

**ANNUAL REPORT ON THE  
RESEARCH AND TRAINING REVOLVING FUND  
2002/2003**

**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 2002-2003 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 Interim Vice President for Research, Chancellor of UH Mānoa, Interim Vice Chancellor for Research and Graduate Education, 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 304-8.1, \$25,786,511 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 \$385,000 was allocated to the fund by the Mānoa Chancellor and distributed as follows:

1. Seed Money Program. \$0

Table 1. (Not applicable FY 2003)

2. Professional Travel. \$380,000.

The Council reviewed 287 travel requests totaling \$490,074.68. It made 232 awards totaling \$352,203.28 or 72% of the amounts requested. Table 2 lists the Professional Travel recipients.

**Allocation for 2003-2004: \$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 \$12,073,705 was allocated to the fund. Table 3 lists the distribution by unit.

**Allocation for 2003-2004: \$16,192,923.**

**C. Project Development Fund**

The Project Development Fund is used to support the research enterprise infrastructure, 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**

A total of \$9,151,934 was allocated to the fund and distributed as follows:

The following amounts were designated for research infrastructure, \$4,009,700: \$1,900,000 for the RCUH management fee, \$780,000 for the Internet connection (T-3 line), \$269,436 for a Washington D.C. consultant, \$133,333 for the A-133 audit, \$381,000 for system wide research support, \$277,931 for animal and human subjects compliance, and \$268,000 for Maui Super Computer management fees.

\$5,152,264 in funds were allocated to the Mānoa Chancellor to facilitate research and training in new or developing fields. The Interim Chancellor made 33 awards totaling \$4,492,195.35 The Interim Vice Chancellor made 51 awards totaling \$2,021,066.83. Table 4 lists the Project Development Fund recipients.

**Allocation for 2003-2004: \$12,965,464.**

**D. Fund Administration**

Fund Administration is used to supplement research administration support and to support research and scholarly endeavors in disciplines where extramural support is particularly difficult to obtain.

**Allocation**

Research Relations Fund. \$40,000 allocated to the fund for the Mānoa Chancellor.

The Council approved funding for 10 projects totaling \$36,579.00 Table 5 lists the Research Relations Fund recipients.

Special Projects Fund. \$0.

**Table 6. (Not applicable FY 2003)**

The Council approved funding for 12 projects totaling \$53,662.86. Table 6 lists the Special Projects Fund recipients.

**Allocation for 2003-2004: To be determined.**

**E. Administration Allocation \$4,125,842**

A total of \$4,125,842 was allocated to the Vice President of Administration and held until the Interim Vice President for Research was appointed.

Funds were allocated for the following: Housing Assistance Revolving Fund \$1,272,284, Office of Technology Transfer & Economic Development \$425,000, and University Connections \$200,000.

The Interim Vice President for Research awarded \$30,000 in support of programs summarized in Table 7.

**Allocation for 2003-2004: \$4,957,531.**

## **E. Summary of Allocations, Expenditures & Commitments**

Category	Allocation	Carry-Forwards	Total Available	Expenditures FY 2002-2003	Committed to be Spent	Available Balance
Seed Money	-	108,981	108,981	87,538	21,443	-
Professional Travel	385,000	256,185	641,185	351,385	289,800	-
Facilitating Services	12,073,705	7,609,952	19,683,657	9,112,699	10,570,958	-
Project Development Fund						
Research infrastructure	4,009,700	966,913	4,976,613	4,075,928	900,685	-
Project development	5,152,264	4,775,814	9,928,078	6,440,572	3,487,506	-
Equipment Matching	-	290	290	-	290	-
Research Relations Fund	40,000	128,860	168,860	73,105	95,755	-
Special Projects Fund	-	10,254	10,254	3,802	6,452	-
Administrative Allocation	4,125,842	1,483,348	5,609,190	2,470,034	3,139,156	-
<b>Total</b>	<b>25,786,511</b>	<b>15,340,597</b>	<b>41,127,108</b>	<b>22,615,063</b>	<b>18,512,045</b>	<b>-</b>

**Note:** The summary differs from prior years because it combines both FY 2002 and FY 2003 allocations. Several months prior to the consideration of an executive policy on RTRF, the Mānoa Chancellor, who controlled the fund at the time, instituted a policy to permit units to setup one account for all of their RTRF allocations. Since the adoption of an executive policy on RTRF, the University has reverted back to the policy for separate accounting of fiscal year allocations of RTRF.

## **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.

Since the last annual report on seed money, 9 faculty members who had received support from the Revolving Fund have received awards from extramural sources totaling \$1,507,760.

### **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 Hawai‘i, 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, 51 received extramural funding for research/training projects totaling \$22,978,349.

## **III. TOTAL EXTRAMURAL SUPPORT FOR RESEARCH/TRAINING, 2002-2003**

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 2002-2003, 948 research awards worth \$187,581,925 and 630 training awards worth \$114,550,189 were received. In addition, the Hilo Campus separately reported receipt of 28 research awards totaling \$3,321,553 and 69 training awards totaling \$19,369,674.

**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,



James R. Gaines  
Interim Vice President for Research

Attachments

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**Table 1. 2002-2003 SEED MONEY AWARDS**  
**(Not Applicable FY 2003)**

TABLE 2. 2002 - 2003 Faculty Travel To Professional Conferences

<b>Principal Investigator</b>	<b>Rank</b>	<b>Department</b>	<b>Amount Awarded</b>	<b>Paper Presented</b>
1 Ah Sam A L F	S-3	STU ACTIVITS - STUDENT SERV U	\$1,400.00	Participatory Program Evaluation in Higher Education: A Case Study in Disability Studies.
2 Aranda L	I-3	LANG&LIT EUROPE&AM - C OF L L	\$2,000.00	Translating America: a question of Space over matter.
3 Ardolino F	I-5	ENGLISH DEPT - C OF L L L	\$1,400.00	Thomas Dekker's Use of Kyd's The Spanish Tragedy in Satiro-mastix.
4 Au W W L	R-5	HAW INST OF MAR BIO - RES & DE	\$2,000.00	The Sonar of Dolphins.
5 Aune K S	I-4	SPEECH DEPT - C ARTS & HUM	\$1,360.00	An Exploratory Investigation of Motivations for Cohabitation: Do the Reasons Affect Outcomes. Passionate and Companionate Love: A Comparision Between Daters, Cohabitors, and Marrieds.
6 Babcock R	I-4	CIVIL ENGINRG DEPT - C OF ENGI	\$1,500.00	Fate of pharmaceuticals in soil following irrigation with recycled water.
7 Bacchilega C	I-5	ENGLISH DEPT - C OF L L L	\$1,445.00	Out of Place Stories and the Legendary Imaging of Hawaii'
8 Baker D J	I-5	ENGLISH DEPT - C OF L L L	\$1,100.00	"Thomas Coryate, Post-colonial Traveller"
9 Baldoz R	I-3	SOCIOLOGY DEPT - C OF SOC SCI	\$1,500.00	Valorizing Racial Boundaries: Hegemony and Conflict in the Racialization of Migrant Labor.
10 Bartlett A	I-4	TEACH ED & CURR STU - C OF ED	\$1,200.00	Non-technology Savvy Preservice Teachers' Perceptions of Electronic Portfolio.
11 Baruffi G	I-5	PUB HLTH SCI DEPT - C OF HLTH S	\$857.21	Prevalence of Overweight Among Children of Various Ethnic Background in Hawaii.
12 Berg J T	R-4	PHARMACOLOGY DEPT - C OF HL T	\$1,200.00	Inhibition of Hypoxic Pulmonary Vasocstriction (HPV) Reduces High Altitude Pulmonary Edema (HAPE) in Rats.
13 Bergen B K	I-3	LINGUISTICS DEPT - C OF L L L	\$1,500.00	(1) The cognitive linguistics of scalar humor and (2) To awaken a sleeping giant: blending and metaphor in editorial cartoons after September 11.

TABLE 2. 2002 - 2003 Faculty Travel To Professional Conferences

<b>Principal Investigator</b>	<b>Rank</b>	<b>Department</b>	<b>Amount Awarded</b>	<b>Paper Presented</b>
14 Bhawuk D P S	I-4	MGMT & IR DEPT - C OF BUS ADM	\$1,500.00	A Synthesis of Social Expectancy Theory, Action Theory, and Learning Theories in Cross-Cultural Training: Toward a Theory of Disconfirmed Expectations.
15 Black R	I-4	SPECIAL EDUC DEPT - C OF EDUC	\$1,400.00	A Curricula of Isolation: Dangerous Monsters and Eternal Children -- Images of Interpersonal Relationships of Individuals with Cognitive Disabilities in Popular Films.
16 Blanchard R J	I-5	PSYCHOLOGY DEPT - C OF SOC S	\$1,000.00	The Rat Exposure Model: A Novel Model of Risk Assessment, Avoidance and Freezing for Mice.
17 Blanchard D C	R-5	PAC BI RS CT - RES & DEAN OF GR	\$2,000.00	Coping with threat: Risk Assessment and Defensive Behavior.
18 Bomberger E D	I-5	MUSIC DEPT - C ARTS & HUM	\$1,085.00	"Oppress No One! Make No Martyrs!" : Marx and Raff on Composition Training for Women.
19 Brandes H	I-4	CIVIL ENGINRG DEPT - C OF ENGI	\$2,000.00	Effect of volcanic fines and gradation on the deformation and strength properties of detrital marine sediments in Hawaii.
20 Brown A C	I-3	HUM NUTR,FD&ANML SCI - C OF T	\$1,100.00	The effects of a nutritional supplement containing tricarboxylic acid intermediates on cycling performance and recovery.
21 Bush A	I-4	ART DEPT - C ARTS & HUM	\$2,000.00	Reviewing Rome: Guides to the Real and the Imaginary.
22 Chai S-K	I-3	SOCIOLOGY DEPT - C OF SOC SCI	\$1,600.00	1. The Many Flavors Of Rational Choice And The Fate Of Sociology 2. Culture, Rationality and Economic Institutions in East Asia: The case of the Chinese Family Firm.
23 Chakrabarti A	I-5	PHILOSOPHY DEPT - C ARTS & HU	\$1,474.51	"Aesthetics of Disgust" , "Three Lectures on Indian and Comparative Epistemology & Logic" & "Can Truth be Defined" .
24 Chandler P M	I-4	LANG&LIT EUROPE&AM - C OF L L	\$2,000.00	Immersion Workshops for High School Spanish Teachers: Getting the Standards to Isolated Areas.

