350.00	"From: Colonial Origins to Decolonizing Practices: Questions of Land and Knowledge
137	Magnussen L	I-5	NURSING DEPT - C OF HLTH SCI & S W	1,000.00	Intimate Partner Violence: Perceptions, Awareness, Responses and Actions of Samoa
138	Man G	I-5	ENGLISH DEPT - C OF L L L	1,000.00	Inarritu and Arriaga's Multiple Melodramas: Genre and Narrative.
139	Manghanti M	R-5	HI INST OF GEOP-PLTY - SCH O&ES&T	1,000.00	Elasticity, Compression Behavior, and Vibrational Properties of Silicate Glasses Under
140	Matteson C K	I-3	HISTORY DEPT - C ARTS & HUM	1,400.00	"Duhamel du Monceau and the Foundations of Modern Conservation"
141	Maynard A E	I-4	PSYCHOLOGY DEPT - C OF SOC SCI	1,500.00	Culture, Development, and Children's Agency: Perspectives from Psychological
142	McEwan H	I-5	EDUC FOUNDATIONS - C OF EDUC	1,000.00	Narrative Reflection in the Philosophy of Teaching: Genealogy and Portraiture.
143	McQuiston K	I-3	MUSIC DEPT - C ARTS & HUM	1,335.00	"Sounding out Kubrick"
144	Meech K J	R-5	INST FOR AST - RES & DEAN OF GRAD DIV	2,000.00	Origin of Earth's Water.
145	Merlin M D	I-5	BOTANY DEPT - C OF NAT SCI	1,200.00	Modern Trends of Traditional Psychoactive Drug Plant Use in Micronesia.
146	Min H	S-3	CTR ON THE FAMILY - C OF TA & HR	1,575.00	"Rural Old in Health in Hawaii: Diabetes and Hypertension Taken Together" and
147	Ming L C	R-5	HI INST OF GEOP-PLTY - SCH O&ES&T	1,000.00	Synthesis of New Diamond-like B-C Phases under High Pressure and Temperatures.
148	Miura T	I-3	NAT RES&ENVIRON MGMT - C OF TA & HR	1,560.00	Cross-Calibration of AVHRR and MODIS NDVI Contemporaneous United States
149	Nakajima S	I-3	SOCIOLOGY DEPT - C OF SOC SCI	1,100.00	Film as Social Practice in Contemporary China.
150	Navarro O F	I-3	CHEMISTRY DEPT - C OF NAT SCI	1,135.00	Homogeneous, Oxygen-Free (N-Heterocycle Carbene) -Pd and -Ni Catalyzed Oxidation
151	Ng K	I-3	ACADEMY FOR CREATIVE MEDIA - CL A&S DEANS	1,500.00	(1) Revealing a New Cartography for Asian America: Film Festivals and Social Media
152	Nguyen T T T	S-3	CURRICULUM STUDIES - C OF EDUC	1,600.00	In an Internet World: Student Self-Perceived Success and Invitational Theory.
153	Njoroge N	I-3	HISTORY DEPT - C ARTS & HUM	1,295.00	Voices in the Whirlwind; Black Marxism and the Philosophy of Music.
154	Novomy R	I-5	HUM NUTR,FD&ANML SCI - C OF TA & HR	1,500.00	Lower birth weight, greater bi-iliac breadth and Asian ancestry are associated with
155	Oliveira K-A R K	I-3	SCH OF HAWAIIAN KNOWLEDGE - SCH OF HAWAIIAN KNOWLEDGE	1,000.00	The Entitlement of Place: Hawaiian Place Names.
156	O'Malley L D	I-5	THEATRE & DANCE DEPT - C ARTS & HUM	1,680.00	Offstage Lynchings, Onstage Passing: African-American Women Playwrights Risk
157	O'Neill T	I-3	CURRICULUM STUDIES - C OF EDUC	1,600.00	How Sense of Place Matters: Lessons Learned from the Implementation of an
158	Ooi P S K	I-4	CIVIL & ENVIRON ENGINRG DEPT - C OF ENGINRG	1,000.00	Resilient Modulus Characteristics of Varying Percent of Reclaimed Asphalt Pavement.
159	Osborne T	I-3	MUSIC DEPT - C ARTS & HUM	1,300.00	Performance of "Furioso: Vendetta for String Quintet" by the SYBARITE 5 Chamber
160	Park M-J	I-3	E A LANG & LIT DEPT - C OF L L L	1,000.00	Need Analysis and Material Development for Business Korean in America.
161	Park S Y	I-3	TIM DEANS OFF - SCH OF TIM	1,600.00	The Influence of Residents' Identification with a Tourism Destination Brand on Their
162	Park S-Y	S-3	CANCER CT HI - RES & DEAN OF GRAD DIV	1,750.00	Plasma 25-Hydroxyvitamin D and Prostate Cancer Risk in the Multiethnic Cohort
163	Pauka K	I-5	THEATRE & DANCE DEPT - C ARTS & HUM	2,000.00	Traditional Training for Randai Theatre in Indonesia and its Adaptation for
164	Perkinson R	I-4	AMER STUDIES DEPT - C ARTS & HUM	1,500.00	The Southern Origins of a Prison Nation.

