

Office of Vice President for Research
and
Information Technology

Research Proposals Submitted

and

Research Awards Received

Annual Report

July 1, 1996 through June 30, 1997

Research Proposals Submitted *and* Research Awards Received

*** July 1, 1996 through June 30, 1997 ***

Foreword

There are several factors that can contribute to charts and totals appearing overly high or overly low. These factors include:

- ♦ Starting July 1, 1990, multiple year proposals are reported for their entire proposed funding period. Previously, many multiple year proposals were reported by individual year. The result of this change is the number of proposals submitted will be significantly less and the dollar volume will be significantly higher. This procedural change was done to reduce reporting requirements for Principal Investigators.
- ♦ Starting July 1, 1992, old Federally Funded Research and Development Centers, national laboratories) are listed in the category which reflects the management entity (e.g., university or non-profit organization), rather than the sponsoring Federal Agency. The listing for DOE is the main Federal Agency affected. This change was made to reflect current federal reporting requirements.
- ♦ Various charts and dollar figures may reflect multi-year, multi-million dollar proposals or awards.
- ♦ CIRA Admin Unit, which previously was listed in the "Other" college, merged with the Engineering college effective July 1, 1994. This merger may significantly effect reporting.
- ♦ Proposal totals represent "new proposal" submissions only. No continuation or renewal proposal submissions are included. Sponsored Programs process approximately 110 proposals each month.
- ♦ Fiscal year 1996 experienced many delays in federal funding, due to the federal government "shutdown", which lasted more than six months. Some examples of how this has affected proposal and award totals include:
 1. Uncertainties about future federal funding contributed to proposal downturn. Delayed agency budgets resulted in postponement of continuation awards.
 2. Review committees convened late, delaying new awards.
 3. Response time from agencies on all matters has been slow. Agencies that normally fund on an annual basis are funding semi-annually or quarterly.
 4. Some competitive renewals have been denied.

Foreword continued

Various charts and dollar figures may reflect multi-year, multi-million dollar proposals or awards. The following lists those that significantly effect reporting.

PROPOSALS

<u>FY</u>	<u>QTR</u>	<u>College</u>	<u>Department</u>	<u>Sponsor</u>	<u>Years</u>	<u>\$ Amount</u>
92-93	1 st	Natural Resources	Range Science	USDA	5	\$30 Million
	2 nd	Natural Resources	NREL	DOD	5	\$20 Million
93-94	2 nd	Natural Resources	Range Land Science	DOD	5	\$122 Million
	4 th	Veterinary Medicine & Biomedical Sciences	Environmental Health	HHS	5	\$11 Million
94-95	2 nd	Natural Resources	Forest Sciences	DOD	5	\$36 Million
	3 rd	Veterinary Medicine & Biomedical Sciences	Rad Hlth Sci	HHS	5	\$13 Million
95-96	1 st	Engineering	CIRA	DOC/NOAA	5	\$80 Million
96-97	1 st	Engineering	Mechanical Engineering	DOC	1	\$10 Million
		Veterinary Medicine & Biomedical Sciences	Environmental Health (x 2)	HHS	5	\$6 Million
	3 rd	Engineering	Civil Engineering	NSF	5	\$10 Million
		Engineering	Mechanical Engineering	KSU/DOC	5	\$6 Million
	4 th	Engineering	Civil Engineering	NSF	5	\$10 Million
		Engineering	Mechanical Engineering	DOC/NIST	5	\$10 Million

AWARDS

<u>FY</u>	<u>QTR</u>	<u>College</u>	<u>Department</u>	<u>Sponsor</u>	<u>Years</u>	<u>\$ Amount</u>
94-95	1 st	Engineering	CIRA Admin Unit	DOD	4	\$4 Million
95-96	1 st	Applied Human Sciences	Social Work	CDHS	1	\$6 Million

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This report is developed by Sponsored Programs at Colorado State University.