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<b>Principal Investigator</b>	<b>Rank</b>	<b>Department</b>	<b>Amount Awarded</b>	<b>Paper Presented</b>
25 Chang F H K	S-4	PAC BI RS CT - RES & DEAN OF GR	\$1,390.00	Holistic practices of Hawaiian health practitioners.
26 Chappell D A	I-4	HISTORY DEPT - C ARTS & HUM	\$1,610.00	"The Black and the Red: Radicalizing Nationalism in 1970s New Caledonia"
27 Charusheela S	I-3	WOMENS STUDIES PROG - C OF S	\$2,000.00	A through-Time Framework for Producer Households.
28 Chaudron C	I-5	SECOND LANG STUDIES - C OF LL	\$2,000.00	Validity and methodology in learning strategy research.
29 Cheang M	I-3	CENTER ON AGING - ACADEMIC A	\$1,400.00	Training needs of paraprofessionals in Aging.
30 Cheng C	I-5	PHILOSOPHY DEPT - C ARTS & HU	\$1,250.00	"Onto-Hermeneutical Lessons from Understanding Zhu Xi's Philosophy and its Issues"
31 Cheng E	I-5	CIVIL ENGINRG DEPT - C OF ENGI	\$2,000.00	Numerical Method of Simulating Nonlinear Unsteady Surface Flow.
32 Chesney-Lind M	I-5	WOMENS STUDIES PROG - C OF S	\$1,500.00	"Gender and Juvenile Justice", "Imprisoning Women", "From the Mainstream to the Margins and Back"
33 Cheung L W-K	I-3	CANCER CT HI - RES & DEAN OF G	\$2,000.00	Hidden Multivariate Markov Models for Pattern Recognition in Genomic DNA Sequences.
34 Chinn PWU	I-4	TA&HR DEANS OFF - C OF TA & HR	\$1,400.00	(1) Roles of Cross-Cultural Immersion Experiences & Cultural Translators in Developing Culturally Literate K-12 Teachers (2) A Hawaiian Sense of Place (3) A Problem Based Science Culture Curriculum for Hawaii's Schools.
35 Chorpita B F	I-4	PSYCHOLOGY DEPT - C OF SOC S	\$1,200.00	Efficacy of Modular Cognitive Behavior Therapy for Childhood Anxiety Disorders
36 Cohan C	I-4	ART DEPT - C ARTS & HUM	\$1,205.00	From The Universe City: Printmaking and Education in the Age of Electronic Imaging.
37 Cohn J R	I-4	E A LANG & LIT DEPT - C OF LLL	\$2,000.00	Farce, Chaos, and Transcendence.
38 Cook H	I-4	E A LANG & LIT DEPT - C OF LLL	\$1,400.00	Collaborative storytelling between JFL learners and Japanese host families.

TABLE 2. 2002 - 2003 Faculty Travel To Professional Conferences

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39 Couvillon P A	I-4	PAC BI RS CT - RES & DEAN OF GR	\$1,700.00	Learned Control of Performance by Short-term Memory in Honeybees.
40 Cowen J P	I-5	OCEANOGRAPHY - RES & DEAN O	\$2,000.00	Microorganisms in Fluids from 3.5 m.y. Old Ocean Crust.
41 Cowie R H	R-4	PAC BI RS CT - RES & DEAN OF GR	\$1,700.00	The AMS list of unwanted alien snails in the USA: progress report.
42 Cox L J	S-5	NAT RES&ENVIRON MGMT - C OF	\$1,500.00	Multi-ethnic Community Interpretation & Eco-tourism Marketing; Protecting Endangered Recreational Areas from Too Many Visitors: The Case of Hanauma Bay.
43 Crislip A	I-3	RELIGION DEPT - C ARTS & HUM	\$1,470.00	The Monastic Health Care System in its Functional Context.
44 Daehler C C	I-4	BOTANY DEPT - C OF NAT SCI	\$1,620.00	Recovering from an African grass invasion; Experimental restoration of an indigenous grassland at the Pu'u Kohola National Historic Site, Hawaii.
45 Daimiyya V	I-4	PHILOSOPHY DEPT - C ARTS & HU	\$1,050.00	Multiple Essentialisms: On Sorting the Good from the Bad.
46 D'Andrea M	I-5	COUNSELOR EDUC DEPT - C OF E	\$1,500.00	Global Perspectives on Violence, Non Violence, Reconciliation and Recovery-School Based Violence Prevention Training: A Developmental-Ecological Approach.
47 Daniel E L	I-5	HISTORY DEPT - C ARTS & HUM	\$1,410.00	Al-Yaqubi and Shi'ism Reconsidered.
48 Daniels J	I-5	COUNSELOR EDUC DEPT - C OF E	\$1,500.00	Sport and Exercise Psychology: Developmental-Ecological Approach to Sport Psychology.
49 Dawson R P	I-5	WOMENS STUDIES PROG - C OF S	\$1,111.00	Traces of Female Celebrity: Catherine the Great of Russia in the Eyes of her German Contemporaries.
50 De Carlo E H	R-4	OCEANOGRAPHY - RES & DEAN O	\$1,600.00	Rare earth elements in Antarctic lakes: Implications for trace metal cycling.
51 Deen K U	I-3	LINGUISTICS DEPT - C OF L L L	\$1,371.00	Underspecified verb forms and subject agreement in Nairobi Swahili.

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52 Desser D	I-3	ENGLISH DEPT - C OF L LL	\$1,400.00	Reports from "Paradise": Rhetorical Negotiations of Women Settlers in Hawaii.
53 Deutsch E	I-5	PHILOSOPHY DEPT - C ARTS & HU	\$1,700.00	Eliot Deutsch's Contributions to Indian Philosophy.
54 Douglas J T	I-5	MICROBIOLOGY DEPT - C OF NAT	\$1,500.00	Families of Mycobacterium tuberculosis in the Western Pacific and Hawaii.
55 Eades D	I-4	SECOND LANG STUDIES - C OF LL	\$1,400.00	The participation of second language and second dialect speakers in the legal system.
56 Espiritu Halagao P	I-3	TA&HR DEANS OFF - C OF TA & HR	\$1,400.00	"Lived Experiences of a Transformative Multicultural Curriculum"
57 Feeney S	I-5	TEACH ED & CURR STU - C OF ED	\$1,570.20	Directors as Ethical Leaders: The NAEYC Code Is a Tool That Can Contribute to Success.
58 Ferguson K E	I-5	POLITICAL SCI DEPT - C OF SOC S	\$1,584.00	E.G.: Emma Goldman, For Example.
59 Fischer G	I-3	CIVIL ENGINRG DEPT - C OF ENGI	\$2,000.00	Ultra-Ductile Engineered Cementitious Composites for Seismic Resistant Structures.
60 Fisher E	I-4	THEATRE & DANCE DEPT - C ARTS	\$1,548.00	"The German Lineage in Contemporary Dance"
61 Foley D	I-4	URB & REG PLAN DEPT - C OF SO	\$1,700.00	Promoting Community Stewardship: Collaborative Planning in the Ala Wai Watershed.
62 Fontaine G	I-5	COMMUNICATION DEPT - C OF SO	\$2,000.00	Teams in Teleland: Working effectively in Geographically Dispersed Teams "in" America, Asia and the Pacific.
63 Foote J A	R-2	CANCER CT HI - RES & DEAN OF G	\$1,771.00	Examination of the association of dietary variety and nutrient intakes.
64 Franck V	R-3	OCEANOGRAPHY - RES & DEAN O	\$1,797.70	Effect of iron addition on cell-specific silica production in mixed diatom assemblages from the eastern equatorial Pacific.
65 Franklin C G	I-4	ENGLISH DEPT - C OF L LL	\$1,000.00	"Displacing the West and Replacing Humanism in Edward Said's Out of Place"