Table 2 2009 - 2010 Professional Travel Awards Annual Report By Status

Group Count	PI Name	Rank	Department	Amount Awarded	Project Title
165	Perrett R	I-5	PHILOSOPHY DEPT - C ARTS & HUM	1,200.00	Can I Doubt That I Exist?
166	Petersen C J	I-4	INSTITUTE FOR PEACE - C OF SOC SCI	1,363.00	Dangers in a System that Purports to Protect: Sex Workers and Migrant Domestic Mentoring Teacher Candidates: A Path for Veteran Teacher's Professional
167	Ponte E	I-3	MASTER OF EDUC IN TEACHING - C OF EDUCATION	1,997.00	Hospital Logistics Function in a Developing Country: Vietnamese Hospitals.
168	Pourjalali H	I-5	SCH OF ACCOUNTANCY - SHIDLER COLLEGE OF BUS	1,000.00	Issues of Language and Translation of Los Espanoles on Chile.
169	Quintana B J	I-3	LANG&LIT EUROPE&AM - C OF L L L	1,500.00	Using Personal Ontologies as a Context Based User Modeling Tool for Bridging
170	Quiroga L M	I-3	INFO & COMP SCI DEPT - C OF NAT SCI	1,463.00	The Phosphoprotein PEA-15 Regulates ERK Localization and Function in T Cells.
171	Ramos J W	R-3	CANCER CT HI - RES & DEAN OF GRAD DIV	1,000.00	Cyberworlds: New Problems for Bullying.
172	Ratcliffe K T	I-3	EDUC PSYCHOLOGY DEPT - C OF EDUC	1,525.00	A portable graphical representation tool for phonocardiograms.
173	Reed N E	I-4	INFO & COMP SCI DEPT - C OF NAT SCI	1,554.00	"Review of Men's Body Image: What (little) We Know" and "The Scarecrow Project:
174	Reilly A	I-3	FAMILY&CONSUMER SCI - C OF TA & HR	1,250.00	"Race and Revenge Fantasies In Inglorious Basterds and District 9"
175	Rieder J	I-5	ENGLISH DEPT - C OF L L L	1,500.00	Development of Performance Based Tsunami Engineering, PBTE.
176	Robertson I N	I-5	CIVIL & ENVIRON ENGINRG DEPT - C OF ENGINRG	1,498.00	Emergence of Monumental Architecture in the Marquesas Islands (East Polynesia).
177	Rolett B V	I-5	ANTHROPOLOGY DEPT - C OF SOC SCI	1,500.00	The Global Implications of the Internet on Cultural Convergence.
178	Rosen D	I-3	SPEECH DEPT - C ARTS & HUM	1,000.00	Governing the Resource: Scarcity-Induced Institutional Change.
179	Roumasset J	I-5	ECONOMICS DEPT - C OF SOC SCI	1,000.00	Lavas from Active Boninie and Very Recent Basalt Eruptions at Two Submarine NE
180	Rubin K	I-5	GEOLOGY & GEOPHYSICS - SCH O&ES&T	2,000.00	The Impact of the State Children's Health Insurance Program (SCHIP) Expansion on
181	Russo G	I-4	ECONOMICS DEPT - C OF SOC SCI	1,000.00	"Teaching & learning How to Read Khmer: Issues and Challenges"
182	Sak-Humphry C	I-4	INDO PAC LANG DEPT - C OF L L L	1,582.00	Cultural Validity and Intercultural Training: The Intercultural Sensitizer.
183	Salzman M	I-5	EDUC PSYCHOLOGY DEPT - C OF EDUC	2,000.00	The Co-evolution of Luminous Starbursts and Massive Black Holes at High Redshift.
184	Sanders D B	R-5	INST FOR AST - RES & DEAN OF GRAD DIV	2,000.00	Present an exhibition and an artist talk of his work.
185	Sato M	I-5	ART & ART HISTORY DEPT - C ARTS & HUM	1,000.00	"Motion Affects Speakers' Message Construction" and "The Effect of Contrastive
186	Schafer A J	I-4	LINGUISTICS DEPT - C OF L L L	1,500.00	"Wh-constructions in child Korean" and "Dissociations between knowledge and
187	Schwartz B D	I-5	SECOND LANG STUDIES - C OF L L L	1,120.00	The Ideology of Monogamy within the Imperial Bureaucratic Class in the Roman
188	Schwartz S	I-3	HISTORY DEPT - C ARTS & HUM	2,000.00	Shock metamorphism, brecciation, and impact melting in meteorites.
189	Scott E R D	R-5	HI INST OF GEOP-PLTY - SCH O&ES&T	1,000.00	Single Cell Labeling in Capitella Teleta Reveals Embryological Origins of the Annelid
190	Seaver E C	R-4	PAC BIRS CT - RES & DEAN OF GRAD DIV	1,957.00	Racial/Ethnic Variation in the Relationship Between Adolescent Health Status and the
191	Sentell T	I-3	PUB HLTH SCI DEPT - C OF HLTH SCI & S W	1,582.00	Sequence diversity of badnaviruses and retrotransposons in pineapple in Hawaii.
192	Sether D	R-3	PLT&ENVIRON PROT SCI - C OF TA & HR	1,421.00	Necessity and Desire: Coca-Cola and Water.
193	Shankar S	I-5	ENGLISH DEPT - C OF L L L	1,000.00	Law, Culture and the Micropolitics of Crime.
194	Shapiro M J	I-5	POLITICAL SCI DEPT - C OF SOC SCI	1,000.00	Remote Raman Spectroscopy of Minerals at High Temperature and Under Super CO2
195	Sharma, S K.	R-5	HI INST OF GEOP-PLTY - SCH O&ES&T	1,250.00	Future Issues in Education: The Way Forward for Tourism and Hospitality.
196	Sheldon P J	I-5	TIM DEANS OFF - SCH OF TIM	1,500.00	Simple Inter-Generational Games and Climate Change.
197	Sherstyuk E	I-4	ECONOMICS DEPT - C OF SOC SCI	1,450.00	Marketing to Hawaii's Registered Dietitians by Using the Web to Meet Student
198	Shovic A C	I-4	HUM NUTR,FD&ANML SCI - C OF TA & HR	1,300.00	Sex and Desire in Joseph Poesop's Mo'olelo o Hiiaka-i-ka-poli-o-Pele.
199	Silva N K	I-4	POLITICAL SCI DEPT - C OF SOC SCI	531.70	A Conformal Mapping Problem with Applications to Composition Operators.
200	Smith W	I-5	MATHEMATICS DEPT - C OF NAT SCI	1,500.00	LEO-1: A University Satellite to Support Radar Calibration.
201	Sorensen T C	S-5	ENGINRG DEANS OFF - C OF ENGINRG	1,000.00	Speaking in Tongue: Reclaiming the Ilokano Heritage in the Classroom.
202	Soria J	I-2	INDO PAC LANG DEPT - C OF L L L	2,000.00	Civil Society and the UN System: participation in and resistance to international
203	Stephenson C M	I-4	POLITICAL SCI DEPT - C OF SOC SCI	1,759.00	Resistant Starch Content of Brown Rice Increases After Refrigeration In Selected
204	Stewart M	I-3	HUM NUTR,FD&ANML SCI - C OF TA & HR	1,300.00	"Quantification of Inflammatory and Toll-Like Receptor Gene Expression in Insulin
205	Stokes A M	S-4	HUM NUTR,FD&ANML SCI - C OF TA & HR		

