



UNIVERSITY OF HAWAI'I SYSTEM

REPORT

REPORT TO THE 2003 LEGISLATURE

ANNUAL REPORT ON THE
RESEARCH AND TRAINING REVOLVING FUND
2001-2002
AS REQUIRED BY HRS 304-8.1

November 2002

**ANNUAL REPORT ON THE
RESEARCH AND TRAINING REVOLVING FUND
2001/2002**

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 2001-2002 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 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, \$20,904,787 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 \$500,000 was allocated to the fund and distributed as follows:

1. Seed Money Program. \$100,000.

The University Research Council (Council) reviewed 32 seed money requests totaling \$321,162.45. It made 12 awards totaling \$116,230 or 36% of the amounts requested. Table 1 lists the Seed Money recipients.

2. Professional Travel. \$400,000.

The Council reviewed 280 travel requests totaling \$471,412.03. It made 225 awards totaling \$327,999.67 or 74% of the amounts requested. Table 2 lists the Professional Travel recipients.

Allocation for 2002-2003:

To be determined.

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 \$8,497,588 was allocated to the fund. Table 3 lists the distribution by unit.

Allocation for 2002-2003:

To be determined.

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 \$8,583,022 was allocated to the fund and distributed as follows:

The following amounts were designated for research infrastructure, \$4,395,258: \$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, \$450,000 for system wide research support, \$250,489 for animal and human subjects compliance, and \$612,000 for Maui Super Computer proposal and management fees.

Project Development funds were also awarded to facilitate research and training in new or developing fields. The Interim Chancellor made 21 awards totaling \$4,026,150. The Interim Vice Chancellor made 17 awards totaling \$442,909.22. Table 4 lists the Project Development Fund recipients.

Allocation for 2002-2003:

To be determined.

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. \$147,240.

The Council approved funding for 29 projects totaling \$79,695.45. Table 5 lists the Research Relations Fund recipients.

Special Projects Fund. \$10,000.

The Council approved funding for 6 projects totaling \$19,365. Table 6 lists the Special Projects Fund recipients.

Allocation for 2002-2003:

To be determined.

E. Administrative Allocation (Previously allocated to faculty housing and discoveries and inventions)

A total of \$3,166,937 was allocated and distributed as follows: \$1,278,000 for faculty housing assistance and \$423,600 for discoveries and inventions. In addition, the following amounts were allocated to the following programs for research and training related expenditures: \$800,000 for Information Technology Services, \$100,000 for University Connections, \$50,000 for Vice President for

Planning and Policy, \$48,278 for accreditation and memberships, and \$465,363 for legal fees.

Allocation for 2002-2003:

To be determined.

F. Summary of Allocations, Expenditures & Commitments

Category	Allocation	Carry- Forwards	Total Available	Expenditures FY 2001-2002	Committed to be Spent	Available Balance
Seed Money	100,000	170,827	270,827	111,321	159,506	-
Professional Travel	400,000	257,586	657,586	364,018	293,568	-
Facilitating Services	8,497,588	10,122,906	18,620,494	8,658,613	9,961,881	-
Project Development Fund	8,583,022	6,522,786	15,105,808	7,169,564	7,936,244	-
Equipment Matching	-	18,790	18,790	17,220	1,570	-
Fund Administration	-	6,613	6,613	6,397	216	-
Research Relations Fund	147,240	87,644	234,884	93,430	141,454	-
Special Projects Fund	10,000	22,394	32,394	18,790	13,604	-
Administrative Allocation	3,166,937	-	3,166,937	594,900	2,572,037	-
Total	20,904,787	17,209,546	38,114,333	17,034,253	21,080,080	-

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, 5 faculty members who had received support from the Revolving Fund have received awards from extramural sources totaling \$998,062.

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 \$11,402,583.

III. TOTAL EXTRAMURAL SUPPORT FOR RESEARCH/TRAINING, 2001-2002

Attached are two summary tables, Table 7 for research and Table 8 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 2001-2002, 958 research awards worth \$140,668,639 and 631 training awards worth \$105,205,896 were received. In addition, the Hilo Campus separately reported receipt of 13 research awards totaling \$1,206,383 and 27 training awards totaling \$5,289,559.

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,



Marvin S. Enokawa

Director, Office of Research Services

Attachments

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TABLE 1. 2001 - 2002 SEED MONEY AWARDS

	Name	Rank	Department	Title of Project	Awarded Amount
1	Alarcon V B	R-3	ANAT & REP BIOL DEPT - C OF HLTH SCI &	Body patterning in mammalian embryos.	\$6,500.00
2	de Couet H G	I-4	ZOOLOGY DEPT - C OF NAT SCI	Targeted gene knockdown in the cephalopod <i>Euprymna scolopes</i> .	\$10,160.00
3	Erdem G	I-3	PEDIATRICS DEPT - C OF HLTH SCI & S W	Molecular Epidemiology and Adhesion Molecules of Group A Streptococcal Isolates in Hawaii, in Relation to the Increased Acute Rheumatic Fever Incidence.	\$12,000.00
4	Gaidos E	I-3	GEOLOGY & GEOPHYSICS - RES & DEAN	Microbiology of Methane and Nitrous Oxide Production in the Ka'u Crater Wetland, O'ahu, Hawai'i.	\$7,500.00
5	Kim A S	I-3	CIVIL ENGINRG DEPT - C OF ENGINRG	Analytic Expression of Hydrodynamic Interaction Tensors for Two Permeable Spheres with Uniform Porosity Distribution and Adlayer.	\$7,070.00
6	Morgan R	I-3	MUSIC DEPT - C ARTS & HUM	The Manoa Trio.	\$5,200.00
7	Pawlak G	I-3	OCEAN AND RES ENGR - RES & DEAN OF	Field Observations of Wave Flow over a Rough Boundary.	\$12,000.00
8	Robinow S	I-4	ZOOLOGY DEPT - C OF NAT SCI	<i>Drosophila</i> as a model to study diseases that affect human vision: Determining the biological function of the FAX-1 gene.	\$13,800.00
9	Su W W	I-4	MOL BIOSCI&BIOSYS EG - C OF TA & HR	A Novel Plant Cell Microarray for High-Throughput Analysis of Gene Functions.	\$14,000.00
10	Takahashi L	I-3	PSYCHOLOGY DEPT - C OF SOC SCI	Neurobiology of decision-making.	\$12,000.00
11	Wright M G	S-3	PLT&ENVIRON PROT SCI - C OF TA & HR	Population genetics, crop and alternative habitat use and insecticide resistance in <i>Thysanoptera</i> pests of Hawaiian tropical fruits and other crops: preliminary phase.	\$5,000.00
12	Yang G	I-3	SOCIOLOGY DEPT - C OF SOC SCI	How Does the Internet Matter for Civil Society in China?: Explaining Variation in Internet Use among Social Organizations.	\$11,000.00
				Total	\$116,230.00

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
1 Albertini T	I-4	PHILOSOPHY DEPT - C ARTS & HU	\$1,365.00	"Contractio' and 'Transumptio': How the Finite and the Infinite Do Meet in Nicholas of Cusa's Mathematics After All."
2 Allen R D	I-5	PAC BI RS CT - RES & DEAN OF GR	\$1,300.00	How the availability of Na ⁺ and K ⁺ affects fluid segregation by the contractile vacuole complex of Paramecium multimicronucleatum.
3 Anderson V B	I-3	LINGUISTICS DEPT - C OF L L L	\$1,300.00	(1) International Phonology of Ni'ihau Hawaiian; (2) Hawaiian substrate influence on intonation in Hawaiian Creole English; (3) Durational correlates of referential NPs in Tongan
4 Antolini D E	I-3	LAW DEANS OFF - SCH OF LAW	\$1,150.00	"Science, Politics, and Collaborative Problem Solving: A Workshop on Integrating Scientific and Technical Information in Collaborative Problem Solving for Agency Leaders"
5 Aoude I G	I-5	ETHNIC STUDIES PROG - C OF SO	\$800.00	Arabs in America: Historic Factors in Diasporic Identity.
6 Aquino B A	I-5	CTR PHILIPPINE STU - SCH OF HA	\$1,692.30	"In Search of the Filipino Middle Class"
7 Arambula-Greenfield T	I-4	WOMENS STUDIES PROG - C OF S	\$1,350.00	Gender differences in African-American student choices related to the sciences.
8 Ardolino F	I-5	ENGLISH DEPT - C OF L L L	\$1,600.00	The Influence of Books 2 and 5 of the Faerie Queene on the Spanish Tragedy.
9 Au W	R-5	HAW INST OF MAR BIO - RES & DE	\$2,000.00	Geographic variations in the whistle repertoire of Hawaiian spinner dolphins (Stenella longirostris).
10 Babcock R	I-4	CIVIL ENGINRG DEPT - C OF ENGI	\$1,400.00	Potential for decentralized residential treatment and reuse of wastewater in Hawaii.
11 Bacchilega C	I-5	ENGLISH DEPT - C OF L L L	\$1,970.89	"Specters and the Politics of Place"
12 Bachmann A S	I-3	CANCER CT HI - RES & DEAN OF G	\$2,000.00	A Possible New Role for Filamins in Natural Human IgM-mediated Apoptosis in Neuroblastoma.