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The information in this report is also available on our web site.

www.research.colostate.edu

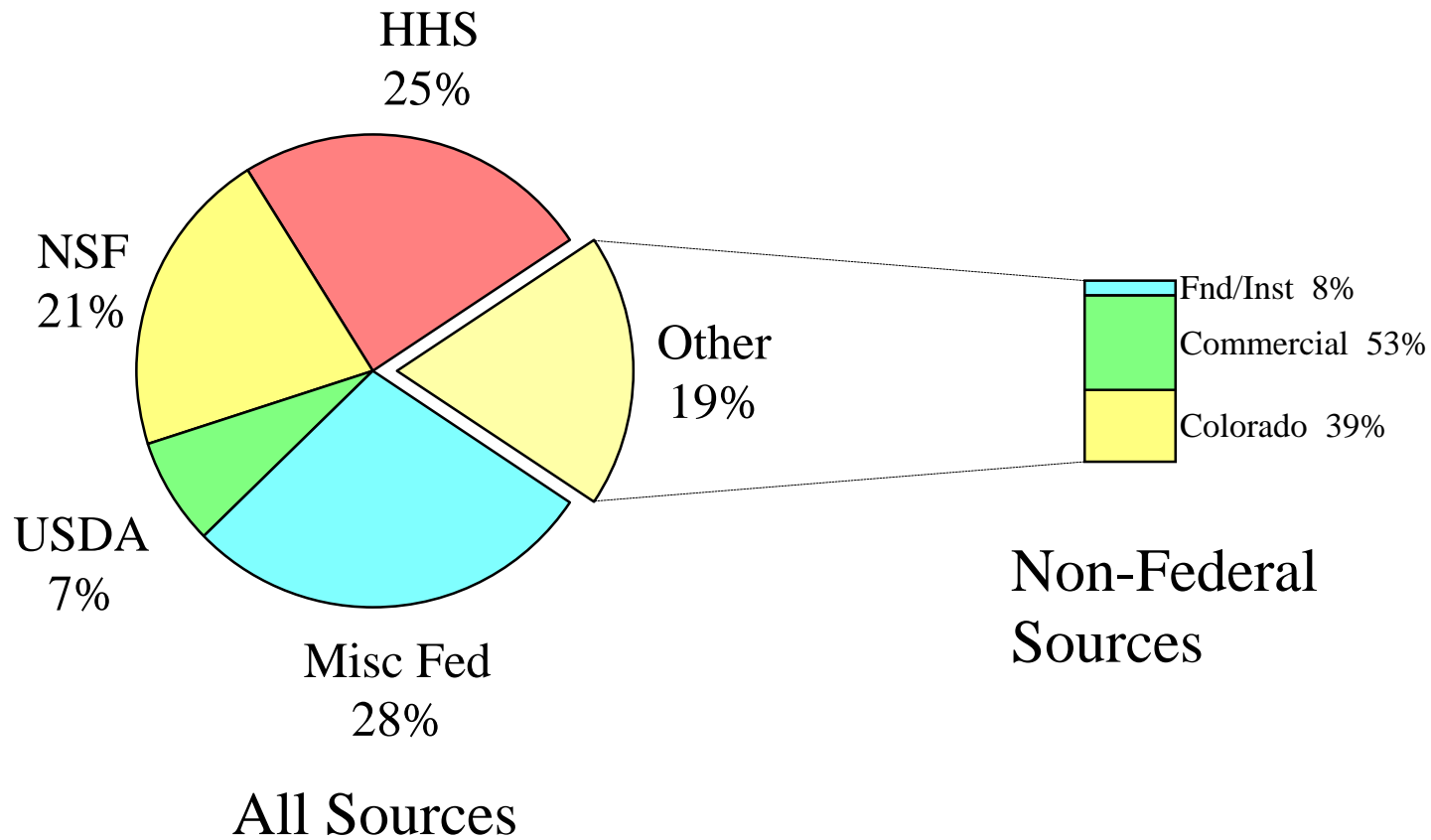
Section I

Historical Summaries