Table 2 2009 - 2010 Professional Travel Awards Annual Report By Status

Group Count	PI Name	Rank	Department	Amount Awarded	Project Title
206	Stotzer R	I-3	SCH SOC WORK - C OF HLTH SCI & S W	1,000.00	Hate Crime Law an Effective Policy Choice: Analyzing the US Example.
207	Su V	R-2	CANCER CT HI - RES & DEAN OF GRAD DIV	2,000.00	CIP75 Regulates Ubiquitin - Independent Proteasomal Degradation of Cx43.
208	Sullivan K M	I-3	NURSING DEPT - C OF HLTH SCI & S W	1,530.00	Disclosure of HIV-Positive Serostatus to Sex Partners: A Hawaii-Based Sample.
209	Sung J S		HAMILTON LIBRARY - LIBRARY SERV	1,750.00	Myth Busting: Using Data to Challenge Assumptions.
210	Takanishi S M	I-2	INSTITUTE FOR TEACHER EDUCATION - C OF EDUC	800.00	Examining Multilevel Relationships Concerning Teacher Effectiveness, Student
211	Tamura E H	I-5	EDUC FOUNDATIONS - C OF EDUC	1,300.00	Value Messages: Catholic Schooling, World War I, and the Incarceration of Japanese
212	Thau E M	I-3	LANG&LIT EUROPE&AM - C OF L L L	1,300.00	"The Eyes of Ana"
213	Torralba J A	I-3	CURRICULUM STUDIES - C OF EDUC	1,997.00	What Can Empirical Images of Scientific Practice Tell us About the Design of Learning
214	Twomey S	I-3	CURRICULUM STUDIES - C OF EDUC	2,000.00	(Im)Possible Literacies: Integrating Digital Games Across Content Areas in Secondary
215	Van Dyke J M	I-5	LAW DEANS OFF - SCH OF LAW	1,500.00	Self-Determination & Autonomy-Commentary on Declaration on the Rights of
216	Van Zile J	I-5	THEATRE & DANCE DEPT - C ARTS & HUM	1,500.00	German Influence on Dance in Korea: Passing Fancy or Lasting Impact?
217	Vargo S L	I-5	MARKETING DEPT - SHIDLER COLLEGE OF BUS	1,000.00	The Service Eco-System: A Relevant System of Analysis for S-D Logic Research;
218	Vicic D A	I-4	CHEMISTRY DEPT - C OF NAT SCI	1,270.00	New Advances in Metal-Mediated Fluoroalkylation.
219	Waller R G	R-3	OCEANOGRAPHY - SCH O&ES&T	2,000.00	Cold Water Coral Distributions In the Drake Passage from Towed Camera
220	Wang (George) C H	I-3	ACADEMY FOR CREATIVE MEDIA - CL A&S DEANS	1,000.00	Troubled and Neglected: Who Killed Justin Bailey?
221	Wang G	I-4	OCEANOGRAPHY - SCH O&ES&T	1,500.00	Functional Ecology and Novel Diversity of Planktonic Fungi in the Oceans.
222	Wang K H	R-3	PLT&ENVIRON PROT SCI - C OF TA & HR	1,625.00	Can Nematode Community Indices Elucidate Plant Health Conditions?
223	Wang W	I-3	HISTORY DEPT - C ARTS & HUM	750.00	Piracy Crisis, Sino-Vietnamese Relationship, and British Expansion in the South China
224	Ward C	I-4	ENGLISH DEPT - C OF L L L	1,000.00	"Voodoo Pedagogy"
225	Wessendorf M	I-4	THEATRE & DANCE DEPT - C ARTS & HUM	1,000.00	Young Jean Lee's Deconstructions of a "Post-Racial" American Public in "Songs of the
226	White E J	I-3	ETHNIC STUDIES DEPT - C OF SOC SCI	2,000.00	The End of Nigerian Ireland: An Examination of High Profile Deportation Cases in
227	White G	I-5	ANTHROPOLOGY DEPT - C OF SOC SCI	1,000.00	"Imagining the Good War in Pearl Harbor's New Military Tourism Complex"
228	Wyatt T R	S-3	EDUC PSYCHOLOGY DEPT - C OF EDUC	1,000.00	Comparing Student Directed Activity Across Grade Levels.
229	Yamauchi L A	I-5	EDUC PSYCHOLOGY DEPT - C OF EDUC	1,000.00	Early Childhood Educators' Use of Strategies to Promote Complex Thinking Among
230	Yancura L A	I-4	FAMILY&CONSUMER SCI - C OF TA & HR	1,695.00	Risk Factors for Depression in Custodial Grandparents and Other Relative Caregivers
231	Yang J	I-4	HUM NUTR,FD&ANML SCI - C OF TA & HR	2,000.00	Expression of porcine myostatin prodomain genomic sequence leads to a decrease in
232	Yano C R	I-5	ANTHROPOLOGY DEPT - C OF SOC SCI	1,438.40	Leaping Kitty: Japanese Cute Goods as Transborder Fetish.
233	Yee T	I-4	MUSIC DEPT - C ARTS & HUM	1,700.00	Teaching and Performances in Universities/Conservatories in China.
234	Yoshioka J	S-3	MASTER OF EDUC IN TEACHING - C OF EDUCATION	1,000.00	The Relationship Between CREDE-Based Instruction and Student Autonomy in
235	Yue M-B	I-4	E A LANG & LIT DEPT - C OF L L L	1,000.00	"Multiculturalism in an International Frame: Post-Racial Discourse and the U.S. Furor
236	Zhao X	I-3	MARKETING DEPT - SHIDLER COLLEGE OF BUS	2,000.00	Medical Chic: The Consumption of Traditional Chinese Medicine In Urban China.