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
13	Bail F T	I-5	EDUC PSYCHOLOGY DEPT - C OF	\$1,350.00	Changes in Reported Strategy Use of College Students During a Self-Regulated Learning Course.
14	Baker D	I-4	ENGLISH DEPT - C OF L L L	\$1,146.00	British History/British Criticism: Remarks on a Disciplinary Intersection
15	Barnes B E	I-4	INSTITUTE FOR PEACE - C OF SOC	\$1,808.00	"Pacific Model Facilitation, Conferencing and Dialogues: Culturally Appropriate Tools for Preventing, Managing and Transforming Conflicts Regarding Sovereignty in Post-Colonial National States in the Central and South Pac"
16	Bartlett A	I-4	TEACH ED & CURR STU - C OF ED	\$1,150.00	Using Electronic Portfolios to Improve Literacy Teacher Education.
17	Berg K F	I-3	TEACH ED & CURR STU - C OF ED	\$1,350.00	The Role of Reflection on Preservice Teachers' Development of Expertise in the Context of a Professional Development School.
18	Blanchard C	I-5	PAC BI RS CT - RES & DEAN OF GR	\$2,000.00	Behavioral and Pharmacological Characterization of Defensive Responses.
19	Blanchard R J	I-5	PSYCHOLOGY DEPT - C OF SOC S	\$2,000.00	Social stress of agonistic interaction: The visible burrow system (IBNS).
20	Blust R A	I-5	LINGUISTICS DEPT - C OF L L L	\$1,997.00	1) The history of faunal terms in Austronesian languages and 2) Vowelless words in Selau.
21	Brandes H	I-4	CIVIL ENGINRG DEPT - C OF ENGI	\$2,000.00	Numerical Modeling of Seabed Liquefaction Due to Surface Water Waves.
22	Brislin T J	I-5	JOURNALISM DEPT - C OF SOC SC	\$1,797.00	Empowerment as a University Ethnic in Global Journalism.
23	Brown J D	I-5	SECOND LANG STUDIES - C OF L L	\$1,350.00	Personality, motivation, anxiety, strategies, and language proficiency of Japanese and Brazilian university students.
24	Brown R	I-5	MATHEMATICS DEPT - C OF NAT S	\$699.00	Dynamical Systems Arising from Professor Ducci's Observation.
25	Caron J E	I-4	ENGLISH DEPT - C OF L L L	\$1,400.00	"Washoe Mark Twain"

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
26	Carpenter J R	R-4	HUM NUTR,FD&ANML SCI - C OF T	\$1,400.00	"Effects of method of storage on protein and fiber fractions, and in situ digestibility of kikuyu grass (<i>Pennisetum clandestinum</i>) and guinea grass (<i>Panicum maximum</i>)."
27	Chan G	I-5	ART DEPT - C ARTS & HUM	\$1,188.00	Chimaera
28	Chandler P M	I-4	LANG&LIT EUROPE&AM - C OF L L	\$2,000.00	La lectura: el caso de las lenguas extranjeras en Estados Unidos.
29	Chang F H	S-4	PAC BI RS CT - RES & DEAN OF GR	\$1,284.00	Association of Smoking Behavior with Depressive Symptoms Among an Ethnically Diverse Hawaii Population
30	Chang S-D	I-5	GEOGRAPHY DEPT - C OF SOC SC	\$2,000.00	China's Water Diversion Scheme and its Environmental and Geopolitical Implications.
31	Cheang M	I-3	CENTER ON AGING - ACADEMIC A	\$1,300.00	Encouraging volunteerism in older adults using Stages of Change-based strategies.
32	Chen Y-L	I-5	METEOROLOGY - RES & DEAN OF	\$1,350.00	Impact of trade-wind strength on the windward rainfall and circulation over the island of Hawaii.
33	Cheng C-Y	I-5	PHILOSOPHY DEPT - C ARTS & HU	\$1,350.00	Religious Pluralism & Spiritual Transcendence: Two Themes & Two Problems in Religious Epistemology.
34	Cheng E D H	I-5	CIVIL ENGINRG DEPT - C OF ENGI	\$1,960.00	Generalized Extreme Gust Wind Speeds Distributions.
35	Chesney-Lind M	I-5	WOMENS STUDIES PROG - C OF S	\$1,400.00	"Girls' Delinquency and Violence: Making the Case for Gender Responsive Programming."
36	Chu P-S	I-5	METEOROLOGY - RES & DEAN OF	\$1,350.00	Decadal variations of tropical cyclone activity over the central North Pacific.
37	Cohn J	I-4	E A LANG & LIT DEPT - C OF L L L	\$830.00	Senryu Lives: Traditional Satire in Contemporary Japan.
38	Cook H M	I-4	E A LANG & LIT DEPT - C OF L L L	\$1,280.71	Pragmatic Judgments on Politeness: A Case Study of 400-level JFL Students.
39	Csordas G L E	I-5	MATHEMATICS DEPT - C OF NAT S	\$2,000.00	Complex zero decreasing sequences and the Riemann Hypothesis II.

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
40	Dalmiya V	I-3	PHILOSOPHY DEPT - C ARTS & HU	\$2,000.00	1. "Caught In The Net: Feminism & Quinean Naturalisation" 2. "Knowing Goddesses, Mothering Nature"
41	Daniel M	I-3	HISTORY DEPT - C ARTS & HUM	\$1,976.00	"The Characters of Men": Interrogating Identity in Eighteenth-Century Anglo-American Political Culture.
42	Daniels J	I-5	COUNSELOR EDUC DEPT - C OF E	\$1,100.00	Multicultural Training and Social Advocacy in Counseling Psychology.
43	Dawson R	I-5	WOMENS STUDIES PROG - C OF S	\$755.00	Eighteenth-Century Libertinism in a Time of Change: Representations of Catherine The Great.
44	De Carlo E H	R-4	OCEANOGRAPHY - RES & DEAN O	\$1,500.00	Comparison of redox-controlled trace metal and rare earth cycling in the water column of the eastern tropical N. Pac and an Antarctic lake.
45	de Couet H G	I-4	ZOOLOGY DEPT - C OF NAT SCI	\$1,650.00	1. Hox gene expression and AP axis formation in the sepiolid squid, Euprymna scolopes and 2. Pax-6 in the sepiolid squid Euprymna scolopes: evidence for a role in eye, sensory organ, and brain development.
46	Desser D	I-3	ENGLISH DEPT - C OF L L L	\$1,365.00	"Mentoring a Student Webzine: Minding Differences of Identity in Production, Planning, and Purpose"
47	Dias A	I-4	LANG&LIT EUROPE&AM - C OF L L	\$1,032.00	"Etica y estetica en las decimas de Carlo Mario Fraticelli: trovador boricua de Hawaii"
48	Doughty C	I-4	SECOND LANG STUDIES - C OF L L	\$1,400.00	Focus on Form: Cognitive Underpinnings and Pedagogical Choices.
49	Douglas J T	I-5	MICROBIOLOGY DEPT - C OF NAT	\$1,465.00	Tracking the Manila Family of Mycobacterium tuberculosis across the Pacific.
50	Drexler D	I-4	ART DEPT - C ARTS & HUM	\$1,350.00	Research in the 21st Century: Practical and Professional Issues for Studio Art and Art History.