Current Fiscal Year and Historical Proposal Summaries

Proposals by Fund Source

Comparison Totals for Fiscal Year '97



Cumulative from July - June

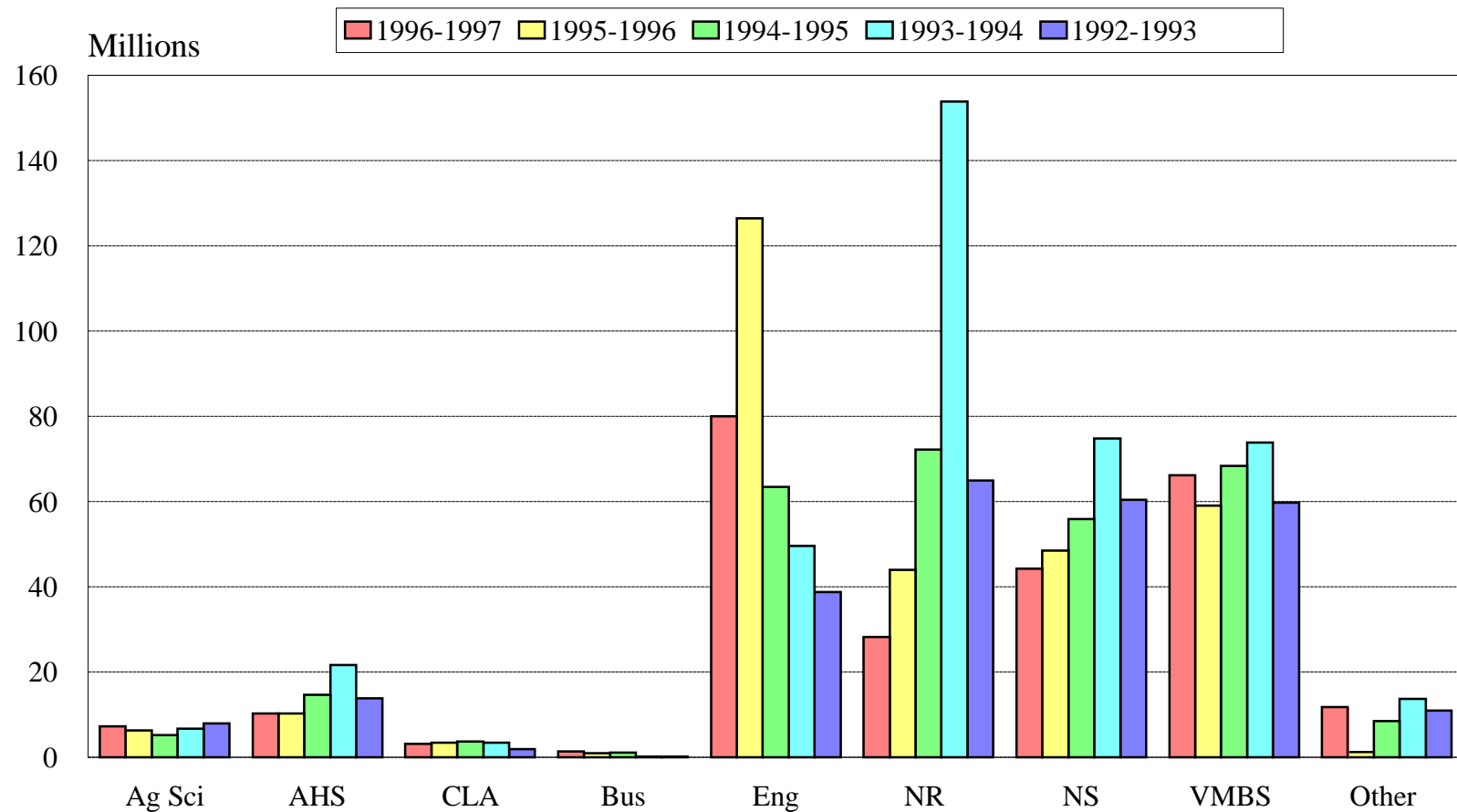
Comparison of Cumulative Fiscal Year Proposals to Same Period Previous Fiscal Years