\$ 336,467.33

Table 3 Data For 2009 - 2010 Distribution of Facilitating Services Fund

Department	Basis	Allocation
Applied Research Laboratory	\$ 19,886.96	\$ 19,886
Cancer Research Center	3,939,275.34	1,969,638
Center for Disabilities Studies	1,018,680.61	509,340
Center for Island, Maritime, & Extreme Environment Security	130,160.28	65,080
Center for Microbial Oceanography: Research & Education	284,754.02	284,754
College of Arts & Humanities	8,875.03	4,438
College of Arts & Sciences	-	21,005
College of Business	29,134.63	14,567
College of Education	249,770.59	124,885
College of Engineering	983,725.58	491,863
College of Language, Linguistics & Literature	259,283.77	129,642
College of Natural Sciences	2,573,292.53	1,286,646
College of Social Sciences	965,173.56	482,587
College of Tropical Agriculture & Human Resources	1,285,244.42	642,622
Continued Education & Comm Svc & Outreach	2,062.13	1,031
Curriculum Research Development Group	345,416.85	172,708
Experimental Program to Stimulate Comprehensive Research	543,817.58	-
Graduate Division	400.00	-
Hawai'i Community College	104,182.50	78,136
Honolulu Community College	57,043.66	42,782
Information Technology Services	2,131,535.38	1,065,767
Institute For Astronomy	2,880,612.48	1,440,306.00
Kapiolani Community College	207,416.87	155,562
Kauai Community College	72,509.96	54,382
Leeward Community College	153,129.20	114,846
Library Services	16,011.32	8,006.00
Lyon Arboretum	879.69	440.00
Maui College	785,309.83	588,982
Office of Academic Affairs	42,010.37	-
Office of Chancellor	192,080.96	96,040.00
Office of Student Affairs	179,498.40	89,749.00
Office of Technology Transfer & Economic	33,719.80	16,860.00
Office of the VP for Community Colleges	181,525.72	136,131
Office of VP for Student Affairs	111.65	-
Pacific Biosciences Research Center	750,794.56	375,397.00
Pacific Disaster Center	1,046,272.69	533,136
School Ocean & Earth Science & Technology	11,287,175.28	5,785,965.00
School of Architecture	3,368.34	1,684.00
School of Hawaiian Knowledge	19,461.31	9,731.00
School of Law	232,771.10	116,386.00
School of Medicine	8,428,145.75	4,214,073.00
School of Nursing	423,466.64	211,733.00
School of Pacific & Asian Studies	76,016.98	38,008.00
School of Public Health Sciences	193,949.76	96,975.00
School of Social Work	384,657.14	192,329.00

Table 3 Data For 2009 - 2010 Distribution of Facilitating Services Fund

Department	Basis	Allocation
School of Travel Industry Management	767.89	384.00
Small Business Development Center	87,766.42	65,824
Trade Technology Vocational Education	8,414.05	6,310
UH Hilo	1,474,907.15	1,039,180
VP for Budget & Finance - Gear-Up Program	72,915.89	72,915
Waikiki Aquarium	2,121.90	1,061.00
Water Resouces Research Center	88,231.34	44,116.00
West Oahu	9,562.09	7,171
Windward Community College	154,945.90	116,209
	\$ 44,422,243.85	\$ 23,037,268.00