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66 Fried J L	C-3	HUMANITIES - KAPIOLANI CC	\$1,500.00	Hands Across the Pacific: Partnerships for Progress.
67 Fritzinger D C	S-4	CANCER CT HI - RES & DEAN OF G	\$2,000.00	"Structure of the Cobra Venom Factor (CVF) Gene and Comparison with the Human C3 Gene" and "Cobra Venom Factor is a Member of a Multi-Copy Gene Family in Cobra"
68 Fujikane C	I-4	ENGLISH DEPT - C OF L L L	\$1,300.00	"Asian Settler Colonialism in Hawaii: Foregrounding Anticolonial Native Nationalisms in Asian American Studies"
69 Fulford C P	I-5	EDUC TECHNOLOGY - C OF EDUC	\$1,320.00	Creating Technology Mentor Teachers Through A Digital Sabbatical Opportunity Online.
70 Garcia M O	I-5	GEOLOGY & GEOPHYSICS - RES &	\$1,500.00	The Nu'uuanu Slide: A Giant Hawaiian Landslide?
71 Garneau M-C	I-3	LANG&LIT EUROPE&AM - C OF LL	\$1,200.00	"Stendhal et Retz: une piste de lecture?"
72 Goldberg-Hiller J	I-4	POLITICAL SCI DEPT - C OF SOC S	\$1,000.00	Special Rights Claims as a Momentary Advantage: Native Hawaiian Autonomy, U.S. Law, and International Politics
73 Gollin L	R-3	SCH OF MED - C OF HLTH SCI & S	\$1,292.95	1) Making scents of taban Kenyah (Kenyah medicines): subtle & profound sensory attributes of Kenyah Leppo Ke plant therapies. 2) Biodiversity mgmt. & perspectives on native/introduced plants in HI.
74 Gonzalves T	I-3	AMER STUDIES DEPT - C ARTS & H	\$1,100.00	Joe Bataan's 'Mestizo Soul': Cultural Nationalism, Popular Music and Asian America.
75 Goodliffe A	R-3	HI INST OF GEOP-PLTY - RES & DE	\$1,600.00	Variations in the distribution and Control of syn-rift deformation in the Gulf of Corinth, Greece.
76 Gopalakrishnan C	R-5	NAT RES&ENVIRON MGMT - C OF	\$1,500.00	Water Allocation among Multiple Stakeholders: The Case of Waiahole Water Project, Hawaii.
77 Goss J	I-5	GEOGRAPHY DEPT - C OF SOC SC	\$1,300.00	1. Postcards from New Orleans. 2. Indigenous epistemology and critical theory.

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78 Grace D J	I-3	TEACH ED & CURR STU - C OF ED	\$1,700.00	Student Video Production: Broadening the Boundaries of Literacy and Learning.
79 Greaney T M	I-4	ECONOMICS DEPT - C OF SOC SCI	\$1,700.00	Reverse Importing and Symmetric Trade and FDI: A Networks Explanation.
80 Greenfield D W	I-5	ZOOLOGY DEPT - C OF NAT SCI	\$1,665.60	A survey of the small reef fishes of Kaneohe Bay, Oahu, Hawaiian Islands.
81 Guan L	I-3	SCH OF ACCOUNTANCY - C OF BU	\$1,200.00	Earnings Management and Forced CEO Dismissals.
82 Hadfield M G	I-5	PAC BI RS CT - RES & DEAN OF GR	\$2,000.00	Do settling larvae make mistakes?
83 Harvey A	I-3	MUSIC DEPT - C ARTS & HUM	\$2,000.00	The Impact of Heartbeat Music As An Intervention in Cardiology.
84 Harwit E	I-4	HA&PS DEANS OFF - SCH OF HA&	\$2,000.00	The Digital Divide of Internet Use in China.
85 Head JD	I-5	CHEMISTRY DEPT - C OF NAT SCI	\$1,400.00	Inclusion of Rydberg Orbitals in Semiempirical Calculations on Excited States?
86 Heiby E M	I-5	PSYCHOLOGY DEPT - C OF SOC S	\$2,000.00	The Health Compliance Schedule-II.
87 Herrero-Bervera E	R-5	HINST OF GEOP-PLTY -RES & DE	\$1,800.00	Paleomagnetic Study of a Long Sequence of Lavas Recorded on the Island of Lanai, Hawaii, Oahu.
88 Hoffmann K	I-5	LANG&LT EUROPE&AM - C OF LL	\$1,700.00	Memories of Bodies, Fantasies of Knowledge: Early Modern Anatomical Models.
89 Howes W C	I-5	ENGLISH DEPT - C OF LL L	\$1,742.00	Lest We Forget: Video Biography as a Record of Historic Preservation and Post/Graduate Futures.
90 Hu J	R-5	PLT&ENVIRON PROT SCI - C OF TA	\$2,000.00	Development and implementation of environment-friendly technologies for managing diseases in plantation fruit crops.
91 Hudson T	I-4	SECOND LANG STUDIES - C OF LL	\$1,300.00	Trait/Method Structure for Selected Versus Constructed Response Web-Based Language Tests.
92 Hunt T L	I-4	ANTHROPOLOGY DEPT - C OF SO	\$1,300.00	"Phylogenetic analysis and Polynesian population history"

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<b>Principal Investigator</b>	<b>Rank</b>	<b>Department</b>	<b>Amount Awarded</b>	<b>Paper Presented</b>
93 Iding M	I-4	EDUC PSYCHOLOGY DEPT - C OF	\$1,500.00	Using the WWW in the Classroom: Addressing issues of Cognitive Load and Critical Evaluation Skills.
94 Inoue M	I-3	ART DEPT - C ARTS & HUM	\$887.70	Colonial Space, Different Realities.
95 Irwin K	I-3	SOCIOLOGY DEPT - C OF SOC SCI	\$1,433.00	"From the Mainstream to the Margins and Back: A Historical Look at Evaluation Research"
96 Itano J K	I-4	NURSING DEPT - C OF HLTH SCI &	\$1,350.00	Evaluating the Impact of Technology on Teaching and Learning Using the Flashlight Program.
97 Jarman R	S-3	NURSING DEPT - C OF HLTH SCI &	\$1,500.00	Serving Graduate Students: A Working Partnership of Student Services and Academic Affairs.
98 Jenkins A	I-4	SPECIAL EDUC DEPT - C OF EDUC	\$1,100.00	Accommodating and Adapting the General Education Curriculum in the Content Mastery Center.
99 Jewitt D	R-5	INST FOR AST - RES & DEAN OF G	\$2,000.00	From Kuiper Belt to Cometary Nucleus.
100 Jiang S	I-2	E A LANG & LIT DEPT - C OF L LL	\$1,092.20	A Semantic Study of the Classifier Dao.
101 Johnson R	I-5	TEACH ED & CURR STU - C OF ED	\$1,254.00	The amorphous pretend play curriculum: Theorizing embodied synthetic multicultural props.
102 Jolly K L	I-4	HISTORY DEPT - C ARTS & HUM	\$1,240.00	"Historical Empathy, Medieval Mentalities, and the Opening of the Evangelical Mind"
103 Kanno K	I-4	E A LANG & LIT DEPT - C OF L LL	\$1,100.00	Linguistic Profiles of Bilingual Learners of Japanese.
104 Kaomea J	I-3	TEACH ED & CURR STU - C OF ED	\$1,254.00	The Death of the Hawaiian Curriculum: A Postcolonial Detective Story.
105 Keeley S C	I-5	BOTANY DEPT - C OF NAT SCI	\$1,360.00	Old Beginnings and New Endings in the Vernonieae (Compositae).
106 Kelleher T A	I-3	COMMUNICATION DEPT - C OF SO	\$1,360.00	Adapting and Extending the Technology Acceptance Model in Globally Linked PR Classes.
107 Kennedy K	I-3	MUSIC DEPT - C ARTS & HUM	\$1,300.00	Concert: Music of Coronations.
108 Kent G	I-5	POLITICAL SCI DEPT - C OF SOC S	\$1,400.00	The Human Right to Adequate Food and Nutrition.

TABLE 2. 2002 - 2003 Faculty Travel To Professional Conferences

Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
109 Kim H	I-3	TIM DEANS OFF - SCH OF TIM	\$1,700.00	1. Risk-Adjusted Performance: A Sector Analysis of the Restaurant Industry 2. Determinants of Restaurant Systematic Risk: A Reexamination.
110 Kim M-S	I-5	SPEECH DEPT - C ARTS & HUM	\$1,670.00	The Relationship between Self-Construals and Perceived Face Threats in Influence Goals.
111 Kim S Y	I-3	CTR ON THE FAMILY - C OF TA & H	\$1,600.00	Acculturation, Parenting, and Adolescent Adjustment in Chinese American Families.
112 Kim Y S	R-4	HUM NUTR,FD&ANML SCI - C OF T	\$1,360.00	Refolding and purification of unprocessed porcine myostatin expressed in E. coli.
113 Klingebiel K	I-5	LANG&LIT EUROPE&AM - C OF LL	\$1,026.92	"Troubadours and Troubadour Ghosts of the Auvergne, Velay, Gévaudan, and Vivarais"
114 Klobe T	I-5	ART DEPT - C ARTS & HUM	\$1,200.00	Islamic Paradise in a Christian Context: The Ceiling of the Cappella Palatina in Palermo, Sicily.
115 Knuth R	I-4	HAMILTON LIBRARY - LIBRARY SE	\$2,000.00	"Libicide: The Shadow Phenomenon"
116 Kondo-Brown K	I-3	E A LANG & LIT DEPT - C OF LL	\$1,100.00	Do background variables predict students' scores on a proficiency test?
117 Koo H	I-5	SOCIOLOGY DEPT - C OF SOC SCI	\$1,445.00	Middle Class, Civil Society, and Labor Politics: The South Korean Case.
118 Kratky B	R-5	TROP PLAN&SOIL SCI - C OF TA &	\$2,000.00	A Suspended Pot, Non-Circulating Hydroponic Method
119 Krishna S	I-4	POLITICAL SCI DEPT - C OF SOC S	\$1,005.00	"International Relations Discourse as a Prose of Counter-Insurgency" and "Intimations of Modernity: the railway as metaphor in Holocaust and Partition literatures"
120 Kulp C	I-3	SPEECH DEPT - C ARTS & HUM	\$1,431.58	(1) "Don't you want me baby?". Premarital couples' uncertainty over and communication of commitment. (2) Commitment in an Asian Indian arranged marriage.
121 Lamb R	I-4	RELIGION DEPT - C ARTS & HUM	\$1,998.00	"Ram Setu: Crossing the waters, and other barriers, with Ram"