Sponsor	#	1996-1997	#	1995-1996	#	1994-1995	#	1993-1994	#	1992-1993
Commercial and Non-Profit	157	\$ 26,490,769	187	\$ 18,590,208	178	\$ 19,151,173	185	\$ 16,565,531	159	\$ 15,204,181
Foundations	56	\$ 3,583,692	55	\$ 4,378,624	40	\$ 1,895,535	36	\$ 1,894,584	15	\$ 537,285
Institutes	2	\$22,868	3	\$ 193,699	1	\$ 210,420	5	\$660,046	5	\$ 501,009
State of Colorado	78	\$ 17,630,960	65	\$ 14,438,109	78	\$ 16,983,381	61	\$ 7,264,323	74	\$ 11,652,462
Subtotal of Non-Federal	293	\$ 47,728,289	310	\$ 37,600,640	297	\$ 38,240,509	287	\$ 26,384,484	253	\$ 27,894,937
USDA - Department of Agriculture	80	\$ 18,663,889	60	\$ 12,328,319	68	\$ 12,858,562	87	\$ 18,427,731	84	\$ 48,109,367
DOC - Department of Commerce	27	\$ 17,595,362	11	\$ 82,818,171	16	\$ 2,563,931	18	\$ 3,148,836	16	\$ 4,586,003
DOD - Department of Defense	45	\$ 11,172,455	54	\$ 17,628,290	62	\$ 57,208,251	61	\$ 140,963,382	63	\$ 37,464,761
DOE - Department of Energy	28	\$ 12,419,302	22	\$ 16,392,938	15	\$ 5,605,303	21	\$14,100,188	26	\$ 9,829,842
EPA - Environmental Protection Agency	24	\$ 7,551,649	24	\$ 14,434,505	22	\$ 5,680,530	28	\$ 6,651,449	21	\$ 3,747,083
HHS - Health & Human Services	98	\$ 61,774,553	77	\$ 43,060,804	94	\$ 78,349,599	125	\$ 111,104,949	107	\$ 71,678,332
USDI - Department of the Interior	26	\$ 3,313,467	24	\$ 2,086,366	34	\$ 4,336,842	22	\$ 4,188,075	22	\$ 1,587,116
NASA - National Aeronautics & Space Administration	23	\$ 8,798,281	31	\$10,366,008	31	\$ 11,740,824	25	\$ 3,606,409	20	\$ 3,396,430
NSF - National Science Foundation	133	\$ 53,015,826	144	\$ 59,739,243	187	\$ 66,617,848	149	\$ 59,655,479	146	\$ 42,288,703
Miscellaneous Federal	26	\$ 10,725,786	11	\$ 3,812,154	31	\$ 9,857,325	38	\$ 9,507,548	35	\$ 36,285,167
*** TOTAL ***	803	\$ 252,758,859	768	\$ 300,267,438	857	\$ 293,059,524	861	\$ 397,738,530	793	\$ 258,972,804

Please see Foreword for detail on this dollar total.