Table 4 2009 - 2010 Project Development Fund Awards

Awarded by Vice Chancellor for Research

<u>Item No.</u>	<u>Principal Investigator</u>	<u>Department</u>	<u>Title of Project</u>	<u>Award Amount</u>
1	Beilman, D	Arts & Sciences	Beilman - Start up Funds	30,000.00
2	Bingham, B	Engineering	Engr Start Up Bingham Brian FY 2010	26,945.00
3	Boland, Mary	Nursing	OVCERGE Supp-Research Infrastructur FY 2010	75,000.00
4	Boiland, Mary	Nursing	Translational Science Laboratory	78,412.58
5	Browne, C	Social Work	Center on Aging FY 2009 - FY 2010	14,248.48
6	Browne, C	VCRGE	FY 2010 - Center on Aging	85,751.52
7	Burnett, K	Social Sciences	UHERO Conference	5,700.00
8	Chesney-Lind, M	SSRI	Grad Assistant Hire	15,475.00
9	Chittarangjan, R	Engineering	Engr Research Ray Chittarangjan FY 2010	112,500.00
10	Cirspin, E	VCRGE	SSIP Space Survey Project	269,375.00
11	Crouch, Peter	Engineering	A/E Design Serv Contract Chee Inc	24,903.86
12	Crouch, Peter	Engineering	Engr Dean Post Doc Supp OVCERGE FY 2010	145,500.00
13	Dendle, William	VCRGE	FY 2010 -CHS	275,070.00
14	Duffy, D	Natural Science	IACUC Assistance	10,500.00
15	Dunlap, M	PBRC	FSF-Bridging	101,000.00
16	Dunlap, M	PBRC	FSF - BEMF	54,900.00
17	Fong, Yaa-Yin	OTTED	RTRF Support from OVCERGE	35,360.00
18	Garmire, D	Engineering	Engr Start Up Garmire David FY 2010	22,702.65
19	Garrod, Peter	Grad Division	Grad Division RTRF Account	6,000.00
20	Ghorbani, R	Engineering	Engr Start up Ghorbani Reza FY 2010	39,112.00
21	Giambelluca, T	Social Sciences	NEON Annual Membership	1,000.00
22	Goo, Maile	Student Affairs	NGSO 2009	4,500.00
23	Hedges, Jerris	JABSOM	Native Hawaiian Neuroscience	22,330.45
24	Hedges, Jerris	Medicine	RTRF - VP Grants Devt Admin Support	42,665.00
25	Hedges, Jerris	Medicine	BSB Vivarium Room Post Construction	53,401.86
26	Hemscheidt, T	Natural Science	Bilger Renovation	25,000.00
27	Hitz, Randy	Education	FY 2010 PESA Conference EF	2,250.00
28	Ishii, Dan	OTTED	KAUNANA	24,000.00
29	Jahren, Anne	SOEST	Distinguished Lecture Series	43,700.00
30	Jahren, Anne	SOEST	Jahren Research Support (OVCERGE)	100,600.00

Table 4 2009 - 2010 Project Development Fund Awards

Awarded by Vice Chancellor for Research

Item No.	<u>Principal Investigator</u>	<u>Department</u>	<u>Title of Project</u>	<u>Award Amount</u>
31	Kaiser, Ralf	Natural Science	Salary Support - Kaiser Project	72,291.60
32	Kaiser, Ralf	Natural Science	Keck Matching (2)	142,000.00
33	Kame'elehiwa, L	Sch of Hawn Knowledge	United Nations Conference Funding	1,750.00
34	Karl, D	SOEST	FY 2010 CMORE Cost Match	142,378.00
35	Kirk-Kuwaye, C	CAPS	GSO Travel Fund	20,000.00
36	Kondo, Sylvia	LAS	FY 2010 Manoa Per Diem Subsidy	45,000.00
37	Kondo, Sylvia	LAS	FY 2010 Budget Shortfall Support	23,303.00
38	Kudritzki, Rolf	IfA	FY 2010 Kudritzki Research Funds	150,000.00
39	Kuh, Anthony	Engineering	Renew Energy & Isl Sys Proj FY 2010	152,240.00
40	Kuh, Anthony	Engineering	REIS Project Johnson Philip	15,552.00
41	Kuh, Anthony	Engineering	REIS Project Ghorbani Reza	15,552.00
42	Kuh, Anthony	Engineering	REIS Project Garmire David	15,552.00
43	Kuh, Anthony	Engineering	REIS Project Kuh, Anthony	5,000.00
44	Kuh, Anthony	Engineering	REIS Project Miller, Eric	5,000.00
45	Kuh, Anthony	Engineering	REIS Project Ghasemi Nejhad	15,552.00
46	Kuh, Anthony	Engineering	REIS Project Konan, Denise	15,552.00
47	Kuh, Anthony	Engineering	REIS Project Teng Michelle	5,000.00
48	Kuh, Anthony	Engineering	REIS Project Zhou Xiangrong	5,000.00
49	Kumashiro, K	Natural Science	Bridging Funds - Kumashiro	20,000.00
50	Liang, Y	Engineering	Engr Start Up Liang Yingbin	23,064.31
51	Lu, Yuanan	Public Health	Viral Protect in Shrimp Cell Culture	60,000.00
52	Lu, Yuanan	Public Health	Autoclave Repair Fund	3,000.00
53	Mau, Marjorie	JABSOM	RTRE-CTR for Native & Pacific Health Research	80,000.00
56	McCubbin, H	Social Work	Infrastructure Supp for SW - Year 3	50,000.00
57	Meech, K	SOEST	NAI CAN 5 - Yr 2 Support	50,000.00
58	Miller, S	Engineering	Engr Start Up Miller Scott	23,612.00
59	Mouginis Mark, P	SOEST	HIG VCO Matching Funds	10,000.00
60	Ohta, Aaron	Engineering	Engr Start up Ohta Aaron FY 2010	113,100.00
61	Ostrander, Gary	EHSO	FY 2010 -EHSO	1,495,720.72
62	Ostrander, Gary	VCRGE	CMORE Bond Fund Operating Acct	1,104,465.95