TABLE 2. 2002 - 2003 Faculty Travel To Professional Conferences

<b>Principal Investigator</b>	<b>Rank</b>	<b>Department</b>	<b>Amount Awarded</b>	<b>Paper Presented</b>
122 Lau F	I-4	MUSIC DEPT - C ARTS & HUM	\$2,000.00	"Composing from the edge of the World: Western classical music and hybridity"
123 Lawhorn M H	C-2	HUMANITIES - KAPIOLANI CC	\$1,100.00	"Teaching Titus, September 2001".
124 Lee C H	I-5	ECONOMICS DEPT - C OF SOC SCI	\$1,590.00	Korea's Direct Investment in China and Its Implications for Economic Integration in Northeast Asia.
125 Lee D J	I-4	E A LANG & LIT DEPT - C OF LLL	\$2,000.00	Heritage Learners in Recent Trends of Foreign Language Teaching in U.S.
126 Lee H-r	I-3	SPEECH DEPT - C ARTS & HUM	\$1,670.00	Effectiveness of comprehensive community intervention in reducing smoking and "is silence golden?" Cultural metaphores and inherent biases on wordless communication.
127 Lee Y-J	I-4	SOCIOLOGY DEPT - C OF SOC SCI	\$1,300.00	1) Gender, lifetime socioeconomic environments and Health among the Elderly: Japan and Taiwan. 2) Do work characteristics affect health? Experience of the Middle-Aged in East Asia.
128 Lesa F	I-2	INDO PAC LANG DEPT - C OF LLL	\$1,600.00	The Status of Respect Samoan in the State of Hawaii.
129 Lin I-B	I-3	MUSIC DEPT - C ARTS & HUM	\$2,000.00	Cello Recitals and Strings Workshops.
130 Littman R J	I-5	LANG&LIT EUROPE&AM - C OF LL	\$1,000.00	Tobit's Blindness.
131 Liu R S H	I-5	CHEMISTRY DEPT - C OF NAT SCI	\$2,000.00	Hula-twist, a supramolecular photoisomerization reaction mechanism.
132 Logan J	I-4	LANG&LIT EUROPE&AM - C OF LL	\$1,000.00	"Lo argentino for sale: La globalizacion, la identidad y el destino turistico", "Lo argentino for sale: Globalizacion, Identity and the Destiny/Destination of Tourism"
133 Lowry K	I-5	URB & REG PLAN DEPT - C OF SO	\$840.00	Anticipating Alternative Futures: Using Scenarios for Long-Range Planning in Hawaii.
134 Lyons L E	I-4	ENGLISH DEPT - C OF LLL	\$1,480.00	"Taxonomies of Terror: Irish Republican Responses to 9/11"
135 Lyons P	I-4	ENGLISH DEPT - C OF LLL	\$1,475.00	Transformations of the County in the City in Contemporary Literatures of Hawaii.

TABLE 2. 2002 - 2003 Faculty Travel To Professional Conferences

<b>Principal Investigator</b>	<b>Rank</b>	<b>Department</b>	<b>Amount Awarded</b>	<b>Paper Presented</b>
136 Magnussen L	I-4	NURSING DEPT - C OF HLTH SCI &	\$1,100.00	A Qualitative Study of Cultural Aspects of Spouse Abuse.
137 Man G	I-5	ENGLISH DEPT - C OF LLL	\$1,300.00	"Realism in the Multi-Protagonist Film"
138 Manghani M	R-5	HI INST OF GEOP-PLTY - RES & DE	\$2,000.00	High-Pressure compressibility of silicates liquids by Brillouin scattering.
139 Maskarinec G	R-4	CANCER CT HI - RES & DEAN OF G	\$1,371.20	Secular cancer trends in cancer incidence in Japan and in the US.
140 Maynard A E	I-3	PSYCHOLOGY DEPT - C OF SOC S	\$1,500.00	The social organization of Zinacante Maya sibling support: Language and teaching in everyday interactions.
141 Mazur M A	I-3	SPEECH DEPT - C ARTS & HUM	\$1,431.58	"Parent-Adolescent Communication about the Media: An Interpersonal Approach to Parental Mediation" and :Please, Please Tell Me Now Is There Something I Should Know?"
142 McGovern-Hopkins K	S-2	SEA GRANT COLL PROG - RES & D	\$1,500.00	Production of the Homozygous Genotype for the Lyretail Trait in Swordtails, ( <i>Xiphophorus helleri</i> ) Using Artificial Insemination.
143 McKimmy P	S-4	EDUC TECHNOLOGY - C OF EDUC	\$1,000.00	A Handful of Brilliant Ideas for WebCT.
144 McReynolds L	I-5	HISTORY DEPT - C ARTS & HUM	\$1,495.00	"Fatally Female: Early Shades of Noir in the Pre-revolutionary Cinema"
145 Meech K J	R-5	INST FOR AST - RES & DEAN OF G	\$2,000.00	Comets and the Connection to Life.
146 Menikoff B	I-5	ENGLISH DEPT - C OF LLL	\$1,983.00	Robert Macgregor, Rebel with a Grace Note.
147 Merlin M D	I-5	BIOLOGY PROG - C OF NAT SCI	\$1,948.00	The Adventive Rainforest: Alien Species Domination and Transformation of Lowland Tropical Ecosystems on O'ahu, Hawaii.
148 Michael K	I-3	CHEMISTRY DEPT - C OF NAT SCI	\$1,485.24	N-glycosyl asparagines and N-glycopeptides by phototransamidation.
149 Milner N	I-5	POLITICAL SCI DEPT - C OF SOC S	\$1,000.00	"Special" Rights, The New Right and The Politics of Resentment.

TABLE 2. 2002 - 2003 Faculty Travel To Professional Conferences

Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
150 Mochida P	I-5	ACADEMIC AFFAIRS - SR VP/CHAN	\$1,650.00	"Closing the Generation Gaps: Co-Authoring a Biography on the Lost Man of History"
151 Morgan R	I-3	MUSIC DEPT - C ARTS & HUM	\$1,989.00	Lecture-Recital: The Palm Court, Vamps & Tangos: Dancing to Barber's Souvenirs.
152 Morse J	I-5	ENGLISH DEPT - C OF L L L	\$1,384.00	"Emily Dickinson as Historical Guide"
153 Mottl M J	I-5	OCEANOGRAPHY - RES & DEAN O	\$2,000.00	Deep Fluids from the Subducting Pacific Plate and Associated Extremophilic Microbial Activity on a Mariana Forearc Serpentine Seamount, ODP Leg 195.
154 Murata N	I-4	KINESI & LEISURE SCI - C OF EDU	\$1,200.00	Collaboration Between Adapted Physical Educators and Occupational Therapist on Activity-Specific Manipulative Skills for Preschoolers with Developmental Delays.
155 Nicholson P	I-5	ENGLISH DEPT - C OF L L L	\$994.48	The Genre of the Confessio Amantis.
156 Norcross Z	S-3	SEA GRANT COLL PROG - RES & D	\$1,200.00	Hawaiian Beaches Dominated by Longshore Transport.
157 Novotny R	I-5	HUM NUTR, FD&ANML SCI - C OF T	\$1,100.00	Higher dairy intake is associated with lower body fat during adolescence.
158 Odin S	I-5	PHILOSOPHY DEPT - C ARTS & HU	\$2,000.00	Peace in Shin Buddhism and Whitehead's Process Theology.
159 O'Donnell C R	I-5	PSYCHOLOGY DEPT - C OF SOC S	\$950.00	1) Culture, Peers, and Delinquency: Implications for the Community Peer Model 2) Interdisciplinary Training and Rural Capacity
160 Okamura J Y	I-3	ETHNIC STUDIES PROG - C OF SO	\$1,201.00	Ethnic Relations in Post-Rice Hawaii.
161 Olson T	I-4	NURSING DEPT - C OF HLTH SCI &	\$1,500.00	Buddhism, Behavior Change and OCD.
162 Ooi P	I-3	CIVIL ENGINRG DEPT - C OF ENGI	\$1,700.00	Use of Stiffness for Evaluating Compactness of Cohesive Pavement Geomaterials.
163 Otsuka Y	I-3	LINGUISTICS DEPT - C OF L L L	\$957.05	"Syntactic ergativity in Tongan: Resumptive pronoun revisited"

TABLE 2. 2002 - 2003 Faculty Travel To Professional Conferences

<b>Principal Investigator</b>	<b>Rank</b>	<b>Department</b>	<b>Amount Awarded</b>	<b>Paper Presented</b>
164 Pauka K	I-3	THEATRE & DANCE DEPT - C ARTS	\$1,835.00	Concepts of Islam and Adat in Contemporary Randai Theatre and their role in the Randai Training Program at the University of Hawaii.
165 Perkins R	I-3	AMER STUDIES DEPT - C ARTS & H	\$2,000.00	'Hell Exploded': How Prison Music and Memoir Helped Topple America's Convict Lease System and What This Means for the Future of Penal Reform.
166 Pietrusewsky M	I-5	ANTHROPOLOGY DEPT - C OF SO	\$1,300.00	Cultural modification in adolescent earth-oven interment from Fiji: sorting out mortuary practice.
167 Porter J	R-3	HI INST OF GEOP-PLTY - RES & DE	\$1,720.00	Atmospheric Correction Near Hawaii: Clear Sky and Volcano Plumes.
168 Prizzia R	I-5	WEST HI UHH - ACADEMIC AFF UH	\$1,400.00	The Impact of Privatization on Public Sector Collective Bargaining: An International Perspective.
169 Quiroga L M	I-3	INFO & COMP SCI DEPT - C OF NA	\$1,700.00	Evaluating Interest Profiles Based on Users' Judgment, Interest Change and Class Specificity in the Context of Filtering Medical Documents.
170 Ray C	I-4	CIVIL ENGINRG DEPT - C OF ENGI	\$1,850.00	Preferential Transport of Bromacil in Hawaii Oxisols
171 Ridgley M	I-5	GEOGRAPHY DEPT - C OF SOC SC	\$2,000.00	Value-Focussed Thinking and the Management of Helen Reef, Palau.
172 Rieder J	I-5	ENGLISH DEPT - C OF LLL	\$1,277.00	Science Fiction, Colonialism, and the Plot of Invasion: Wells, Capek, and Butler.
173 Riggs H R	I-5	CIVIL ENGINRG DEPT - C OF ENGI	\$2,000.00	Displacement and Pressure Transfer Between Structural and Fluid Meshes in Fluid-Structure Interaction.
174 Robert F M	I-4	MICROBIOLOGY DEPT - C OF NAT	\$745.00	Rhizosphere-Assisted Remediation of a Deep-Seated Petroleum Hydrocarbon Contaminant.
175 Roberts R C	I-3	PHILOSOPHY DEPT - C ARTS & HU	\$1,700.00	Justice and Rectification: A Taxonomy of Justice.
176 Robertson I N	I-4	CIVIL ENGINRG DEPT - C OF ENGI	\$2,000.00	Dynamic Deflection Monitoring Using Fiber Optic Strain Gages.