Proposals by College

Comparison of Proposal Submissions by Fiscal Years '93-'97



July - June

Comparison Cumulative Fiscal Year Proposals to Same Period Previous Fiscal Years

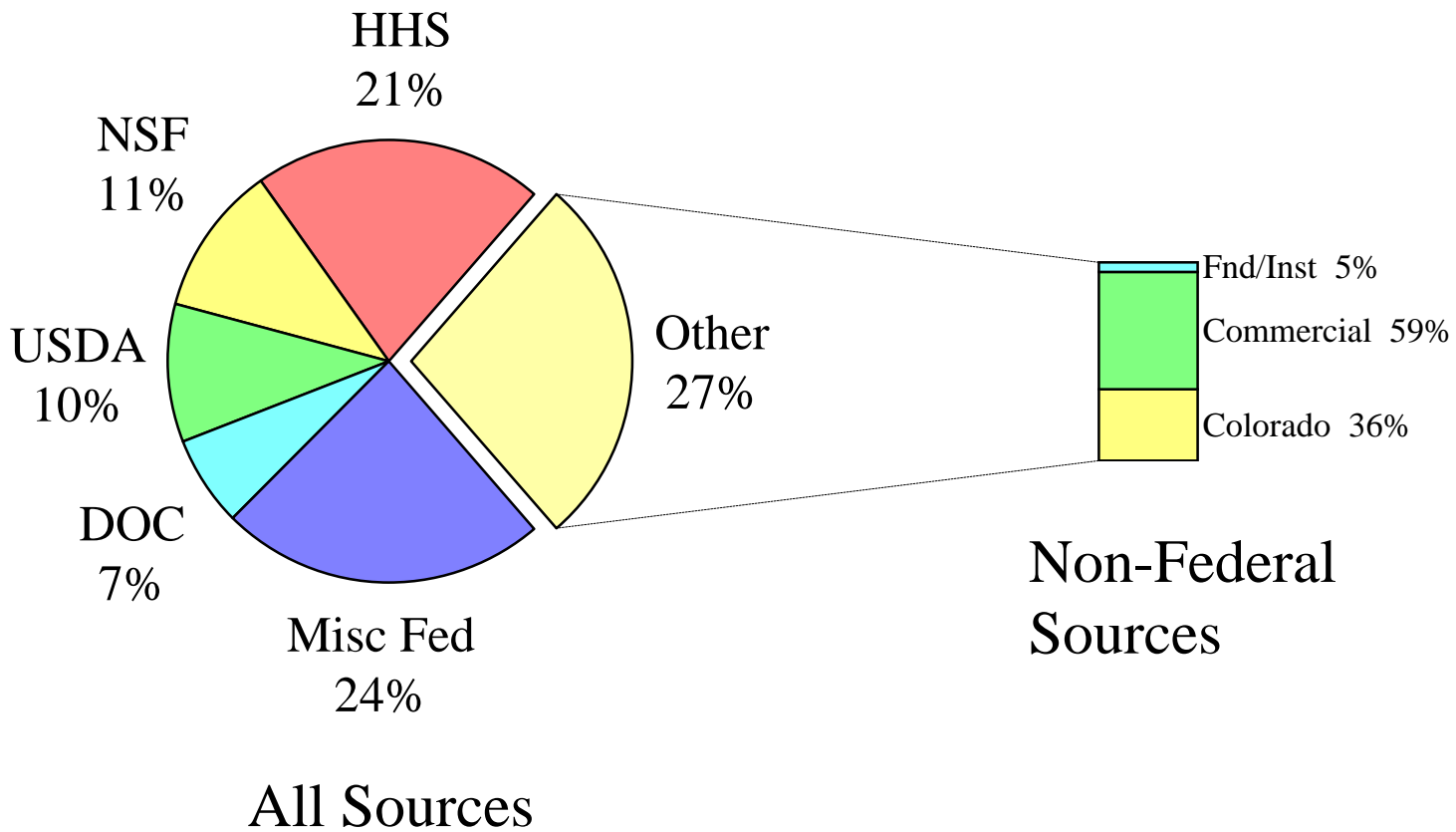
College	#	1996-1997	#	1995-1996	#	1994-1995	#	1993-1994	#	1992-1993
Ag Sci - Agricultural Sciences	39	\$ 7,245,550	40	\$ 6,343,610	51	\$ 5,259,107	60	\$ 6,739,266	65	\$ 7,978,208
AHS - Applied Human Sciences	40	\$ 10,333,621	39	\$ 10,319,635	52	\$ 14,683,832	68	\$ 21,601,340	59	\$ 13,862,605
CLA - Liberal Arts	20	\$ 3,206,218	21	\$ 3,496,406	15	\$ 3,681,699	17	\$ 3,506,990	19	\$ 1,888,118
Bus - Business	4	\$ 1,395,836	5	\$ 927,022	5	\$1,059,380	4	\$108,670	7	\$ 162,894
Eng - Engineering	184	\$ 80,029,310	184	\$ 126,402,751	219	\$ 63,468,139	179	\$ 49,589,180	180	\$ 38,787,276
NR - Natural Resources	120	\$ 28,304,006	123	\$ 44,048,784	128	\$ 72,186,470	110	\$ 153,892,081	88	\$ 64,965,918
NS - Natural Sciences	156	\$ 44,281,751	158	\$ 48,498,674	176	\$ 55,890,818	193	\$ 74,757,058	182	\$ 60,477,698
VMBS - Veterinary Medicine & Biomedical Sciences	202	\$ 66,184,099	185	\$ 59,018,477	166	\$ 68,371,265	177	\$ 73,800,846	142	\$ 59,817,905
Other - Other	38	\$ 11,778,468	13	\$ 1,212,079	45	\$ 8,458,814	53	\$ 13,743,099	51	\$ 11,032,182
*** TOTAL ***	803	\$ 252,758,859	768	\$ 300,267,438	857	\$ 293,059,524	861	\$ 397,738,530	793	\$ 258,972,804

Please see Foreword for detail on this dollar total.