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
51	Duong Tran Q	I-3	SCH SOC WORK - C OF HLTH SCI &	\$2,000.00	(1) Ethnocultural Variation and Psychometric Study of the CES-D Scale & (2) A Case Study of the Coping with Depression Course: Research Implications for Culturally Different Adolescents.
52	Eades D	I-4	SECOND LANG STUDIES - C OF L L	\$1,350.00	Lexical struggle in the courtroom contest between Aboriginal Australians and the state.
53	Ericson D P	I-5	EDUC FOUNDATIONS - C OF EDUC	\$1,350.00	1) "The Question of the Student in Educational Reform" and 2) "Misleading the Students: Conceptual Difficulties in Woolfolk's Account of Motivation"
54	Espiritu P C	I-3	TEACH ED & CURR STU - C OF ED	\$1,100.00	Becoming Multicultural Educators: Uniting Mind & Soul Through Ethnic History and Cultural Knowledge.
55	Etkin N L	I-5	ANTHROPOLOGY DEPT - C OF SO	\$1,300.00	One Hundred Years of Paradigmatic Shifts in the Bioscience of Food: Implications for the Anthropology of Food and Nutrition.
56	Falgout S	I-5	WEST HI UHH - ACADEMIC AFF UH	\$1,425.00	"Full Circle: The Changing "Field" of Pohnpei, Micronesia"
57	Fisher E	I-3	THEATRE & DANCE DEPT - C ARTS	\$1,400.00	"Rosalia Chladek: Protagonist of Ausdruckstanz"
58	Foley D	I-4	URB & REG PLAN DEPT - C OF SO	\$1,305.00	The Power of the Circle: Transforming Communication.
59	Franke A	S-4	CANCER CT HI - RES & DEAN OF G	\$1,300.00	Liquid Chromatographic Analysis of Dietary Phytoestrogens including Isoflavonoids, Flavonoids and Lignans in Foods and Human Body Fluid.
60	Franklin C	I-4	ENGLISH DEPT - C OF L L L	\$1,050.00	"Race, Pedagogy, and Power in Jane Tompkins' A Life in School".
61	Freese A	S-5	TEACH ED & CURR STU - C OF ED	\$1,350.00	Reframing one's teaching through reflection and inquiry.
62	Fuchs M	I-4	ENGLISH DEPT - C OF L L L	\$1,300.00	"Performing Artemisia"

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
63	Fujitani S S	C-3	HUMANITIES - KAPIOLANI CC	\$1,600.00	First-Year College Level Chinese Instruction on Television.
64	Fuller M	R-5	HI INST OF GEOP-PLTY - RES & DE	\$2,000.00	Rock Magnetism and Paleomagnetism of Martian Meteorite ALH84001.
65	Gangnes B S	I-4	ECONOMICS DEPT - C OF SOC SCI	\$1,100.00	"A Structural Approach to Evaluating Japanese Import Promotion Policies."
66	Garcia M O	I-5	GEOLOGY & GEOPHYSICS - RES &	\$1,465.00	Volatiles in glasses from Mauna Loa Volcano, HI: Implications for Magma degassing and contamination and growth of Hawaiian volcanoes.
67	Ghazali C W	I-5	PUB HLTH SCI DEPT - C OF HLTH S	\$1,350.00	"Differences in Dietary Intake of the Multi-Ethnic Population of Hawaii "
68	Gotay C	R-4	CANCER CT HI - RES & DEAN OF G	\$2,000.00	Quality of life in long-term prostate cancer survivors and their spouses, and Impact of second primary cancer on quality of life in breast cancer survivors.
69	Grace D J	I-3	TEACH ED & CURR STU - C OF ED	\$1,400.00	Emergent Literacy Development: Investigating the Intersection of Culture, Community and Curriculum in a K-3 school in Hawaii.
70	Greaney T M	I-3	ECONOMICS DEPT - C OF SOC SCI	\$1,306.00	Network Effects as the Source of Asymmetric Trade and Foreign Direct Investment Flows.
71	Griffith D A	I-4	MARKETING DEPT - C OF BUS ADM	\$1,300.00	Factors Influencing Program Standardization of Advertising: An Empirical of US Multinational Activities in India
72	Guan L	I-3	SCH OF ACCOUNTANCY - C OF BU	\$1,300.00	"The Impact of Relative Information Quality of E-Commerce Assurance Seals on Internet Purchasing Behavior."
73	Hac A	I-5	ELECT ENGINRG DEPT - C OF ENG	\$2,000.00	Handoff Scheme Improvement in Wireless Networks.
74	Harada V H	I-4	INFO & COMP SCI DEPT - C OF NA	\$1,998.00	Building understanding of the information search process through student journal writing.

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
75	Harwell D E	I-3	CHEMISTRY DEPT - C OF NAT SCI	\$1,400.00	Effects of Surface-Passivation and Size on Si Nanoparticle Photoluminescence.
76	Hawkins E	I-4	INDO PAC LANG DEPT - C OF L L L	\$1,500.00	Two Postposed Particles Ana in Hawaiian, or One?
77	Heiby E M	I-5	PSYCHOLOGY DEPT - C OF SOC S	\$1,600.00	1) Psychometric valuation of the Adult Life Adjustment Schedule for Depression. 2) Prescription privileges for psychologists in the United States: Should Psychology Medicalize?
78	Hetzler R K	I-4	KINESI & LEISURE SCI - C OF EDU	\$1,365.00	Allometric scaling of the Wingate Anaerobic Power in college-aged females.
79	Hihara L H	I-4	CIVIL ENGINRG DEPT - C OF ENGI	\$1,500.00	Overview on Corrosion of Metal Matrix Composites.
80	Hoffmann K	I-4	LANG&LIT EUROPE&AM - C OF L L	\$2,000.00	"Slipped Vision: Reading Marvels in the Seventeenth Century"
81	Hoonchamlong Y	I-3	INDO PAC LANG DEPT - C OF L L L	\$1,000.00	Karaoke in Teaching of Languages and Cultures with Non-Roman Scripts.
82	Horton K A	R-3	HI INST OF GEOP-PLTY - RES & DE	\$2,000.00	FLYSPEC: Expanding Options for Low-cost Instruments to Monitor Volcanic Gas Emissions.
83	Host-Madsen A	I-3	ELECT ENGINRG DEPT - C OF ENG	\$2,000.00	Performance Bounds for Blind and Group-Blind Multiuser Detectors in Multipath Channels.
84	Houghton B	I-5	GEOLOGY & GEOPHYSICS - RES &	\$1,600.00	Complex transitions between eruption/transport regimes during the Plinian eruptions of 1912 at Novarupta, Alaska.
85	Hu J	R-4	PLT&ENVIRON PROT SCI - C OF TA	\$1,400.00	Molecular diversity of pineapple mealybug wilt associated closteroviruses.
86	Huang W	I-3	FIN ECON & INS DEPT - C OF BUS	\$1,350.00	The Index Effect on Stock Prices and Trading Volumes: International Evidence.
87	Iding M	I-4	EDUC PSYCHOLOGY DEPT - C OF	\$1,549.00	1. Critical Evaluation of Scientific Websites by High School Students, and 2. Machine Interviewing for Assessing Student Learning: Automatic Interviewer and Past Recorder Technology.

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
88	Itano J	I-4	NURSING DEPT - C OF HLTH SCI &	\$1,100.00	Culture Across the Curriculum.
89	Ito K	I-4	MGMT & IR DEPT - C OF BUS ADM	\$1,300.00	Changes in Corporate Resources and Structures in Japan.
90	Jameson D M	I-5	GEN & MOL BIOL DEPT - C OF HLT	\$2,000.00	Fluorescence Correlation Spectroscopy In Vivo and In Vitro Studies of GFP-Yeast Ribosomal Stalk Proteins.
91	Johnson D T	I-3	SOCIOLOGY DEPT - C OF SOC SCI	\$1,300.00	Police Misconduct in Los Angeles (and Japan).
92	Jolly K L	I-4	HISTORY DEPT - C ARTS & HUM	\$2,000.00	"Signing and Scaralizing Space"
93	Kanno K	I-4	E A LANG & LIT DEPT - C OF L L L	\$1,350.00	Processing of gaps in second language acquisition.
94	Katz A R	I-4	PUB HLTH SCI DEPT - C OF HLTH S	\$1,150.00	Prevalence of chlamydia and gonorrhea among females in a juvenile detention facility, Honolulu, Hawaii.
95	Kelleher T A	I-3	COMMUNICATION DEPT - C OF SO	\$1,400.00	"On Asynchronous Learning Networks an In-Class Discussions"
96	Kennedy K	I-3	MUSIC DEPT - C ARTS & HUM	\$1,394.00	Festival of Choirs, featuring choirs from the City of Stockholm.
97	Kent N J	I-5	ETHNIC STUDIES PROG - C OF SO	\$1,150.00	The Promise of Service Learning for Promoting Intergroup Understanding and Greater Campus Diversity.
98	Kim A S	I-3	CIVIL ENGINRG DEPT - C OF ENGI	\$1,500.00	Aggregate Formation and Collision Efficiency in Differential Settling.
99	Klingebiel K	I-4	LANG&LIT EUROPE&AM - C OF L L	\$2,000.00	"La Nomination des anonymes medieviaux"
100	Koikari M	I-3	WOMENS STUDIES PROG - C OF S	\$1,300.00	Politics of Nation, Body, and Secuality in the US Occupation of Japan.
101	Kondo S	S-4	LAB ANML SV - RES & DEAN OF GR	\$1,400.00	"Web-based Training and Assessment for Care and Use of Animals"
102	Kondo-Brown K	I-3	E A LANG & LIT DEPT - C OF L L L	\$1,210.00	Analysis of the validity of interview processes for child L2 examinees.
103	Kozok U	I-3	INDO PAC LANG DEPT - C OF L L L	\$1,350.00	New Approaches in the Teaching of Indonesian at the University of Hawaii.