Table 4 2009 - 2010 Project Development Fund Awards

Awarded by Vice Chancellor for Research

Item No.	<u>Principal Investigator</u>	<u>Department</u>	<u>Title of Project</u>	<u>Award Amount</u>
63	Ostrander, Gary	VCRGE	FY 2010 Aquaculture Program	240,000.00
64	Ostrander, Gary	VCRGE	Manoa-RTRF For Accts Rec Writeoff	99,505.00
65	Perkins, Frank	VCRGE	FY 2010 - Compliance RTRF Admin	274,081.28
66	Presting, Gernot	CTAHR	Genomics/Bioinformatics Support	150,000.00
67	Rehg, Kenneth	LLL	Language Doc Ctr	5,600.00
68	Robinow, S	Natural Science	Bridging Funds- Robinow	12,419.99
69	Rossiter, Andrew	Waikiki Aquarium	Admin Assistant (2)	8,685.00
70	Santhanam, N	Engineering	Engr Start Up Santhanam Narayana 10	35,209.00
71	Seymour, C	JABSOM	RTRF - VC Mercury Funding	60,000.00
72	Smith, C	Natural Science	St. John Renovation	20,000.00
73	Soifer, Aviam	Law	RTRF Dean Support	8,000.00
74	Stanley, Steve	SOEST	Stanley Research Support	95,000.00
75	Symos1, Vassilis	VCRGE	CMORE Project	7,200,382.00
76	Symos, V	VCRGE	Biomed Renovations	125,000.00
77	Symos, V	VCRGE	Architectural - KECK	234,897.00
78	Symos1, V	VCRGE	APIX	50,000.00
79	Symos1, V	VCRGE	OS-HPCC	200,000.00
80	Takekawa, Roy	FGS-FAC	FY 2010 Diving Safety Program	3,524.46
81	Takekawa, Roy	VCRGE	FY 2010 Diving Safety Program	61,475.54
82	Taylor, Brian	SOEST	VCR Supplements & Support	182,586.45
83	Tokunaga, Alan	IFA	IRTF High-Resolution Spec Cost SHR	66,250.00
84	Ward, S	JABSOM	IBR Autoclave Maintenance	5,821.68
85	Wessendorf, M	A&H	Brecht Symposium II	20,050.00
86	Wilcox, Bruce	PBRC	FY 2010 RTRF IGERT MATCHING	120,000.00
87	Yan, T	Engineering	Engr Start Up Yan Tao	8,674.92
88	Zhou, X	Engineering	Engr Start Up Zhou Xiangrong FY 2010	34,900.00
	Total			14,949,651.30

TABLE 5 2009 - 2010 Research Relations Fund Awards

Item No.	Principle Investigator	Rank	Department	Title	Amount Awarded
1	Ai J	I-3	FIN ECON & INS DEPT - SHIDLER COLLEGE OF BUS	On the Development of a Set of New Methods for Active Fraud Detection.	\$ 5,000.00
2	Ascunce A	I-3	LANG&LIT EUROPE&AM - C OF L L L	Avant-Garde Bilbao and the Rebirth of Basque Culture. Beginning & Intermediate Hindi Textbook & Workbook with Audio-Visual Instructional Material Chapters- House & Household' and 'Cuisine and Cooking'	3,300.00
3	Bhatawadekar S	I-3	INDO PAC LANG DEPT - C OF L L L	Mind the Gap: Unmapped Holdings and the Performance of U.S. Equity Mutual Funds.	3,000.00
4	Hunter D	I-3	FIN ECON & INS DEPT - SHIDLER COLLEGE OF BUS	Trends in Mathematics Knowledge and Skills of U.S. Eighth Graders in TIMSS 1999 to 2007: A Cognitive Diagnostic Testing Approach.	5,000.00
5	Im S	I-3	EDUC PSYCHOLOGY DEPT - C OF EDUC	Disentangle the Complex Relationships Between Multi-Ethnicity and Health Disparities: A Pilot Study Using Quantitative Survey and In-Depth Interviews in Hawaii.	4,000.00
6	Zhang W	I-3	SOCIOLOGY DEPT - C OF SOC SCI	Conspicuous Consumption and Luxury Brands in Contemporary China.	3,400.00
7	Zhao X	I-3	MARKETING DEPT - SHIDLER COLLEGE OF BUS	Intercultural Collaboration in a Game-Based 3D Virtual Learning Environment.	3,000.00
8	Zheng D	I-3	SECOND LANG STUDIES - C OF L L L		5,000.00
Total					\$ 31,700.00

Table 6 2009 - 2010 Undergraduate Summer Research Awards

1.	Neil Abranyi	NREM	\$ 3,000.00	Environmental Impacts of Deep Sea Water Air Conditioning.
2.	Diane Chen	Microbiology	\$ 2,900.00	East Meets West: Detecting Herbal Synergy in Traditional Chinese Medicines through DNA Microarray Analysis.
3.	Hannah Cooper	Geography	\$ 3,000.00	Assessment of sea level rise using lidar data.
4.	Ngoc Anh Dao	Biology	\$ 3,000.00	The Function of a Phosphorylated Tyrosine Residue in Phosphoprotein Enriched in Astrocytes 15 kiloDaltons (PEA-15)
5.	Kristen Domingcil	Family & Consumer Science	\$ 3,000.00	Natural Dyes from Invasive Species for Hawaii's Sustainable Environment.
6.	Jin Woo Kim	Biology	\$ 2,725.00	Genetic Variation in an Invasive Species: Strawberry Guava.
7.	Kelson Lau	Electrical Engineering	\$ 3,000.00	Design and Prototyping of a Mini Hexapod Robot.
8.	Kimberley Mayfield	Global Environmental Sciences	\$ 3,000.00	The effect of naturally occurring sandbars at stream mouth on the turbidity, nutrient and chlorophyll levels in the resulting impounded Estuary.
9.	Karyne McCray	Psychology	\$ 2,618.00	The Military Family System: Impact of Deployment on Mother-Child Attachment Security.

Table 6 2009 - 2010 Undergraduate Summer Research Awards

10.	Guteriano N. S. Neves	Political Science	\$ 2,000.00	Assessing Timor-Leste's Petroleum Revenue Management.
11.	Kathy Nii	History	\$ 2,867.00	The Bangladesh Mukti Sangrami Shilpi Sangetha and the Liberation War of 1971. (Artist Troupe for the Freedom f Bangladesh).
12.	Whitney Reyes	Botany	\$ 3,000.00	Genetic Differentiation of Four Plant Species from Kipuka Populations on the Island of Hawaii.
			<u>\$34,110.00</u> = Total (12)	
			2,618.00 – Karyne McCray declined award on 6/24/10	
			<u>\$31,492.00</u> = Total (11)	