Current Fiscal Year and Historical Award Summaries

Awards by Fund Source

Comparison Totals for Fiscal Year '97



July - June

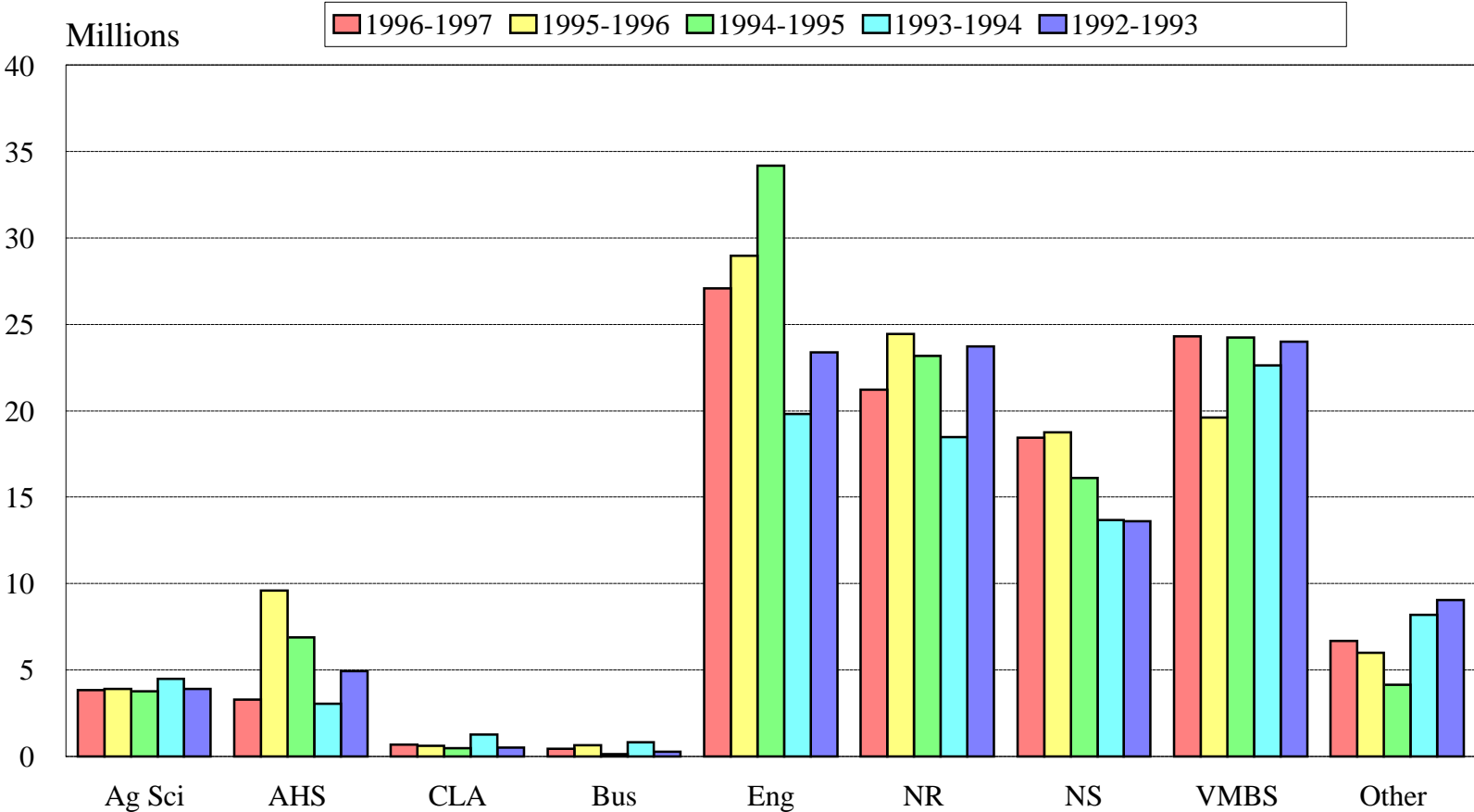
Comparison Cumulative Fiscal Year Awards to Same Period Previous Fiscal Year