TABLE 2. 2002 - 2003 Faculty Travel To Professional Conferences

<b>Principal Investigator</b>	<b>Rank</b>	<b>Department</b>	<b>Amount Awarded</b>	<b>Paper Presented</b>
177 Robinow S	I-4	ZOOLOGY DEPT - C OF NAT SCI	\$1,400.00	Characterization of CG6214, a C-subfamily member of the ABC transporter superfamily.
178 Rodriguez N	I-4	SOCIAL SCIENCE - HAWAII CC	\$1,003.90	"The Withholding of Complaints: Using Systematic Self-Observation to Access Muted Thoughts"
179 Rolett B V	I-4	ANTHROPOLOGY DEPT - C OF SO	\$1,585.00	Austronesians and China's Neolithic Revolution in Seafaring.
180 Rosene J M	I-4	KINESI & LEISURE SCI - C OF EDU	\$1,134.00	A Comparision of Thermoregulation With Short-Term Creative Supplementation Between Genders in a Thermoneutral Environment.
181 Ruby E G	R-5	PAC BI RS CT - RES & DEAN OF GR	\$1,702.00	Bacterium-bacterium and bacterium-host signaling during the initiation of symbiosis.
182 Salzman M	I-3	COUNSELOR EDUC DEPT - C OF E	\$2,000.00	Existential Anxiety, Religious Fundamentalism, The "Clash of Civilizations" and Terror Management Theory.
183 Sanders D B	R-5	INST FOR AST - RES & DEAN OF G	\$1,500.00	The Cosmic Evolution of Luminous Infrared Galaxies: From IRAS-to-ISO and SIRTF.
184 Sattler K	I-5	PHYSICS & ASTRO DEPT - C OF NA	\$2,000.00	Scanning Tunneling Lithography of Silicon Nanoparticle Films.
185 Schroeder P A	I-3	LANG&LT EUROPE&AM - C OF LL	\$1,721.46	Caliban's Sister: Feminism and Revolution in Nancy Morejon's "Amo a mi amo"
186 Shankar S	I-3	ENGLISH DEPT - C OF LL	\$1,450.00	Transnational and Vernacular Postcolonialisms in the Academy.
187 Shapiro M	I-5	POLITICAL SCI DEPT - C OF SOC S	\$1,145.00	Bosnian Blues and Since: Nationalism, War and the Problem of Method.
188 Sharma J P	I-5	HISTORY DEPT - C ARTS & HUM	\$2,000.00	"The City-States of Harappa and Mohenjodaro during the Third Millennium B.C. (c. 3000-1900 B.C.)"
189 Sharma M	I-5	HA&PS DEANS OFF - SCH OF HA&	\$2,000.00	Changing face of Agrarian Relations in North India: What difference does a quarter of a century make?

TABLE 2. 2002 - 2003 Faculty Travel To Professional Conferences

<b>Principal Investigator</b>	<b>Rank</b>	<b>Department</b>	<b>Amount Awarded</b>	<b>Paper Presented</b>
190 Sharma SK	R-5	HI INST OF GEOP-PLTY - RES & DE	\$2,000.00	Multi-wavelength scanning lidar measurements of the effect of wind speed on marine aerosol fields generated by breaking waves
191 Sheehey P	I-3	SPECIAL EDUC DEPT - C OF EDUC	\$1,506.00	Hawaiian Families' Involvement in Special Education: A Cultural Perspective.
192 Sherry A C	I-4	EDUC TECHNOLOGY - C OF EDUC	\$1,510.00	Does it Translate? Promulgating the Revised AECT Code of Professional Ethics Worldwide.
193 Siegel J A	R-4	SECOND LANG STUDIES - C OF L L	\$1,200.00	Language Variation and the Education of Speakers of Hawaii'i Creole English.
194 Skouge J R	I-3	SPECIAL EDUC DEPT - C OF EDUC	\$1,400.00	Creating Futures: Video Empowerment in under-resourced communities.
195 Smith W	I-5	MATHEMATICS DEPT - C OF NAT S	\$850.20	Hardy spaces that support no compact composition operators.
196 Soguk N	I-4	POLITICAL SCI DEPT - C OF SOC S	\$1,896.00	1) Global Politics and Spaces of Tension: Migration, Indigeneity and Transnational Visions in Global Governance. 2) Itinerant Violence: States, Paramilitaries, and the Political Economy of Violence.
197 Spencer J	I-3	URB & REG PLAN DEPT - C OF SO	\$1,400.00	Neighborhood Poverty and the Los Angeles Riots of 1992: Has the Economic Base Changed?
198 Sponsel L E	I-5	ANTHROPOLOGY DEPT - C OF SO	\$1,500.00	Yanomami Studies: Past, Present and Future.
199 Stanton J	I-4	ART DEPT - C ARTS & HUM	\$1,300.00	Thirteen Ways of Looking at a Muisil.
200 Stark M T	I-4	ANTHROPOLOGY DEPT - C OF SO	\$905.00	1. Compositional perspectives on early historic period glass beads from Angkor Borei, Cambodia 2. Models of Complexity in Southeast Asian Archaeology: The Next Generation
201 Strelitzer J	I-5	PSYCHIATRY DEPT - C OF HLTH S	\$1,200.00	Management of the Difficult Opioid-Dependent Chronic Pain Patient.
202 Szypor J P	S-4	SEA GRANT COLL PROG - RES & D	\$1,910.00	Predicting Water Temperature Regimes in Aquaculture Systems from Nearby Airport Air Temperatures.

TABLE 2. 2002 - 2003 Faculty Travel To Professional Conferences

<b>Principal Investigator</b>	<b>Rank</b>	<b>Department</b>	<b>Amount Awarded</b>	<b>Paper Presented</b>
203 Tamaru C S	S-5	SEA GRANT COLL PROG - RES & D	\$2,000.00	Reducing the size and associated costs of rotifer culture for marine finfish hatcheries
204 Thau E M	I-3	LANG&LIT EUROPE&AM - C OF LL	\$1,600.00	Exclusion and Enclosure: Marginalization in Fernando Leon's Barrio.
205 Tseng W-S	I-5	PSYCHIATRY DEPT - C OF HLTH S	\$2,000.00	Cultural Competent Psychotherapy for Patient Service."
206 Umemoto K	I-4	URB & REG PLAN DEPT - C OF SO	\$1,700.00	Planning for Peace: Building a Human Relations Infrastructure.
207 Van Zile J	I-5	THEATRE & DANCE DEPT - C ARTS	\$2,000.00	Issues in Studying and Recording Dance as an Intangible Cultural Asset.
208 Villegas-Silva C	I-3	LANG&LIT EUROPE&AM - C OF LL	\$1,700.00	"Theatre and Multimedia in Times of Globalization"
209 Vitello G	I-3	E A LANG & LIT DEPT - C OF LL L	\$2,000.00	"Heroic Sexuality: Friendship and Love in Late Imperial Fiction"
210 Vovin A V	I-4	E A LANG & LIT DEPT - C OF LL L	\$2,000.00	Reconstructing the language that vanished: tracing Ruan-ruan elements in Turkic twelve year animal cycle.
211 Waite D B	I-5	ART DEPT - C ARTS & HUM	\$1,700.00	Iconic Hybridity: Fish-Human Imagery as Cultural Mimesis/Transformation in the Southeast Solomon Islands.
212 Wang B	I-5	METEOROLOGY - RES & DEAN OF	\$2,000.00	Impacts of Monsoon Ocean Interaction on the Asian Monsoon Variability.
213 Ward C	I-4	ENGLISH DEPT - C OF LL L	\$1,000.00	"Art, Aesthetics, Abstraction, and Africa: Minding a Fractal World"
214 Warner S L	I-3	INDO PAC LANG DEPT - C OF LL L	\$1,400.00	Na Ka 'Owi: Pedagogy as a Site of Struggle in the Revitalization of Native Languages.
215 Wayne V	I-5	ENGLISH DEPT - C OF LL L	\$1,054.00	"Civil Rites: The Obsequies for Innogen in Cymbeline".
216 Weems C W	R-5	HUM NUTR,FD&ANML SCI - C OF T	\$1,700.00	Effect of luteinizing Hormone (LH), Pregnancy Specific Protein B (PSPB) or Arachidonic Acid on Ovine Placental Secretion of Prostaglandins E and PGF (PGE ; PGF ).