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
104	Kratky B A	R-5	TROP PLAN&SOIL SCI - C OF TA &	\$1,150.00	Shading and periodic replacement of nutrient solution improve production of hydroponically-grown watercress.
105	Krishna S	I-4	POLITICAL SCI DEPT - C OF SOC S	\$460.00	Methodical Worlds: India's Partition in Comparative Context.
106	Kudo E T	I-5	MUSIC DEPT - C ARTS & HUM	\$1,350.00	WOODEN for Clarinet and Piano.
107	Kuroda Y	I-5	POLITICAL SCI DEPT - C OF SOC S	\$1,064.00	Americans, Arabs, and Japanese in Humanity Perspective.
108	Lai M K	P13	CRDG - RES & DEAN OF GRAD DIV	\$1,400.00	Using GIS and the U.S Census for Collecting, Organizing, Analyzing, and Presenting Evaluation Data.
109	Lee Y-J	I-4	SOCIOLOGY DEPT - C OF SOC SCI	\$1,320.00	(1) Pathways between socioeconomic status and health in Korea: Observed and unobserved family effects (2) Gender differences in the effects of family SES on health in Korea.
110	Leung P	R-5	MOL BIOSCI&BIOSYS EG - C OF TA	\$1,670.00	Comparative economics of land-based and off-shore culture of Pacific threadfin <i>Polydactylus sexfilis</i> in Hawaii.
111	Liener B	S-4	HI INST OF GEOP-PLTY - RES & DE	\$2,000.00	A 50MHz Logarithmic amplifier for use in lidar measurements.
112	Lin I B	I-3	MUSIC DEPT - C ARTS & HUM	\$1,200.00	Cello recital, strings workshops, and Master Classes
113	Littman R J	I-5	LANG&LIT EUROPE&AM - C OF L L	\$1,300.00	Pitfalls and Solutions in Translating Biblical Greek.
114	Liu C C K	I-5	CIVIL ENGINRG DEPT - C OF ENGI	\$2,000.00	System Development and Testing of Wind-Powered Reverse Osmosis Desalination for Remote Islands.
115	Logan J	I-4	LANG&LIT EUROPE&AM - C OF L L	\$1,400.00	Patriotic Discourse and Tourism: Mendoza, Between the Aconcagua and San Martin.
116	Maaka M J	I-4	TEACH ED & CURR STU - C OF ED	\$1,350.00	1) Literacy Learning and Teaching in Diverse Setting: Marewa Primary School, New Zealand 2) Literacy and the Colonization of Indigenous Peoples; 3) The Interface of New Standards, New

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
117	Mader A	I-5	MATHEMATICS DEPT - C OF NAT S	\$1,863.00	Literacies, and Teacher Prof. Dev...
118	Man G	I-5	ENGLISH DEPT - C OF L L L	\$1,051.94	Sharp Types Revisited. 1) The Multi-Protagonist Film: Textual Features. 2) Race in Pearl Harbor: Tokenism, Marginalization, and Absences of Local Narratives.
119	Manghani M	R-5	HI INST OF GEOP-PLTY - RES & DE	\$1,800.00	Elastic and Vibrational Properties of Hard and Superhard Materials Under High Pressure.
120	Marlow S E	I-4	EDUC ADMIN DEPT - C OF EDUC	\$1,350.00	Death, Dying and Death Education: Using Teachers' Experiences with the Death of a Student To Inform Curriculum.
121	Marsella J	I-5	ENGLISH DEPT - C OF L L L	\$1,300.00	Institutional Critique and Educational Transformation.
122	Maynard A E	I-3	PSYCHOLOGY DEPT - C OF SOC S	\$1,465.00	Maya Sibling Socialization of Movement in Everyday Learning Tasks.
123	Mazur M	I-3	SPEECH DEPT - C ARTS & HUM	\$1,276.00	"Lying to Mom and Dad: An Examination of Late Adolescents' Uses of Deception" and "Women in Parliamentary Debate: An Examination of Women's Performance at the NPDA National Tournament."
124	McClatchey W	I-3	BOTANY DEPT - C OF NAT SCI	\$1,700.00	"Strong Inference in Ethnobotany"
125	McEwan H	I-5	EDUC FOUNDATIONS - C OF EDUC	\$1,311.60	From Curriculum to Teaching: Narrative Theory in Education.
126	McFall-Ngai M	R-5	PAC BI RS CT - RES & DEAN OF GR	\$2,000.00	Early events in the establishment of the squid-vibrio symbiosis.
127	McHenry R	I-5	ENGLISH DEPT - C OF L L L	\$1,344.00	"Shakespeare's Dryden"
128	McNally M	I-3	HISTORY DEPT - C ARTS & HUM	\$1,241.50	Anti-Foreignism or Astronomy: Ideological Development in Late Tokugawa Nativism.
129	McReynolds L	I-5	HISTORY DEPT - C ARTS & HUM	\$1,300.00	Why I Killed: The Confessional Genre as an Appeal for Acquittal in Public Opinion.
130	Menton L K	I-4	CRDG - RES & DEAN OF GRAD DIV	\$1,300.00	The Rise of Modern Japan: Curriculum Materials for High School Students.
131	Milner N	I-5	POLITICAL SCI DEPT - C OF SOC S	\$775.00	"Rights as Excess: Accounting For Special Rights"

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
132	Ming L C	R-5	HI INST OF GEOP-PLTY - RES & DE	\$1,870.00	X-ray Diffraction Measurements of CuGeO ₃ under High Pressures to 81 GPa using Synchrotron Radiation and Imaging Plate.
133	Mobley J R	I-5	WEST HI UHH - ACADEMIC AFF UH	\$1,000.00	Population trend of humpback whales in Hawaiian waters: Results of 1993-2000 surveys.
134	Morgan R	I-3	MUSIC DEPT - C ARTS & HUM	\$1,450.00	Ronald Morgan, pianist, in Recital.
135	Moulin J F	I-5	MUSIC DEPT - C ARTS & HUM	\$1,291.86	Words of Tomorrow: "Spectacle" at the Festival of Pacific Arts.
136	Murphy S P	R-5	CANCER CT HI - RES & DEAN OF G	\$2,000.00	1) Changes in DRIs for the U.S. & Canada: Implications for Food and Nutrient Databases and 2) Changes in dietary quality for school children in Kenya.
137	Novotny R	I-5	HUM NUTR,FD&ANML SCI - C OF T	\$1,350.00	Asians have earlier menarche but lower dietary calcium intake than Whites and no difference in calcaneal broadband ultrasound attenuation.
138	Odin J K	I-4	LIBERAL STU - CL A&S DEANS	\$1,087.00	Minority Literatures and the Electronic Medium.
139	Odin S	I-5	PHILOSOPHY DEPT - C ARTS & HU	\$2,000.00	"Leap of Faith in Shinran & Kierkegaard"
140	Okamura J Y	I-3	ETHNIC STUDIES PROG - C OF SO	\$978.00	Asian American Studies in the Age of Transnationalism: Diaspora, Race, Community.
141	Olson T	I-4	NURSING DEPT - C OF HLTH SCI &	\$2,000.00	From Clinician to Client: The Lived Experience of Mental Illness.
142	Ooi P	I-3	CIVIL ENGINRG DEPT - C OF ENGI	\$2,000.00	Evaluating Compaction of Tropical Soils Using Soil Stiffness.
143	Otsuka Y	I-3	LINGUISTICS DEPT - C OF L L L	\$1,300.00	(1) Passive, Pro-drop, and Scrambling in Tongan (2) To raise or not to raise: a puzzle in Tongan & Durational correlates of referential NPs in Tongan.
144	Pakvasa S	I-5	PHYSICS & ASTRO DEPT - C OF NA	\$1,500.00	Neutrino Oscillations.

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
145	Park J-H	I-3	ARCH DEANS OFF - SCH OF ARCH	\$1,000.00	"Theme and Variations: A Comparative Analysis of Two Housing Designs" and "Two Theoretic Paintings"
146	Pateman M E	I-4	TEACH ED & CURR STU - C OF ED	\$1,400.00	Assessing Youth Risk Behaviors and School-Based Prevention Programs in Hawaii: Results from the Hawaii YRBS and the Hawaii SHEP
147	Pateman N A	I-5	TEACH ED & CURR STU - C OF ED	\$1,000.00	Teacher Knowledge and Mathematics.
148	Pauka K	I-3	THEATRE & DANCE DEPT - C ARTS	\$1,194.00	The Randai Circle Expands: Randai musical dance-drama from West Sumatra, Indonesia becomes part of an Asian Theatre Training Program.
149	Payne P D	I-3	ENGLISH DEPT - C OF L L L	\$1,365.00	"Claiming and Losing Local Identities"
150	Peters J D	I-4	ENGLISH DEPT - C OF L L L	\$1,300.00	Feminist Metafiction and Genre Parody in the Evolution of the British Novel.
151	Pietrusewsky M	I-5	ANTHROPOLOGY DEPT - C OF SO	\$2,000.00	The physical anthropology of the Pacific, East Asia, and Southeast Asia: a multivariate craniometric analysis.
152	Prevedourous P D	I-4	CIVIL ENGINRG DEPT - C OF ENGI	\$1,300.00	(1) Detailed Observations of Saturation Headways and Start-up Lost Times (2) Traffic Adaptive Control for Over-Saturated Isolated Intersections (3) Outcomes of a Politically Motivated Freeway off-ramp closure
153	Prins J	I-4	KINESI & LEISURE SCI - C OF EDU	\$1,990.00	Descriptive and Kinematic Analysis of Selected Aquatic Skills of Swimmers with Permanent Physical Disabilities and The Measurement of Applied Muscular Forces as a Means of Quantifying Resistances Used in Aquatic Exercise and Rehabilitation.
154	Prizzia R	I-5	WEST HI UHH - ACADEMIC AFF UH	\$1,350.00	Privatization and Social Responsibility: An International Perspective.
155	Ray C	I-4	CIVIL ENGINRG DEPT - C OF ENGI	\$2,000.00	Riverbank Filtration for Water Supply: An Alternative to Direct Intake of Surface Water.