Sponsor	#	1996-1997	#	1995-1996	#	1994-1995	#	1993-1994	#	1992-1993
Commercial and Non-Profit	452	\$ 18,032,149	496	\$ 15,796,169	492	\$ 15,173,196	447	\$ 16,758,810	339	\$ 18,448,064
Foundations	42	\$ 1,241,744	36	\$ 757,484	36	\$ 1,141,588	34	\$ 785,221	30	\$ 833,892
Institutes	5	\$ 123,562	8	\$ 523,241	6	\$ 1,105,759	5	\$ 408,022	6	\$ 529,445
State of Colorado	176	\$ 10,259,811	186	\$ 17,510,526	186	\$ 11,422,270	195	\$ 7,013,275	158	\$ 8,142,444
Subtotal of Non-Federal	675	\$ 29,657,266	726	\$ 34,587,420	720	\$ 28,842,813	681	\$ 24,965,328	533	\$ 27,953,845
USDA - Department of Agriculture	210	\$ 10,735,887	247	\$ 12,723,524	222	\$ 16,779,349	228	\$ 12,305,963	184	\$ 18,770,279
DOC - Department of Commerce	33	\$ 7,268,785	31	\$ 5,434,024	25	\$ 3,699,055	29	\$ 3,298,176	27	\$ 3,175,383
DOD - Department of Defense	95	\$ 7,001,261	92	\$ 10,802,960	80	\$ 11,121,688	75	\$ 5,565,298	49	\$ 4,758,011
DOE - Department of Energy	26	\$ 3,558,287	24	\$ 3,291,418	30	\$ 3,461,519	25	\$ 2,584,479	20	\$ 2,015,423
EPA - Environmental Protection Agency	24	\$ 2,199,218	15	\$ 1,024,768	13	\$ 799,804	20	\$ 1,293,778	15	\$ 832,804
HHS - Health & Human Services	152	\$ 22,983,558	152	\$ 21,185,832	131	\$ 21,905,519	144	\$ 22,214,400	143	\$ 22,414,866
USDI - Department of the Interior	105	\$ 4,334,893	118	\$ 5,285,088	145	\$ 7,453,870	126	\$ 4,874,097	137	\$ 6,749,828
NASA - National Aeronautics & Space Administration	36	\$ 3,549,625	27	\$ 2,703,977	33	\$ 2,530,138	37	\$ 2,454,387	37	\$ 2,594,236
NSF - National Science Foundation	139	\$ 12,152,065	144	\$ 12,542,588	155	\$ 12,030,326	125	\$ 9,418,519	124	\$ 9,638,731
Miscellaneous Federal	22	\$ 2,592,673	22	\$ 2,944,921	36	\$ 4,539,409	33	\$ 3,462,555	45	\$ 4,534,585
*** TOTAL ***	1517	\$ 106,033,518	1598	\$ 112,526,520	1590	\$ 113,163,490	1523	\$ 92,436,980	1314	\$ 103,437,991

Please see Foreword for detail on this dollar total.

Awards by College

Comparison of Awards Received by Fiscal Years '93-'97



July - June

Comparison Cumulative Fiscal Year Awards to Same Period Previous Fiscal Year

College	#	1996-1997	#	1995-1996	#	1994-1995	#	1993-1994	#	1992-1993
Ag Sci - Agricultural Sciences	168	\$ 3,840,704	212	\$ 3,900,509	215	\$ 3,751,863	184	\$ 4,476,899	159	\$ 3,908,354
AHS - Applied Human Sciences	61	\$ 3,291,381	83	\$ 9,601,759	101	\$ 6,908,108	86	\$ 3,045,815	72	\$ 4,918,301
CLA - Liberal Arts	18	\$ 698,164	16	\$ 625,581	17	\$ 489,465	18	\$ 1,274,742	14	\$ 497,214
Bus - Business	8	\$ 429,788	13	\$ 643,893	5	\$ 149,914	28	\$ 823,496	15	\$ 288,070
Eng - Engineering	320	\$ 27,078,122	332	\$ 28,980,526	385	\$ 34,183,573	354	\$ 19,817,314	287	\$ 23,384,528
NR - Natural Resources	372	\$ 21,228,909	380	\$ 24,442,863	337	\$ 23,165,054	328	\$ 18,482,627	267	\$ 23,736,580
NS - Natural Sciences	223	\$ 18,463,014	227	\$ 18,741,030	213	\$ 16,129,289	184	\$ 13,669,588	167	\$ 13,623,284
VMBS - Veterinary Medicine & Biomedical Sciences	257	\$ 24,319,294	238	\$ 19,605,880	232	\$ 24,238,526	217	\$ 22,646,396	196	\$ 24,014,313
Other - Other	90	\$ 6,684,142	97	\$ 5,984,479	85	\$ 4,147,698	124	\$ 8,200,103	137	\$ 9,067,347
*** TOTAL ***	1517	\$ 106,033,518	1598	\$ 112,526,520	1590	\$ 113,163,490	1523	\$ 92,436,980	1314	\$ 103,437,991