TABLE 2. 2002 - 2003 Faculty Travel To Professional Conferences

<b>Principal Investigator</b>	<b>Rank</b>	<b>Department</b>	<b>Amount Awarded</b>	<b>Paper Presented</b>
217 Wessendorf M	I-4	THEATRE & DANCE DEPT - C ARTS	\$1,500.00	"Off to Mahagonny / Where All the Trade-Winds Blow".
218 Wilkens G R	I-4	MATHEMATICS DEPT - C OF NAT S	\$1,177.00	Second-order type-changing evolution PDE with first-order intermediate equations.
219 Williams B L	I-3	TEACH ED & CURR STU - C OF ED	\$1,700.00	Collecting, Researching, Presenting and Interpreting Material Culture.
220 Womack D R	I-4	MUSIC DEPT - C ARTS & HUM	\$207.40	Pearl City (symphonic wind ensemble).
221 Wong K L	I-2	INDO PAC LANG DEPT - C OF L L L	\$1,320.00	Native Language as a Site of Struggle: The Limits and Capacity of the Academy in the Revitalization of Native Languages.
222 Wong-Kim E	I-3	SCH SOC WORK - C OF HLTH SCI &	\$1,100.00	Evaluating a psychoeducational support group intervention in Chinese breast cancer patients.
223 Wright L A	I-5	MUSIC DEPT - C ARTS & HUM	\$2,000.00	"Musical Entertainments at the Paris Exposition of 1900"; "Bizet's Ivan: Formed but not Finished"
224 Yang D C	I-5	SCH OF ACCOUNTANCY - C OF BU	\$1,670.00	A Note on the Using of Accounting Databases.
225 Yang G	I-3	SOCIOLOGY DEPT - C OF SOC SCI	\$1,500.00	Information Capital and Political Protest: Methodological Issues in Internet-based Research.
226 Yang P-Y	R-5	MOL BIOSCI&BIOSYS EG - C OF TA	\$1,400.00	1.Two-Stage entrapped mixed microbial cell (2SEMMC) process for simultaneous removal of organics and nitrogen for rural domestic sewage application. 2. Developing a 5-S approach for a milk parlor wastewater treatment system.
227 Yasui B K	I-5	MUSIC DEPT - C ARTS & HUM	\$1,200.00	Dances We Dance, for alto saxophone and piano.
228 Yoshihara M	I-3	AMER STUDIES DEPT - C ARTS & H	\$1,217.20	The Man Who Became a Method: Globalization of the Suzuki Method.
229 Young Leslie H	I-3	ANTHROPOLOGY DEPT - C OF SO	\$1,500.00	Of Cannibals, Colonials and the Lavender Thief: Modernity Through Medicine in Tonga.

TABLE 2. 2002 - 2003 Faculty Travel To Professional Conferences

<b>Principal Investigator</b>	<b>Rank</b>	<b>Department</b>	<b>Amount Awarded</b>	<b>Paper Presented</b>
230 Zhou K	I-4	POLITICAL SCI DEPT - C OF SOC S	\$1,750.00	Culture of Political Economy and New Generation of Chinese Elite.
231 Zinin P	R-4	HI INST OF GEOP-PLTY - RES & DE	\$1,700.00	Acoustic Microscopy, Brillouin Scattering and Laser-Saw Technique for Defect Characterization in DLS Films.
232 Zuern J	I-3	ENGLISH DEPT - C OF L L L	\$2,000.00	Interpreting Animation and Vice Versa: Can We Philosophize in Flash?
		Grand Total	232	\$352,203.28

**Table 3. Data For 2002-2003 Distribution of Facilitating Services Fund**

<u>Department</u>	<u>Basis</u>	<u>Allocation</u>
Cancer Research Center	\$1,146,983.00	\$1,620,752.00
College of Arts & Humanities	8,754.00	14,418.00
College of Arts & Sciences	8,965.00	10,756.00
College of Business Administration	66,304.00	88,238.00
College of Education	89,678.00	155,790.00
College of Engineering	251,543.00	314,071.00
College of Languages, Linguistics & Literature	27,758.00	50,176.00
College of Natural Sciences	635,077.00	873,859.00
College of Social Sciences	96,736.00	131,447.00
Curriculum Research & Development Group	102,835.00	112,469.00
College of Tropical Agriculture & Human Resources	206,957.00	305,831.00
Graduate Division	0.00	52.00
Institute for Astronomy	552,209.00	718,867.00
Information Technology Services	272.00	531,264.00
Laboratory Animal Service	19.00	19.00
Library Services	2,271.00	2,271.00
Lyon Arboretum	550.00	1,062.00
Office of Student Affairs	8,910.00	17,752.00
Pacific Biomedical Research Center	780,809.00	1,176,399.00
School of Architecture	1,414.00	3,444.00
School of Law	284.00	2,750.00
School of Medicine	570,607.00	843,563.00
School of Nursing	36,367.00	55,001.00
School of Public Health	19,632.00	19,632.00
School of Social Work	39,997.00	39,997.00
School of Travel Industry Management	3,433.00	4,159.00
School of Hawaiian, Asian & Pacific Study	25,791.00	47,309.00
School Ocean & Earth Science & Technology	2,721,160.00	3,296,904.00
Social Sciences Research Institute	124,902.00	193,418.00
University Affiliated Programs	90,951.00	171,280.00
Waikiki Aquarium	3,085.00	3,085.00
Water Resources Research Center	24,735.00	60,497.00
Community College Administration	4,876.00	12,008.00
Employment Training Center	9,122.00	10,122.00
Hawaii Community College	34,940.00	57,957.00
Honolulu Community College	8,678.00	19,482.00
Kapiolani Community College	12,603.00	31,260.00
Kauai Community College	49,216.00	59,224.00
Leeward Community College	47,941.00	66,878.00
Maui Community College	140,789.00	185,981.00
Windward Community College	12,244.00	28,856.00
West Oahu College	0.00	279.00
University of Hilo	526,410.00	688,911.00
Small Business Development Center	2,053.00	46,215.00
<b>Total</b>	<b>\$8,497,860.00</b>	<b>\$12,073,705.00</b>

**Table 4. 2002 - 2003 Project Development Fund Awards**

<u>Principal Investigator</u>	<u>Department</u>	<u>Purpose</u>	<u>Award Amount</u>
<u>Awarded by Chancellor</u>			
1 Alam, M.	College of Natural Science	Equipment - Gene Sequencers	\$250,000.00
2 Baker, D.	College of Languages, Linguistics & Literature	2002 Dist. Lecture Series	6,181.85
3 Bridgare, R.	School of Ocean & Earth Science & Technology	MARBEC Start-Up - Wang	150,000.00
4 Cadman, E.	School of Medicine	New Faculty Start-Up	110,000.00
5 Cann, R.	School of Medicine	New Faculty Start-Up - CMB	150,000.00
6 Carr, G.	College of Natural Science	Start-Up PCSU Associate Director	100,000.00
7 Chen, W.	School of Engineering	EE ABET Accreditation 2003	30,000.00
8 Cooney, M.	School of Ocean & Earth Science & Technology	MARBEC Start-Up Funds - Cooney	9,010.22
9 Dendle, W.	Chancellor's Office	Committee on Human Studies	9,200.00
10 Gaines, J.	College of Natural Science	Palmyra Research Consortium	25,000.00
11 Garrod, P.	Graduate Division	Teaching Assistance in Training	20,382.00
12 Kashimoto, K.	Facility Ground Safety	Utility Shortfalls	2,195,365.00
13 Kim, K.	College of Social Science	David Ansberry Salary Support	35,480.00
14 Kipnis, K.	College of Arts & Humanities	Aminaphil III	3,271.68
15 Laws, E.	Senior Vice President for Research & Graduate Education	University Connections	65,996.82
16 Leineweber, S.	Architecture	New Zealand Training	25,000.00
17 Leong, J.	School of Ocean & Earth Science & Technology (HIMB)	HIMB Energy Study	19,792.00
18 Magaard, L.	School of Ocean & Earth Science & Technology	International Center for Climate & Society	30,000.00
19 Martin, S.	Co-Curricular Activities, Program & Services	GSO Travel Fund 2000	15,000.00
20 McClain, D.	School of Ocean & Earth Science & Technology (HIMB)	EPSCOR Matching Funds	50,000.00
21 Moncur, J.	Water Resources Research Center	WAC Symposium Travel	2,179.00
22 Nation, J.	College of Natural Science	NATO Advanced Research Workshop	6,400.00
23 Perushek, D.	Library Services	Extend Library Hours	40,045.00
24 Perushek, D.	Library Services	Serials Conversion Project	168,100.00
25 Perushek, D.	Library Services	RTRF - Library Materials FY 2003	124,625.00
26 Sakaguchi, R.	Interim Vice Chancellor	Paradise Park	101,141.85
27 Smith, D.	School of Ocean & Earth Science & Technology	Dean Smith Faculty Start-Up	60,000.00
28 Smith, D.	School of Ocean & Earth Science & Technology	Dean Smith BRIN	62,000.00
29 Takanishi, D.	School of Medicine	New Faculty Start-Up - Surgery	150,000.00
30 Takekawa, R.	Facility Ground Safety	EHSO Hazardous Waster Disposal	180,000.00
31 Tsunoda, J.	Community College Administration	RTRF - International Education - Immigration	100,000.00
32 Ward, K.	School of Medicine	New Faculty Start-Up OB/GYN	150,000.00
33 Yan, Y.	School of Engineering	RTRF Start Up/Yan Yuling	48,014.93
<i>Sub Total</i>			<b>\$4,492,195.35</b>