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
156	Reese E S	I-5	ZOOLOGY DEPT - C OF NAT SCI	\$2,000.00	Animal Size and Social Organization: An Example from a Coral Reef Fish.
157	Rehg K L	I-4	LINGUISTICS DEPT - C OF L L L	\$784.00	On the Presence of Domesticated Animals in the Proto-Nuclear Micronesian Community.
158	Remus W	I-5	INFO TECH. MGMT. DEPT - C OF B	\$1,715.00	A Theory Based Examination in Organization.
159	Reynolds A K	I-5	E A LANG & LIT DEPT - C OF L L L	\$1,100.00	A Geisha's Human Rights or the Prime Minister's Scandal?--Media, Women, and Social Change
160	Ridgley M	I-5	GEOGRAPHY DEPT - C OF SOC SC	\$2,000.00	Goal Programming Models for Multiobjective Spatial Optimization.
161	Rieder J	I-5	ENGLISH DEPT - C OF L L L	\$1,300.00	Inventing the Mad Scientist: Victor Frankenstein and the Figure of Genius.
162	Roberts R C	I-3	PHILOSOPHY DEPT - C ARTS & HU	\$1,680.00	"Why Have The Injustices Perpetrated Against Blacks in America Not been Rectified?"
163	Robertson I	I-4	CIVIL ENGINRG DEPT - C OF ENGI	\$2,000.00	Repair of Slab-Column Connections Using CFRP.
164	Rodriguez N	I-4	SOCIOLOGY - HAWAII CC	\$1,188.00	Withholding Complaints in Everyday Life.
165	Rolett B V	I-4	ANTHROPOLOGY DEPT - C OF SO	\$1,350.00	Early Austronesian Seafaring in East Asia.
166	Rosene J M	I-4	KINESI & LEISURE SCI - C OF EDU	\$1,365.00	Effects of short-term,high-dosaage creatise supplementation on thermoregulation in females in a thermoneutral environment..
167	Ross D	I-5	MATHEMATICS DEPT - C OF NAT S	\$2,000.00	Nonstandard Measure Constructions - Examples and Problems.
168	Ruby E G	R-5	PAC BI RS CT - RES & DEAN OF GR	\$2,000.00	Motility and adaptation to the microenvironment during the initiation of a cooperative bacterial-animal association.
169	Salzman M	I-3	COUNSELOR EDUC DEPT - C OF E	\$2,000.00	Culture & The Construction of Meaning: Cultural Trauma and its Consequences.
170	Sansone F J	I-5	OCEANOGRAPHY - RES & DEAN O	\$1,835.00	Highly elevated methane in the Eastern Tropical North Pacific and the associated release of isotopically heavy

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
171	Sato M	I-5	ART DEPT - C ARTS & HUM	\$953.41	methane to the atmosphere.
172	Schroeder P A	I-3	LANG&LIT EUROPE&AM - C OF L L	\$1,100.00	(Creating a sculpture for the symposium) Transcolonization in Spain: The Case of 'Flowers from another world'.
173	Schultz S M	I-4	ENGLISH DEPT - C OF L L L	\$1,400.00	Poetry reading from Memory Cards and Adoption Papers, etc. Talk: Editing a Journal of Innovation Poetry in the Pacific.
174	Schwartz B D	I-4	SECOND LANG STUDIES - C OF L L	\$1,256.00	Pouring the fire with gasoline: Questioning conclusions on L2 argument structure.
175	Seff K	I-5	CHEMISTRY DEPT - C OF NAT SCI	\$1,000.00	Crystal Structure of a Cadmium Sorption Complex of Dehydrated Fully Cd(II)- Exchanged Zeolite X.
176	Shapiro M J	I-5	POLITICAL SCI DEPT - C OF SOC S	\$1,502.00	Film and Nation Building
177	Sharkey W F	I-4	SPEECH DEPT - C ARTS & HUM	\$1,244.99	1) Language use of visually impaired and sighted individuals. 2) Strategic use of self-embarrassment.
178	Sharma S	R-2	CANCER CT HI - RES & DEAN OF G	\$1,350.00	Consumption patterns of vegetables and fruits assessed as Pyramid Servings in a Multi-Ethnic Cohort
179	Sherry A C	I-4	EDUC TECHNOLOGY - C OF EDUC	\$1,400.00	International Ethnical Issues and Educational Technologists: Case Studies and AECT Advanced Program Standards and Web-Based Portfolio Develop.
180	Sileo T W	I-5	SPECIAL EDUC DEPT - C OF EDUC	\$1,300.00	HIV/AIDS Prevention Education: Considerations for the African American Youth and Young Adults
181	Silva N K	I-3	POLITICAL SCI DEPT - C OF SOC S	\$1,465.00	"Pele, Hi'iaka and Haumea: Images of Women in Hawaiian Literature"
182	Sipes B	R-4	PLT&ENVIRON PROT SCI - C OF TA	\$1,350.00	1) Protease Inhibitors and Reproduction of <i>Rotylenchulus reniformis</i> in Pineapple; and 2) Effect of a Systemic Acquired Resistance Inducer on Nematodes Infecting Pineapple.

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
183	Slaughter H B	I-5	TEACH ED & CURR STU - C OF ED	\$1,400.00	A Dialogic Approach to Evaluating the Emergent English Writing of Hawaiian Immersion Students: Culture, Context, and the Role of the Evaluator.
184	Smith C R	I-5	OCEANOGRAPHY - RES & DEAN O	\$2,000.00	Faunal succession on replicate deep-sea whale falls: time scales and vent-seep relationships.
185	Smith D	I-4	COUNSELOR EDUC DEPT - C OF E	\$2,000.00	Gender and Cultural Difference in Children's Experience and Expression of Anger.
186	Smith D C	I-4	COUNSELOR EDUC DEPT - C OF E	\$1,150.00	A Developmental Perspective on Children's Satisfaction at School.
187	Smith G J	I-3	SPECIAL EDUC DEPT - C OF EDUC	\$1,300.00	Summary of Educational Support Provisions for Students with Special Needs in Technical and Community College.
188	Soguk N	I-4	POLITICAL SCI DEPT - C OF SOC S	\$1,339.00	1) "Politics and Poetics of Re-Membering Indigenous Peoples in Global Politics." 2) "A New Oceania: Migrations, Diasporic Nationalism, and Identity in the Island Pacific."
189	Sohn H-m	I-5	E A LANG & LIT DEPT - C OF L L L	\$1,350.00	Language Purification Movement in the Two Koreas.
190	Sponsel L E	I-5	ANTHROPOLOGY DEPT - C OF SO	\$1,300.00	"How Has Ecology Transformed Anthropology During the Last 200 Years?"
191	Suryanata K	I-3	GEOGRAPHY DEPT - C OF SOC SC	\$1,601.00	Capturing Fugitive Resources in a Globalized Economy: The Case of Marine Aquaculture in Hawaii.
192	Synodinos N E	I-5	MARKETING DEPT - C OF BUS ADM	\$891.00	Telephone Surveys: Some Findings and Lessons from the U.S. Experience.
193	Tagawa K	R-3	PAC BI RS CT - RES & DEAN OF GR	\$1,550.00	Evolution of the Nervous System: Hemichordate as a model system.
194	Tamura E H	I-4	EDUC FOUNDATIONS - C OF EDUC	\$1,350.00	Asian Americans at the College of Hawaii, 1907-1920.