Table 6-A 2009 - 2010 Summer Excellence in Research Awards

Item No.	Principal Investigator	Department	Awarded Amount
1	Akatsuka, Neal	ANTHROPOLOGY	\$ 250.00
2	Chock, Megan	BIOLOGY & ECONOMICS	250.00
3	Gilman, Christy Ann	CELL & MOLECULAR BIOLOGY	250.00
4	Hamilton, Christopher	GEOLOGY & GEOPHYSICS	250.00
5	Higa, Kelly	MICROBIOLOGY	250.00
6	Kumar, Mukesh	TROP MED, MEDICAL MICRO & PHARM	250.00
7	Marlow, Heather	KEWALO MARINE LAB, PBRC	250.00
8	Miyagi, Shogo	TROP MED, MEDICAL MICRO & PHARM	250.00
9	Nigro, Olivia	OCEANOGRAPHY	250.00
10	Zahid, Harus	INSTITUTE FOR ASTRONOMY	250.00
Total			\$ 2,500.00

Table 7 2009 - 2010 Vice President for Research Awards

<u>Awarded by VP for Research</u>				<u>Award Amount</u>
<u>Item No.</u>	<u>Principal Investigator</u>	<u>Department</u>	<u>Purpose</u>	
1	Awakuni, G.	West Oahu	FY 2010 RTRF - Faculty Travel Fund	27,000.00
2	Bidigare, R.	SOEST	CMMED R-Fund Account (Salaries II)	212,812.87
3	Bio, C.	Maui CC	Second Century Scholarships	128,205.00
4	Bradley, J.	Kapiolani CC	Second Century Scholarships	73,920.00
5	Brown, D.	UH Hilo	RTRF RIMI for Dyanne Affonso	31,650.00
6	Chain, W.	Natural Sciences	Start-Up Fund for Chain	99,988.62
7	Chigawa, S.	Windward CC	Second Century Scholarships	95,545.00
8	Fitzsimons, D.	UH Hilo	RTRF Thirty Meter Telescope (TMT) Legal Expenses	167,000.00
9	Fitzsimons, D.	UH Hilo	FY 2010 RTRF Administrative Support	37,000.00
10	Fong, Y.	ORS	RTRF CRIS Software Acquisition	170,000.00
11	Gaines, J.	VP for Research	Manua Kea Comprehensive Management	400,000.00
12	Gaines, J.	ARL	FY 2011 Operating Account	165,130.00
13	Gaines, J.	VP for Research	A/R Write-Off (Systemwide)	107,942.57
14	Gaines, J.	ARL	RTRF Start-Up Fund for ARL AT UH	234,870.00
15	Gaines I, J.	VP for Research	RTRF Support for COE (Telephone Charges)	5,000.00
16	Greenwood, M.	System Fiscal Office	Innovation & Technology Council	12,000.00
17	Hedges, J.	Medicine	RTRF - VP JABSOM Graduate Student's Stipend	108,000.00
18	Hunter, L.	IFA	FY 2010 Akamai Workforce Initiative	160,000.00
19	Kim, K.	SRRRI	Start-Up Travel Funding for NDP Training Center	7,000.00
20	King, I.	College of Education	The 53rd Hawaii Science & Engineering Fair	20,000.00
21	Konan, D.	SSRI	RTRF Uhero (Konan)	50,000.00
22	Kuba, J.	VC Adademic Affairs, Enrollment Mgt	Second Century Scholarships	664,620.00
23	Lassner, D.	ITS	ITS InfoEd ERA Project	189,700.00
24	Lendio, D.	SVP For Legal Affairs	RTRF Funds for Mauna Kea Legal Fees	500,000.00
25	Longao, H.	UH West Oahu	Second Century Scholarships	56,750.00
26	Lum-Akana, A.	Leeward CC	Second Century Scholarships	139,305.00
27	Lundberg-Sprague, S.	Hawaii CC	Second Century Scholarships	157,245.00
28	Miyamoto, C.	SEED	Commission on Lesbain, Gay, Bisexual, Transgender & Intersex	10,000.00
29	Morton I, J.	CC Admin	Pacific Bussiness Center Prog (PBCP) Match	50,000.00
30	Nagata, S.	UH Hilo	Mauna Kea Comprehensive Management Plan	816,182.00

Table 7 2009 - 2010 Vice President for Research Awards

<u>Awarded by VP for Research</u>			
<u>Item No.</u>	<u>Principal Investigator</u>	<u>Department</u>	<u>Purpose</u>
1	Awakuni, G.	West Oahu	FY 2010 RTRF - Faculty Travel Fund
31	Ostrander, G	VCRGE	Systemwide -RTRF for A/R Writeoff
32	Oyama, J.	Honolulu CC	Second Century Scholarships
33	Quemuel, C.	SEED	Commission on the Status of Women
34	Robinow, S.	Natural Sciencess	Robinow - Bridging
35	Rota, M.	CC Admin	FY 2010 RTRF - Honolulu Minority Bus Enterprise
36	Sanchez, E.	Kauai CC	Second Century Scholarships
37	Scofield, J.	UH Hilo	Second Century Scholarships
38	Teramura, A.	Natural Sciencess	Natural Sciences Holding
39	Vahsen, S.	Natural Sciencess	Vahsen - Equipment (VPR)
Total Allocated			\$ 5,590,525.06