**Table 4. 2002 - 2003 Project Development Fund Awards**

**Awarded by Vice Chancellor for Research & Graduate Education**

<u>Principal Investigator</u>	<u>Department</u>	<u>Purpose</u>	<u>Award Amount</u>
1 Albertini, T.	College of Arts & Humanities	Youth of Ferghana Valley	4,880.00
2 Antal, M.	SOEST - HNEI	ARC - Pressurized Catalytic	62,884.00
3 Cadman, E.	School of Medicine	Office of Biomedical Research	30,000.00
4 Caron, J.	College of Arts & Humanities	RTRF - Honors Program	6,830.00
5 Costello, P.	VP for University	RTRF - Distinguished Lecturer	5,000.00
6 Cutshaw, K.	School of Ocean & Earth Science & Technology	SOEST PPSF Look Lab Chean-Up	13,000.00
7 Dubanowski, R.	College of Social Science	KBMMI Repairs	97,359.71
8 Dunlap, M.	Pacific BioMedial Research Center	Hakalau Field Station	19,742.00
9 Flynn, L.	SOEST - HIGP	Hawaii Space Grant College	39,302.25
10 Gaines, J.	College of Natural Sciences	Optics Initiative	50,000.00
11 Grau, G.	SOEST - Sea Grant	Coastal Processes Outreach Position	25,000.00
12 Hayes, C.	College of Natural Sciences	Dai Ho Chun Chair - Supplemental	50,000.00
13 Hemmeheldt, T.	College of Natural Sciences	Metalloproteinase Inhibitors	47,000.00
14 Horton, K.	School of Ocean & Earth Science & Technology	Standoff Gas Sensor - RTRF	36,553.00
15 Kaiser, R.	College of Natural Sciences	Bilger 301 Equipment/Modification	196,000.00
16 Kaneshiro, K.	Pacific BioMedial Research Center	RTRF Award: UH/VUW Exchange Visit	5,670.00
17 Keil, K.	School of Ocean & Earth Science & Technology	Chancellor Supplement	49,417.00
18 Kinoshita, C.	School of Ocean & Earth Science & Technology	MARBEC R-Fund Support	222,967.99
19 Kinzie, R.	College of Natural Sciences	Albert Test Symposium	2,000.00
20 Kipnis, K.	College of Arts & Humanities	Bioethics Centers Meeting	500.00
21 Konda, S.	Lab Animal Service	RTRF - Snyder Repairs	23,500.00
22 Konda, S.	Lab Animal Service	RTRF - LAS Veterinarian	85,466.00
23 Konda, S.	Lab Animal Service	RTRF - IACUC Travel	750.00
24 Laws, E.	School of Ocean & Earth Science & Technology	Ocean 201 Lab Support	251.36
25 Laws, E.	Chancellor's Office	UHM EPSCOR Discretionary Fund	94,760.00
26 Laws, E.	Chancellor's Office	EPSCOR TIG Contract	75,000.00
27 Laws, E.	Chancellor's Office	Legal Services - 1999 Semiconductor Rsc	47,987.50
28 Laws, E.	Chancellor's Office	Accelerated Research Commercialization	3,563.00
29 Leong, J.	SOEST - HIMB	Waste Water Treatment System (HIMB)	13,000.00
30 Lezzi, J.	College of Arts & Humanities	Kyogen Project 2002 - 2003	11,285.00
31 Mackenzie, F.	School of Ocean & Earth Science & Technology	GES Support From URC - 12/02/02	3,000.00
32 Maynard, S.	College of Natural Sciences	MOP Secretarial Support	14,399.00
33 McArthur, H.	Chancellor's Office	2002 Student Excellence in Research	1,500.00
34 McArthur, H.	Chancellor's Office	2002 - 2003 Community of Science Membership	9,603.00

**Table 4. 2002 - 2003 Project Development Fund Awards**

<u>Principal Investigator</u>	<u>Awarded by Vice Chancellor for Research &amp; Graduate Education</u>	<u>Department</u>	<u>Purpose</u>	<u>Award Amount</u>
35 McArthur, H.	Chancellor's Office		Timor Assessment	15,471.12
36 McArthur, H.	Chancellor's Office		NSF Week	10,885.00
37 McArthur, H.	Chancellor's Office		National Endowment for Humanities	1,600.00
38 McArthur, H.	Chancellor's Office		Egyptian Mummy Project	10,000.00
39 McArthur, H.	Chancellor's Office		2003 Student Excellence in Research	2,000.00
40 McCreary, J.	School of Ocean & Earth Science & Technology		IPRC R-Funds for Dr. Raleigh Hood	12,634.00
41 Measures, C.	School of Ocean & Earth Science & Technology		GES Matching Funds	2,493.92
42 Moncur, J.	Water Resources Research Center		Travel National Institution Water Research Managements	9,000.00
43 Penshek, D.	Library Services		Web of Science Electronic Database	118,133.00
44 Raleigh, B.	School of Ocean & Earth Science & Technology		SOEST R-Fund - General	2,689.98
45 Rayner, M.	Pacific BioMedial Research Center		FSF - Salary	162,226.00
46 Rayner, M.	Pacific BioMedial Research Center		FSF - Bridging	252,293.00
47 Russo, G.	College of Social Science		HRSA Grant Research Support	25,000.00
48 Takekawa, R.	Facility, Grounds & Safety		FY 03 RTRF Travel - EHSO	5,200.00
49 Taylor, G. J.	SOEST - HIGP		RTRF Travel: G. Jeff Taylor	2,945.00
50 Teramura, A.	Lyon Arboretum		Lyon Arboretum Business Plan	10,325.00
51 Tokuda, K.	College of Education		RTRF Symposium & Engineering Fair	30,000.00
		<b><i>Sub Total</i></b>		<b>\$2,021,066.83</b>
		<b><i>Grand Total</i></b>		<b><u>\$6,513,262.18</u></b>

TABLE 5. 2002 - 2003 Research Relations Fund Awards

<b>Principal Investigator</b>	<b>Rank</b>	<b>Title</b>	<b>Award Amount</b>
1 Crislip A	I-3	Monasticism and Medicine in Late Antiquity.	\$4,300.00
RELIGION DEPT - C ARTS & HUM			
2 Guo Q	I-3	"Ritual Opera and Mercantile Lineage: The Confucian Transformation of Popular Culture in Late Imperial Huizhou" and Archival Studies in Anhui, China.	\$4,000.00
HISTORY DEPT - C ARTS & HUM			
3 Huang W	I-3	Does stock market liberalization cause investment booms? Evidence from the Chinese A, B shares.	\$3,450.00
FIN ECON & INS DEPT - C OF BUS ADM			
4 Kim S Y	S-3	Children of Filipino Immigrants in Hawaii: Pubertal Transitions, Acculturation, and Adjustment.	\$3,000.00
FAMILY&CONSUMER SCI - C OF TA & HR			
5 Kozok U	I-3	New Evidence for Early Sumatran Scripts.	\$4,064.00
INDO PAC LANG DEPT - C OF L L L			
6 Maynard A E	I-3	Cultural Models of Cognition, Teaching, and Learning in the Zinacante Maya.	\$4,000.00
PSYCHOLOGY DEPT - C OF SOC SCI			
7 Park J-H	I-3	A Full-Scale Construction of Rudolph Schindler's Panel Post Construction System, 1933-42.	\$3,200.00
ARCH DEANS OFF - SCH OF ARCH			
8 Perkinson R R	I-3	The Long Shadow of Slavery: Texas Justice and the Imprisonment of a Nation.	\$4,000.00
AMER STUDIES DEPT - C ARTS & HUM			
9 Tricklin T	I-3	Research for community-based restoration of a native Hawaiian forest.	\$4,000.00
BOTANY DEPT - C OF NAT SCI			
10 Yoo T J	I-3	"Bodies That Matter: The Politics of Gender and Health in Colonial Korea"	\$2,565.00
HISTORY DEPT - C ARTS & HUM			
Total			\$36,579.00

**Table 6. 2002-2003 Special Project Funds**

<u>Principal Investigator</u>	<u>Department</u>	<u>Purpose</u>	<u>Award Amount</u>
1 Barnwell, J.	Library Services	International Association of Aquatic & Marine Science library Information Centers (IAMSPLIC) 28th Annual Conference	\$2,000.00
2 Forman, M.	College of Languages, Linguistics & Literature Dept. of Hawaiian & Indo-Pacific Languages & Literature	The 10th meeting of the Austronesian Formal Linguistics Association	3,000.00
3 Hoonchamlong, Y.	School of Arts & Humanities	The Southeast Asian Linguistics Society (SEALS) 13th Annual Meeting	935.00
4 Hughes, J.		Indian Philosophy Program	16,000.00
5 Littman, R.	College of Languages, Linguistics & Literature	Meeting of Key Researchers with the British Library, the University of Leipzig & the Monastery of St. Catherine's in Sinai of a Digital Edition of the Codex Sinaiticus	2,063.00
6 Littman, R.	College of Languages, Linguistics & Literature	Mummies of Bahariya Oasis Egypt: Health & Disease 3rd Century B.C. & To 3rd A.D.	15,000.00
7 Littman, R.	Literature	Mummy Research in Egypt	5,000.00
8 Logan, J.	Dept. of Languages & Literature of Europe & the Americas	The Writing, Individual & Society in Spain, the Americas & Puerto Rico - University of PR's 2nd International Conference in Arecibo, Puerto Rico	700.00
9 McArthur, H.	Chancellor's Office	Side Trip to Manila	564.86
10 Maglaya, M.	College of Opportunities Program	The 84th Annual Meeting of the American Educational Research Association	1,400.00
11 Miller, D.	Public Health Science & Epidemic	Mummy Research in Egypt	5,000.00
12 Wiri, R.	Dept. of Hawaiian & Indo-Pacific Languages & Literature	The Treaty of Waitangi: Judicial Conference	<u><u>2,000.00</u></u>
			<b><u><u>\$53,662.86</u></u></b>