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
195	Tateyama Y	I-2	E A LANG & LIT DEPT - C OF L L L	\$1,105.20	Computers and writing exchange in an intermediate Japanese as a foreign language course.
196	Teng M H	I-4	CIVIL ENGINRG DEPT - C OF ENGI	\$1,635.00	Numerical Simulation of Storm Surge Generated by Hurricane Ewa in Hawaii.
197	Therault A	I-4	SCH OF MED - C OF HLTH SCI & S	\$1,350.00	Secretion of hepatic triglyceride-rich lipoprotein is inhibited by the flavonoid, taxifolin, via reduced DGAT and MTP activity.
198	Ticktin T	I-3	BOTANY DEPT - C OF NAT SCI	\$1,465.00	Assessing harvest of nontimber resources from a population ecology perspective: a review of case-studies and suggestions for future directions.
199	Tricas T C	I-3	ZOOLOGY DEPT - C OF NAT SCI	\$1,300.00	Test of the mechanotactile hypothesis: response dynamics of mechanosensory lateral line primary afferents in the stingray.
200	Tsao H	I-3	ART DEPT - C ARTS & HUM	\$1,350.00	"One Size for All: The Song and Jin's Use of 'Lady Wenjis Return to Han"
201	Umemoto K	I-3	URB & REG PLAN DEPT - C OF SO	\$2,000.00	Planning for Peace: A Strategic Planning Response to Urban Racial Violence.
202	Van Dyke J M	I-5	LAW DEANS OFF - SCH OF LAW	\$925.00	International Environmental Law - The Development and Current Status of the Precautionary Principle.
203	Van Zile J	I-5	THEATRE & DANCE DEPT - C ARTS	\$2,000.00	The Public Face of Korean Dance I Hawaii: A Story of Three Women.
204	Vitiello G	I-3	E A LANG & LIT DEPT - C OF L L L	\$2,000.00	Family Affairs: Chi pozi zhuan and early Chinese Pornography.
205	Wainscoat R J	S-5	INST FOR AST - RES & DEAN OF G	\$998.50	Protecting the night sky above Hawaii's Mauna Kea and Haleakala Observatories.
206	Walton F C	S-4	TEACH ED & CURR STU - C OF ED	\$1,238.20	Technology Education for All Reasons and Seasons.
207	Wang J-K	R-5	MOL BIOSCI&BIOSYS EG - C OF TA	\$1,400.00	A Microalgae Based Recirculating Oyster and Shrimp System.

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

	Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
208	Wang X	I-3	ECONOMICS DEPT - C OF SOC SCI	\$1,500.00	Returns to Scale and Relative Wages in Chinese Township and Village Enterprises.
209	Warn-Cramer B J	R-3	CANCER CT HI - RES & DEAN OF G	\$1,452.00	Regulation of Connexin43 function by G protein-coupled receptor signaling and the activation of map kinase.
210	Wayne V	I-5	ENGLISH DEPT - C OF L L L	\$1,165.00	Cymbeline's Patriotism.
211	Wegner E L	I-5	SOCIOLOGY DEPT - C OF SOC SCI	\$1,000.00	"Contesting the Boundaries of Social Responsibility: Moral Rhetoric Regarding Financing of Long-Term Care"
212	Wessendorf M	I-3	THEATRE & DANCE DEPT - C ARTS	\$1,797.07	"Theatre as an Allegory of (the Impossibility of) Reading: The Wooster Group's The Road to Immortality Part Three: Frank Dell's Temptation of Saint Antony"
213	Womack D R	I-4	MUSIC DEPT - C ARTS & HUM	\$1,177.80	Bruner's Grove (original work for orchestra).
214	Wong-Kim E	I-3	SCH SOC WORK - C OF HLTH SCI &	\$1,400.00	Factors Predicting the Practice of Breast Self Examination and Utilization of Mammography Among Chinese Immigrant Women.
215	Yamauchi L A	I-4	EDUC PSYCHOLOGY DEPT - C OF	\$1,350.00	Transforming Teaching: Achieving Excellence, Fairness, Inclusion, and Harmony.
216	Yang G	I-3	SOCIOLOGY DEPT - C OF SOC SCI	\$1,100.00	1) The Routinization of Liminality. 2) The Impact of the Internet on Civil Society in the PRC.
217	Yang P-Y	R-5	MOL BIOSCI&BIOSYS EG - C OF TA	\$1,828.00	1) A pilot scale bioreactor using EMMC technology for treatment and reuse of actual sewage and 2) Potential application of EMMC technology for direct removal of nitrate from contaminated groundwater.
218	Yano C R	I-3	ANTHROPOLOGY DEPT - C OF SO	\$1,147.70	Kimono Kitty: Marking 'Asia' in Japanese Global Products.

TABLE 2. 2001 - 2002 Faculty Travel To Professional Conferences

Principal Investigator	Rank	Department	Amount Awarded	Paper Presented
219 Yoshihara M	I-3	AMER STUDIES DEPT - C ARTS & H	\$1,350.00	Butterflies across the Pacific: Gender and Race in U.S. - Japan Relations in the World of Opera in the Early Twentieth Century.
220 Yoshimi D R	I-4	E A LANG & LIT DEPT - C OF L L L	\$1,350.00	Constructing Episode Boundaries in Japanese Extended Tellings: L1 and L2 Discourse Competence.
221 Yoshinaga A Y	R-2	PAC BI RS CT - RES & DEAN OF GR	\$1,500.00	Conservation of Tropical Island Seeds: An Example from Hawaii.
222 Young Leslie H	I-3	ANTHROPOLOGY DEPT - C OF SO	\$2,000.00	1) Producing What from the Health Transition? Health Promotion Discourse, Health Practice and Cultural Constructions of Health in Tonga. 2) Hands Across the Water: Tongan Women's Katoanga Exchanges.
223 Zhou K	I-4	POLITICAL SCI DEPT - C OF SOC S	\$1,800.00	The Rise of Chinese Global Entrepreneurs in China.
224 Zilliox J T	I-4	TEACH ED & CURR STU - C OF ED	\$1,000.00	Enhancing the Teaching of Mathematics.
225 Zinin P	R-3	HI INST OF GEOP-PLTY - RES & DE	\$1,500.00	Elastic properties of CBN films by surface Brillouin scattering.
		Grand Total	225	\$327,999.67

Table 3. DATA FOR 2001-2002 DISTRIBUTION OF FACILITATING SERVICES FUND

<u>Department</u>	<u>Basis</u>	<u>Allocation</u>
Cancer Research Center	\$2,489,313.98	\$1,146,983.00
College of Arts & Humanities	18,998.82	8,754.00
College of Arts & Sciences	19,457.13	8,965.00
College of Business Administration	143,900.46	66,304.00
College of Education	194,629.41	89,678.00
College of Engineering	545,927.90	251,543.00
College of Languages, Linguistics & Literature	60,242.88	27,758.00
College of Natural Sciences	1,378,316.26	635,077.00
College of Social Sciences	209,947.00	96,736.00
Curriculum Research & Development Group	223,184.03	102,835.00
College of Tropical Agriculture & Human Resources	536,977.52	206,957.00
Institute For Astronomy	1,198,467.20	552,209.00
Information Technology Services	587.22	0.00
Laboratory Animal Service	42.26	19.00
Library Services	4,928.63	2,271.00
Lyon Arboretum	1,193.88	550.00
Office of Student Affairs	19,337.10	8,910.00
Office of Technology Transfer & Economic Development	(11,956.80)	0.00
Pacific Biomedical Research Center	1,694,601.92	780,809.00
School of Architecture	3,068.64	1,414.00
School of Law	616.25	284.00
School of Medicine	1,238,397.65	570,607.00
School of Nursing	78,928.60	36,367.00
School of Public Health	42,607.42	19,632.00
School of Social Work	86,805.83	39,997.00
School of Travel Industry Management	7,451.65	3,433.00
School of Hawaiian, Asian & Pacific Study	55,975.39	25,791.00
School Ocean & Earth Science & Technology	5,905,772.57	2,721,160.00
Social Sciences Research Institute	271,077.53	124,902.00
University Affiliated Programs	197,392.15	90,951.00
Wakiki Aquarium	6,695.71	3,085.00
Water Resources Research Center	53,682.01	24,735.00
Community College Administration	10,582.36	4,876.00
Employment Training Center	19,797.80	9,122.00
Hawaii Community College	38,514.66	34,940.00
Honolulu Community College	18,834.84	8,678.00
Kapiolani Community College	27,353.26	12,603.00
Kauai Community College	78,299.63	49,216.00
Leeward Community College	105,337.29	47,941.00
Maui Community College	371,385.49	140,789.00
Windward Community College	26,573.58	12,244.00
University of Hilo	0.00	526,410.00
Small Business Development Center	0.00	2,053.00
Total	\$17,373,247.11	\$8,497,588.00