RESEARCH

RESEARCH

**Table 8 Research Grants And Contracts Awarded
Five-Year Comparative By Month**

MONTH	2005-06		2006-07		2007-08		2008-09		2009-10	
	NUM	FISCAL YEAR DOLLARS	NUM	FISCAL YEAR DOLLARS	NUM	FISCAL YEAR DOLLARS	NUM	FISCAL YEAR DOLLARS	NUM	FISCAL YEAR DOLLARS
JUL	102	\$20,111,064	86	\$10,773,310	88	\$16,768,053	118	\$18,924,981	103	\$21,966,360
AUG	109	\$22,272,859	142	\$28,294,962	143	\$26,590,457	121	\$30,947,612	157	\$37,042,804
SEP	161	\$42,917,114	188	\$52,158,636	159	\$43,469,972	131	\$33,555,448	165	\$45,714,565
OCT	63	\$8,928,364	73	\$10,842,417	62	\$8,966,580	86	\$23,721,921	84	\$25,728,727
NOV	92	\$16,602,301	42	\$5,242,410	65	\$6,802,418	94	\$17,740,492	67	\$10,159,475
DEC	50	\$8,265,939	53	\$18,033,950	49	\$6,116,172	97	\$34,567,053	57	\$20,275,135
JAN	48	\$5,507,406	46	\$15,893,131	78	\$11,977,778	53	\$8,382,766	109	\$19,862,022
FEB	50	\$14,455,851	61	\$6,542,032	62	\$9,395,197	57	\$11,550,448	72	\$12,010,707
MAR	57	\$10,238,149	89	\$12,929,258	82	\$28,091,151	90	\$10,720,784	75	\$16,626,202
APR	66	\$11,018,842	68	\$7,405,768	70	\$14,279,618	97	\$16,016,001	86	\$14,002,021
MAY	79	\$34,844,516	73	\$15,903,685	72	\$10,548,053	83	\$11,513,477	95	\$18,416,721
JUN	141	\$37,010,962	93	\$17,401,639	69	\$14,471,766	119	\$28,766,877	91	\$13,929,320
	1,018	\$232,173,367	1,014	\$201,421,198	999	\$197,477,215	1,146	\$246,407,860	1,161	\$255,734,059

NON - RESEARCH

NON-RESEARCH

**Table 9 Non-Research And Special Projects Grants And Contracts Awarded
Five-Year Comparative By Month**

MONTH	2005-06		2006-07		2007-08		2008-09		2009-10	
	NUM	FISCAL YEAR DOLLARS	NUM	FISCAL YEAR DOLLARS	NUM	FISCAL YEAR DOLLARS	NUM	FISCAL YEAR DOLLARS	NUM	FISCAL YEAR DOLLARS
JUL	78	\$18,777,069	38	\$8,329,873	63	\$17,692,070	99	\$27,280,066	92	\$24,481,760
AUG	74	\$18,422,545	107	\$25,691,810	79	\$18,851,555	69	\$15,186,689	99	\$27,854,877
SEP	85	\$44,205,627	68	\$7,986,042	76	\$18,942,982	103	\$19,272,621	93	\$29,080,794
OCT	56	\$18,750,446	52	\$18,084,858	45	\$15,115,007	79	\$14,047,335	63	\$14,507,298
NOV	44	\$6,596,745	48	\$5,101,611	46	\$8,930,207	54	\$11,216,783	43	\$8,411,063
DEC	27	\$3,316,449	40	\$4,516,465	37	\$8,637,548	47	\$5,959,438	42	\$5,562,916
JAN	32	\$3,079,823	34	\$4,105,720	43	\$5,325,252	61	\$7,902,567	41	\$4,118,987
FEB	23	\$3,126,135	36	\$3,342,774	33	\$3,345,470	49	\$3,720,585	42	\$4,772,301
MAR	31	\$4,080,159	31	\$2,187,840	33	\$5,272,954	53	\$9,077,606	36	\$3,738,818
APR	42	\$11,240,743	34	\$16,006,963	27	\$13,790,464	62	\$8,936,350	59	\$5,712,314
MAY	44	\$18,386,443	53	\$13,902,048	56	\$7,519,244	71	\$20,448,762	65	\$31,289,717
JUN	125	\$33,285,769	110	\$22,619,352	73	\$23,262,604	97	\$24,388,224	108	\$37,143,765
	661	\$183,267,953	651	\$131,875,356	611	\$146,685,357	844	\$167,437,026	783	\$196,674,610

SUMMARY

SUMMARY

**Table 10 Research And Non-Research Grants And Contracts Awarded
Five-Year Comparative By Month**

MONTH	2005-06		2006-07		2007-08		2008-09		2009-10	
	FISCAL YEAR NUM	DOLLARS	FISCAL YEAR NUM	DOLLARS	FISCAL YEAR NUM	DOLLARS	FISCAL YEAR NUM	DOLLARS	FISCAL YEAR NUM	DOLLARS
JUL	180	\$38,888,133	124	19,103,183	151	34,460,123	217	46,205,047	195	\$46,448,120
AUG	183	\$40,695,404	249	53,986,772	222	45,442,012	190	46,134,301	256	\$64,897,681
SEP	246	\$87,122,741	256	60,144,678	235	62,412,954	234	52,828,069	258	\$74,795,359
OCT	119	\$27,678,810	125	28,927,275	107	24,081,587	165	37,769,256	147	\$40,236,025
NOV	136	\$23,199,046	90	10,344,021	111	15,732,625	148	28,957,275	110	\$18,570,538
DEC	77	\$11,582,388	93	22,550,415	86	14,753,720	144	40,526,491	99	\$25,838,051
JAN	80	\$8,587,229	80	19,998,851	121	17,303,030	114	16,285,333	150	\$23,981,009
FEB	73	\$17,581,986	97	9,884,806	95	12,740,667	106	15,271,033	114	\$16,783,008
MAR	88	\$14,318,308	120	15,117,098	115	33,364,105	143	19,798,390	111	\$20,365,020
APR	108	\$22,259,585	102	23,412,731	97	28,070,082	159	24,952,351	145	\$19,714,335
MAY	123	\$53,230,959	126	29,805,733	128	18,067,297	154	31,962,239	160	\$49,706,438
JUN	266	\$70,296,731	203	40,020,991	142	37,734,370	216	53,155,101	199	\$51,073,085
	1679	\$415,441,320	1665	333,296,554	1610	344,162,572	1990	413,844,886	1944	\$452,408,669