**Table 7. 2002-2003 Vice President for Research Awards**

<u>Principal Investigator</u>	<u>Department</u>	<u>Purpose</u>	<u>Award Amount</u>
1 Kaneshiro, K.	Pacific BioMedial Research Center	Ecosystems Studies	\$10,000.00
2 Leong, J.	SOEST - HIMB	Evolutionary Genetics	10,000.00
3 Itoga, S.	Information & Computer Science	Information Technology for Environment Research	10,000.00
<b>Total</b>			<b><u>\$30,000.00</u></b>

## RESEARCH

TABLE 8

RESEARCH GRANTS AND CONTRACTS AWARDED COMPARATIVE BY MONTH												
MONTH	1997-98			1998-99			2000-01			2001-02		
	NUM	FISCAL YEAR DOLLARS	NUM	FISCAL YEAR DOLLARS	NUM	FISCAL YEAR DOLLARS	NUM	FISCAL YEAR DOLLARS	NUM	FISCAL YEAR DOLLARS		
JUL	35	\$5,895,988	33	\$3,010,082	23	\$5,948,464	31	\$4,655,361	32	\$2,561,355	39	\$4,616,800
AUG	53	\$6,224,647	67	\$10,358,687	63	\$11,096,898	62	\$12,010,884	88	\$6,162,893	91	\$19,931,675
SEP	72	\$7,200,943	58	\$9,432,647	88	\$12,196,257	84	\$16,994,359	86	\$15,965,457	90	\$11,536,711
OCT	84	\$9,056,727	74	\$13,361,071	88	\$11,766,061	108	\$22,408,534	142	\$31,703,142	157	\$40,001,578
NOV	57	\$8,017,515	48	\$9,355,966	60	\$5,859,266	68	\$5,439,428	77	\$7,676,135	56	\$11,841,983
DEC	44	\$4,839,681	52	\$6,073,027	58	\$6,544,662	61	\$5,630,187	56	\$6,226,418	63	\$11,898,887
JAN	58	\$4,538,579	48	\$8,280,468	55	\$6,160,157	51	\$5,192,917	70	\$8,692,345	42	\$8,219,858
FEB	70	\$8,976,747	46	\$4,240,175	63	\$7,342,303	76	\$10,078,632	56	\$6,998,426	54	\$7,597,140
MAR	57	\$6,760,708	62	\$7,199,937	42	\$4,713,422	63	\$11,294,058	66	\$5,810,480	61	\$15,664,353
APR	67	\$11,789,489	54	\$5,672,918	54	\$6,119,254	52	\$7,827,944	66	\$9,869,726	73	\$14,561,266
MAY	51	\$5,707,419	65	\$4,801,700	52	\$8,519,890	52	\$10,486,428	64	\$16,242,137	87	\$15,555,180
JUN	115	\$12,738,545	100	\$10,950,967	121	\$16,578,376	114	\$19,218,213	155	\$22,760,125	135	\$26,156,694
	763	\$91,746,988	707	\$92,737,645	767	\$102,845,010	822	\$131,236,975	958	\$140,668,639	948	\$187,581,925
FIRST 12 MONTHS OF PREVIOUS YEARS FOR COMPARISON										ORS DATA - 14-Oct-03		
	763	\$91,746,988	707	\$92,737,645	767	\$102,845,010	822	\$131,236,975	958	\$140,668,639	948	\$187,581,925

This five-year comparison of data does not reflect the adjustments made to previous months. Current data can be provided upon request.  
 This comparison is reconciled at the end of the fiscal year for inclusion in the Annual Report and does not reflect any adjustments made to the current year.

NON - RESEARCH  
TABLE 9  
NON-RESEARCH AND SPECIAL PROJECTS GRANTS AND CONTRACTS AWARDED  
COMPARATIVE BY MONTH

MONTH	NUM	1997-98		1998-99		1999-00		2000-01		2001-02		2002-03	
		FISCAL YEAR DOLLARS	NUM										
JUL	27	\$4,220,132	26	\$3,915,258	26	\$3,734,498	18	\$2,073,293	24	\$8,537,001	21	\$3,047,480	
AUG	46	\$6,069,798	40	\$4,744,200	57	\$7,629,989	56	\$8,053,865	61	\$7,628,935	88	\$18,573,309	
SEP	31	\$2,626,513	52	\$7,511,819	83	\$7,666,095	56	\$12,270,269	59	\$15,581,849	68	\$17,956,540	
OCT	63	\$6,968,502	43	\$9,674,899	56	\$10,366,370	65	\$9,424,152	70	\$6,671,828	87	\$15,559,245	
NOV	54	\$11,922,675	48	\$6,658,241	55	\$13,231,226	45	\$4,702,782	101	\$12,434,266	44	\$6,197,729	
DEC	26	\$2,016,806	39	\$3,700,081	46	\$6,573,283	20	\$1,218,152	43	\$7,279,176	32	\$6,803,061	
JAN	32	\$4,168,627	25	\$1,534,629	22	\$1,364,579	31	\$5,184,526	26	\$5,547,900	28	\$2,751,371	
FEB	41	\$6,199,799	41	\$3,399,981	42	\$4,813,221	50	\$7,272,850	44	\$8,193,244	36	\$8,751,641	
MAR	32	\$2,279,280	42	\$8,278,758	37	\$4,058,680	28	\$4,520,561	37	\$4,253,434	36	\$5,123,904	
APR	49	\$5,047,453	41	\$4,741,073	50	\$4,027,917	41	\$4,870,710	28	\$3,337,253	27	\$11,304,754	
MAY	46	\$5,097,835	39	\$4,821,778	49	\$5,662,593	39	\$6,309,406	46	\$4,257,042	53	\$4,167,963	
JUN	90	\$11,584,294	111	\$12,449,739	86	\$6,823,385	92	\$14,593,633	92	\$21,483,968	110	\$14,313,192	
	537	\$68,201,824	547	\$71,430,456	609	\$75,951,836	541	\$80,494,199	631	\$105,205,896	630	\$114,550,189	

## FIRST 12 MONTHS OF PREVIOUS YEARS FOR COMPARISON

537	\$68,201,824	547	\$71,430,456	609	\$75,951,836	541	\$80,494,199	631	\$105,205,896	630	\$114,550,189
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ORS DATA - 14-Oct-03

This five-year comparison of data does not reflect the adjustments made to previous months. Current data can be provided upon request.  
 This comparison is reconciled at the end of the fiscal year for inclusion in the Annual Report and does not reflect any adjustments made to the current year.

## SUMMARY

TABLE 10

RESEARCH AND NONRESEARCH GRANTS AND CONTRACTS AWARDED  
COMPARATIVE BY MONTH

MONTH	1997-98 FISCAL YEAR DOLLARS	1998-99 FISCAL YEAR DOLLARS		1999-00 FISCAL YEAR DOLLARS		2000-01 FISCAL YEAR DOLLARS		2001-02 FISCAL YEAR DOLLARS		2002-03 FISCAL YEAR DOLLARS	
		NUM	-----								
JUL	62	\$10,116,120	59	\$6,925,340	49	\$9,682,962	49	\$6,728,654	56	\$11,098,356	60
AUG	99	\$12,294,355	107	\$15,102,887	120	\$18,726,887	118	\$20,064,749	149	\$13,791,828	179
SEP	103	\$9,827,456	110	\$16,944,466	171	\$19,862,352	140	\$29,264,658	145	\$31,547,306	158
OCT	147	\$16,025,229	117	\$23,035,970	144	\$22,132,431	173	\$31,832,686	212	\$38,374,970	244
NOV	111	\$19,940,190	96	\$16,014,207	115	\$19,090,492	113	\$10,142,210	178	\$20,110,401	100
DEC	70	\$6,856,487	91	\$9,773,108	104	\$13,117,945	81	\$6,848,339	99	\$13,505,594	95
JAN	90	\$8,707,206	73	\$9,815,097	77	\$7,524,736	82	\$10,377,443	96	\$14,240,245	70
FEB	111	\$15,176,546	87	\$7,640,156	105	\$12,155,524	126	\$17,351,482	100	\$15,191,670	90
MAR	89	\$9,039,988	104	\$15,478,695	79	\$8,772,102	91	\$15,814,619	103	\$10,063,914	97
APR	116	\$16,836,942	95	\$10,413,991	104	\$10,147,171	93	\$12,698,654	94	\$13,206,979	100
MAY	97	\$10,805,254	104	\$9,623,478	101	\$14,182,483	91	\$16,795,834	110	\$20,489,179	140
JUN	205	\$24,322,839	211	\$23,400,706	207	\$23,401,761	206	\$33,811,846	247	\$44,244,093	245
	1300	\$159,948,612	1254	\$164,168,101	1376	\$178,796,846	1363	\$211,731,174	1,589	\$245,874,535	1,578
<b>FIRST 12 MONTHS OF PREVIOUS YEARS FOR COMPARISON</b>											
	1300	\$159,948,612	1254	\$164,168,101	1376	\$178,796,846	1363	\$211,731,174	1,589	\$245,874,535	1,578

This five-year comparison of data does not reflect the adjustments made to previous months. Current data can be provided upon request.  
 This comparison is reconciled at the end of the fiscal year for inclusion in the Annual Report and does not reflect any adjustments made to the current year.

ORS DATA - 14-Oct-03