Date 02-Oct-02

TABLE 4. 2001-2002 PROJECT DEVELOPMENT FUND AWARDS

<u>Principal Investigator</u>	<u>Department</u>	<u>Purpose</u>	<u>Award Amount</u>
<u>Awarded by Chancellor</u>			
1 Baker, D.	College of Languages, Linguistics & Literature	2002 Dist. Lecture Series	\$40,000.00
2 Cadman, E.	School of Medicine	New Faculty Start-up	75,000.00
3 Cadman, E.	School of Medicine	New Faculty Start-up (2)	600,000.00
4 Cadman, E.	School of Public Health	RTRF School of Public Health - D. W. Miller	5,000.00
5 Hamnett, M.	Social Sciences Research Institute	DMHA IDC	8,500.00
6 Hughes, J.	College of Arts & Humanities	Beijing Opera China Tour II	60,000.00
7 Kashimoto, K.	Facility Ground Safety	Utility Shortfalls	453,141.00
8 Kashimoto, K.	Facilities, Ground & Safety	Various Repairs & Shortfalls	732,737.00
9 Kim, K.	College of Social Sciences	David Ansberry Salary Support	15,000.00
10 Kipins, K.	College of Arts & Humanities	Amintaphil III	4,000.00
11 Kirmitsu, W.	SVP for Legal Affairs	RTRF-Paradise Park Acquisition	25,000.00
12 Kudritzki, R.	Institute For Astronomy - Hilo	Facilitating Services Fund - IFA	250,000.00
13 Lassner, D.	Information Technology Services	Maui High-Perf Computing CTR-MHPCC	465,000.00
14 Littman, R.	College of Languages, Linguistics & Literature	RRLTMN3	6,800.00
15 Neubauern, D.	Chancellor's Office	UHM Chancellor's Office Travel Fund	10,000.00
16 Peruskek, D.	Library Services	RTRF-EBSCOHOST Subscription	198,825.00
17 Peruskek, D.	Library Services	RTRF - Improvements to Hamilton Library	507,422.00
18 Sakaguchi, R.	Interim Vice Chancellor	Paradise Park	75,000.00
19 Smith, D.	School of Ocean & Earth Science & Technology	Start-Up Funds	300,000.00
20 Takekawa, R.	Facility Ground Safety	EHSO Diving Safety	10,125.00
21 Thomas, W.	Office of University Relations	RTRF-Government Relations	184,600.00
<i>Sub Total</i>			<u>\$4,026,150.00</u>

Date 02-Oct-02

TABLE 4. 2001-2002 PROJECT DEVELOPMENT FUND AWARDS

<u>Principal Investigator</u>	<u>Department</u>	<u>Purpose</u>	<u>Award Amount</u>
<u>Awarded by Vice Chancellor for Research & Graduate Education</u>			
1 Alam, M.	Microbiology	Microbial Genomic Research	\$20,000.00
2 Alam, M.	Natural Science	Project development - Genome Sequencing	55,000.00
3 Antal, M.	HNEI (SOEST)	Charcoal from UH Green Wastes	50,000.00
4 Brown, A.	College of Tropical Agriculture & Human Resource	RTRF - Amy Brown - Travel	600.00
5 Chakrabarti, A.	Arts & Humanities	Indian Philosophy Grad Assts	16,000.00
6 Coleman, D.	Library	Library Literacy Project - RTRF	2,500.00
7 Helbling, M.	College of Arts & Humanities	Claude A Barnett Travel (Helbling)	2,500.00
8 Interim Vice Chancellor	Office of Research Services	Legal Services Chun, Kerr, Dodd	25,000.00
9 Interim Vice Chancellor	Chancellor's Office	Edward Laws Research & Grad Ed Discretionary Fund	20,000.00
10 Kinoshita, C.	School of Ocean & Earth Science & Technology	Marbec R-Fund Support	15,519.22
11 Kinzie, R.	Natural Science	2002 Albert Tester Symposium	2,750.00
12 Magnussen, L.	School of Nursing	Study of Battered Women	5,000.00
13 McArthur, H.	Office of Research Services -NIH	National Institute for Health Workshop	11,105.00
14 Patil, S.	Pacific Biomedical Research Center	Certification of BSL - 3 Facility	7,685.00
15 Rocheleau, R.	HNEI (SOEST)	Hawaii Fuel Cell Test Facility	60,000.00
16 Vogel, C.	Cancer Research Center	Telephone Allocation	50,000.00
17 Young, D.	Curriculum Research & Development Group	Physics & Mathematics Education	99,250.00
<i>Sub Total</i>			\$442,909.22
Total			\$4,469,059.22

TABLE 5. 2001 - 2002 Research Relations Fund Awards

	Principal Investigator	Rank	Title	Award Amount
1	Aranda L LANG&LIT EUROPE&AM - C OF L L L	I-3	Handbook of Spanish-English Translation	\$4,460.00
2	Asselin P HISTORY - KAPIOLANI CC	C-2	Negotiating Honor: Washington, Hanoi, and the Paris Agreement	\$2,500.00
3	Ball R J LANG&LIT EUROPE&AM - C OF L L L	I-5	Supplementary stipend for "The Reception of Homer's Epics on Greek and Latin Literature"	\$500.00
4	Ball, R J LANG&LIT EUROPE&AM - C OF L L L	I-5	The Reception of Homer's Epics in Greek and Latin Literature	\$1,575.64
5	Bilmes, J M ANTHROPOLOGY DEPT - C OF SOC SCI	I-5	Sharecropping to Renting: Thai Villagers' Understanding of Economic Change	\$1,490.00
6	Bomberger E D MUSIC DEPT - C ARTS & HUM	I-4	The Papers of George Whitefield Chadwick (1854-1931)	\$1,000.00
7	Daniel M L HISTORY DEPT - C ARTS & HUM	I-3	Ribaldry and Billingsgate: The Party Press and the Politics of Character in the Early American Republic	\$2,000.00
8	Drexler, D ART DEPT - C ARTS & HUM	I-4	Gauguin's Zombie	\$3,530.22
9	Fisher E THEATRE & DANCE DEPT - C ARTS & HUM	I-4	German Choreographic Lineage: solo performance and lecture	\$1,551.00
10	Grace D J TEACH ED & CURR STU - C OF EDUC	I-3	Investigating Children's Understanding of the Media through Student Video Production	\$2,000.00
11	Herman L G WEST HI UHH - ACADEMIC AFF UHH	I-5	Primal Quest	\$4,341.00
12	Hoffmann, K LANG&LIT EUROPE&AM - C OF L L L	I-5	Phantasms of the Feminine	\$2,500.00
13	Huang W FIN ECON & INS DEPT - C OF BUS ADM	I-3	Effects of the NYSE OpenBook on Market Quality	\$2,000.00
14	Kaomea J TEACH ED & CURR STU - C OF EDUC	I-3	Can Subaltern Natives Speak? Classroom Reactions to a Hawaiian-Authorited Elementary Hawaiian Studies Textbook	\$3,663.00

TABLE 5. 2001 - 2002 Research Relations Fund Awards

	Principal Investigator	Rank	Title	Award Amount
15	Kelley, L C HISTORY DEPT - C ARTS & HUM	I-3	Whither the Bronze Pillars? Vietnamese Envoy Poetry and the Sino-Vietnamese Relationship in the 16th to 19th Centuries	\$4,764.00
16	Kozok U INDO PAC LANG DEPT - C OF L L L	I-3	Documentation of Kerinci Manuscripts	\$4,934.60
17	Krishna S POLITICAL SCI DEPT - C OF SOC SCI	I-4	Religion & Politics in Southern India: the question of secularism	\$2,500.00
18	Kudo E T MUSIC DEPT - C ARTS & HUM	I-5	New Music from the University of Hawaii	\$2,500.00
19	Lew J W ENGLISH DEPT - C OF L L L	I-4	HeterOrientalisms	\$1,079.99
20	Lin I B MUSIC DEPT - C ARTS & HUM	I-3	New Zealand, Thailand, and Taiwan Performances of Western Classical Cello Music	\$5,000.00
21	McReynolds L HISTORY DEPT - C ARTS & HUM	I-5	"Murder Most Russian: The Bloody Drama in Leshtukhov Alley"	\$891.00
22	Overstreet, M LANG&LIT EUROPE&AM - C OF L L L	I-3	Die Vagheit der Sprache und so	\$3,000.00
23	Perkinson, R AMER STUDIES DEPT - C ARTS & HUM	I-3	The Rise of the Texas Prison Empire	\$4,715.00
24	Rolett, B V ANTHROPOLOGY DEPT - C OF SOC SCI	I-4	Neolithic Seafaring in Southeast China	\$4,600.00
25	Schroeder P A LANG&LIT EUROPE&AM - C OF L L L	I-3	Tomas Gutierrez Alea: The Dialectics of a Filmmaker	\$1,500.00
26	Schroeder, P LANG&LIT EUROPE&AM - C OF L L L	I-3	Transcultural Fictions: Latin American Migrants on Film	\$2,600.00
27	Sharma R N INDO PAC LANG DEPT - C OF L L L	I-5	English Translation of the Kashika-vrtti (vol I-II)	\$3,500.00
28	Shibusawa N HISTORY DEPT - C ARTS & HUM	I-3	America's Geisha Ally: Race, Gender, and Maturity in Re-imagining the Japanese, 1945-1968	\$3,000.00

TABLE 5. 2001 - 2002 Research Relations Fund Awards

Principal Investigator	Rank	Title	Award Amount
29 Smith N L NURSING DEPT - C OF HLTH SCI & S W	I-4	Advanced Practice Nursing Outcomes	\$2,000.00
		Total	\$79,695.45

Date 02-Oct-02

TABLE 6. 2001-2002 SPECIAL PROJECT FUNDS

<u>Principal Investigator</u>	<u>Department</u>	<u>Purpose</u>	<u>Award Amount</u>
1 Adams, P.	Theatre & Dance	Kennedy Theatre Production	\$5,000.00
2 Daniel, S.	Director, PAMI & Executive Director, PACIBER	Asia Moot Corp Program	10,000.00
3 Goldberg-Hiller, J.	Political Science	Law & Society Association Annual Meeting	715.00
4 Howes, C.	Director, Center for Biographical Research	Seminars & Consultations, La Trobe University	1,400.00
5 Kraft, J.	History	International Committee for the History of Technology Conference	1,000.00
6 Roberts, R.	Philosophy	Production Cost	1,250.00
Total			\$19,365.00

RESEARCH

RESEARCH

RESEARCH GRANTS AND CONTRACTS AWARDED
COMPARATIVE BY MONTH

MONTH	1996-97		1997-98		1998-99		1999-00		2000-01		2001-02	
	NUM	FISCAL YEAR DOLLARS										
JUL	66	\$9,658,053	35	\$5,895,988	33	\$3,010,082	23	\$5,948,464	31	\$4,655,361	32	\$2,561,355
AUG	30	\$2,529,605	53	\$6,224,647	67	\$10,358,687	63	\$11,096,898	62	\$12,010,884	88	\$6,162,893
SEP	49	\$8,453,747	72	\$7,200,943	58	\$9,432,647	88	\$12,196,257	84	\$16,994,389	86	\$15,965,457
OCT	109	\$13,623,746	84	\$9,056,727	74	\$13,361,071	88	\$11,766,061	108	\$22,408,534	142	\$31,703,142
NOV	55	\$3,658,781	57	\$8,017,515	48	\$9,355,966	60	\$5,859,266	68	\$5,439,428	77	\$7,676,135
DEC	36	\$4,441,598	44	\$4,839,681	52	\$6,073,027	58	\$6,544,662	61	\$5,630,187	56	\$6,226,418
JAN	48	\$9,030,624	58	\$4,538,579	48	\$8,280,468	55	\$6,160,157	51	\$5,192,917	70	\$8,692,345
FEB	48	\$5,057,157	70	\$8,976,747	46	\$4,240,175	63	\$7,342,303	76	\$10,078,632	56	\$6,998,426
MAR	63	\$7,391,707	57	\$6,760,708	62	\$7,199,937	42	\$4,713,422	63	\$11,294,058	66	\$5,810,480
APR	66	\$9,102,980	67	\$11,789,489	54	\$5,672,918	54	\$6,119,254	52	\$7,827,944	66	\$9,869,726
MAY	65	\$8,016,736	51	\$5,707,419	65	\$4,801,700	52	\$8,519,890	52	\$10,486,428	64	\$16,242,137
JUN	89	\$8,166,902	115	\$12,738,545	100	\$10,950,967	121	\$16,578,376	114	\$19,218,213	155	\$22,760,125
	724	\$89,131,636	763	\$91,746,988	707	\$92,737,645	767	\$102,845,010	822	\$131,236,975	958	\$140,668,639

FIRST 12 MONTHS OF PREVIOUS YEARS FOR COMPARISON

724	\$89,131,636	763	\$91,746,988	707	\$92,737,645	767	\$102,845,010	822	\$131,236,975	958	\$140,668,639
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ORS DATA - 28-Oct-02

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.

NON - RESEARCH

NON - RESEARCH

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

MONTH	1996-97		1997-98		1998-99		1999-00		2000-01		2001-02	
	NUM	FISCAL YEAR DOLLARS										
JUL	74	\$9,019,506	27	\$4,220,132	26	\$3,915,258	26	\$3,734,498	18	\$2,073,293	24	\$8,537,001
AUG	19	\$1,895,830	46	\$6,069,708	40	\$4,744,200	57	\$7,629,989	56	\$8,053,865	61	\$7,628,935
SEP	39	\$5,941,105	31	\$2,626,513	52	\$7,511,819	83	\$7,666,095	56	\$12,270,269	59	\$15,581,849
OCT	62	\$6,771,687	63	\$6,968,502	43	\$9,674,899	56	\$10,366,370	65	\$9,424,152	70	\$6,671,828
NOV	50	\$7,896,100	54	\$11,922,675	48	\$6,658,241	55	\$13,231,226	45	\$4,702,782	101	\$12,434,266
DEC	36	\$8,053,191	26	\$2,016,806	39	\$3,700,081	46	\$6,573,283	20	\$1,218,152	43	\$7,279,176
JAN	23	\$2,647,711	32	\$4,168,627	25	\$1,534,629	22	\$1,364,579	31	\$5,184,526	26	\$5,547,900
FEB	40	\$4,221,814	41	\$6,199,799	41	\$3,399,981	42	\$4,813,221	50	\$7,272,850	44	\$8,193,244
MAR	32	\$3,075,402	32	\$2,279,280	42	\$8,278,758	37	\$4,058,680	28	\$4,520,561	37	\$4,253,434
APR	29	\$1,776,989	49	\$5,047,453	41	\$4,741,073	50	\$4,027,917	41	\$4,870,710	28	\$3,337,253
MAY	47	\$9,126,844	46	\$5,097,835	39	\$4,821,778	49	\$5,662,593	39	\$6,309,406	46	\$4,257,042
JUN	80	\$11,301,985	90	\$11,584,294	111	\$12,449,739	86	\$6,823,385	92	\$14,593,633	92	\$21,483,968
	531	\$71,728,164	537	\$68,201,624	547	\$71,430,456	609	\$75,951,836	541	\$80,494,199	631	\$105,205,896

FIRST 12 MONTHS OF PREVIOUS YEARS FOR COMPARISON

531	\$71,728,164	537	\$68,201,624	547	\$71,430,456	609	\$75,951,836	541	\$80,494,199	631	\$105,205,896
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ORS DATA - 28-Oct-02

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.

SUMMARY

SUMMARY

RESEARCH AND NONRESEARCH GRANTS AND CONTRACTS AWARDED
COMPARATIVE BY MONTH

MONTH	1996-97		1997-98		1998-99		1999-00		2000-01		2001-02	
	NUM	FISCAL YEAR DOLLARS										
JUL	140	\$18,677,559	62	\$10,116,120	59	\$6,925,340	49	\$9,682,962	49	\$6,728,654	56	\$11,098,356
AUG	49	\$4,425,435	99	\$12,294,355	107	\$15,102,887	120	\$18,726,887	118	\$20,064,749	149	\$13,791,828
SEP	88	\$14,394,852	103	\$9,827,456	110	\$16,944,466	171	\$19,862,352	140	\$29,264,658	145	\$31,547,306
OCT	171	\$20,395,433	147	\$16,025,229	117	\$23,035,970	144	\$22,132,431	173	\$31,832,686	212	\$38,374,970
NOV	105	\$11,554,881	111	\$19,940,190	96	\$16,014,207	115	\$19,090,492	113	\$10,142,210	178	\$20,110,401
DEC	72	\$12,494,789	70	\$6,856,487	91	\$9,773,108	104	\$13,117,945	81	\$6,848,339	99	\$13,505,594
JAN	71	\$11,678,335	90	\$8,707,206	73	\$9,815,097	77	\$7,524,736	82	\$10,377,443	96	\$14,240,245
FEB	88	\$9,278,971	111	\$15,176,546	87	\$7,640,156	105	\$12,155,524	126	\$17,351,482	100	\$15,191,670
MAR	95	\$10,467,109	89	\$9,039,988	104	\$15,478,695	79	\$8,772,102	91	\$15,814,619	103	\$10,063,914
APR	95	\$10,879,969	116	\$16,836,942	95	\$10,413,991	104	\$10,147,171	93	\$12,698,654	94	\$13,206,979
MAY	112	\$17,143,580	97	\$10,805,254	104	\$9,623,478	101	\$14,182,483	91	\$16,795,834	110	\$20,499,179
JUN	169	\$19,468,887	205	\$24,322,839	211	\$23,400,706	207	\$23,401,761	206	\$33,811,846	247	\$44,244,093
	1255	\$160,859,800	1300	\$159,948,612	1254	\$164,168,101	1376	\$178,796,846	1363	\$211,731,174	1,589	\$245,874,535
FIRST 12 MONTHS OF PREVIOUS YEARS FOR COMPARISON												
	1255	\$160,859,800	1300	\$159,948,612	1254	\$164,168,101	1376	\$178,796,846	1363	\$211,731,174	1,589	\$245,874,535

ORS DATA - 28-Oct-02

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.