[Please see Foreword for detail on this dollar total.](#)

Section II

Proposals Submitted for Current Fiscal Year

College: Agricultural Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Colorado Multicultural Scholars Program	Fenwick,Jack R Roberts,P Elaine	Dean of Agricultural Sciences USDA-CSRS-Coop. States Research Service	07/01/97- 06/30/02	96118301 \$100,000
Discovery Program - Summer Internships for Multicultural Students in Agricultural Science & Applied Human Sciences	Roberts,P Elaine Heird,James C	Dean of Agricultural Sciences US Department of Agriculture	09/01/97- 08/31/99	97018701 \$75,706
Potato Breeding & Cultivar Development in the Southwest	Thompson-Johns,Asunt Holm,David G	San Luis Valley Research Center US Department of Agriculture	03/01/97- 02/28/98	97018801 \$305,174
Potassium Needs of High-yielding Corn & Alfalfa on the Western Slope of Colorado	Davis,Jessica G	Soil & Crop Sciences Potash & Phosphate Institute	01/01/97- 12/31/97	96116501 \$5,950
Enhancing the Sustainability of Dryland Cropping Systems in the Four Corners Area through Reduced Tillage...	Berrada,Abdelfettah Peterson,Gary A	Soil & Crop Sciences USDA-CSRS-SARE-Sust Agri Res & Educ Prog	09/01/97- 08/30/00	96116601 \$199,503
Breeding for Early-Maturing Drought Resistant Wheat with Enhanced Stability	Quick,James S	Soil & Crop Sciences DOS-AID-Agency for Inter. Development	06/01/97- 06/01/01	96123101 \$164,727
N Mineralization & Soil Quality Change from Manure Application in the Semi-arid West	Davis,Jessica G Vigil,Merle	Soil & Crop Sciences USDA-CSRS-CGP-Competitive Grants Program	06/01/97- 05/31/00	96123301 \$278,249
Assessing Salinity/Alkalinity & Development of Salinity Best Management Practices	Davis,Jessica G	Soil & Crop Sciences USDA-CSRS-SARE-Sust Agri Res & Educ Prog	10/01/97- 12/31/99	96127101 \$23,413
FISH-Assisted, Directed Positional Cloning in Wheat	Lapitan,Nora Knudson,Dennis L	Soil & Crop Sciences USDA-CSRS-CGP-Competitive Grants Program	07/01/97- 06/30/00	96131301 \$332,890
Reducing Lagoon Odors with Algae	Davis,Jessica G	Soil & Crop Sciences National Pork Producers Council	07/01/97- 06/30/98	96133101 \$30,000
Prediction of Nitrogen Mineralization from Land Applied Manure	Davis,Jessica G Self,James R	Soil & Crop Sciences Environmental Protection Agency	07/01/97- 06/30/00	97012801 \$300,190
Phytoremediation of Radionuclides in Soils & Surface Water	Fenwick,Jack R Cardon,Grant E	Soil & Crop Sciences Environmental Protection Agency	07/01/97- 06/30/98	97022601 \$24,862
Determination of the Photosynthetic & Respiratory Components of Atmosphere-ecosystem Carbon Exchange...	Kelly,Eugene F Schimel,David S	Soil & Crop Sciences DOE-Office of Energy Research	09/01/97- 08/31/00	97023001 \$763,530
Phytoremediation of Radionuclides in Soils & Surface Water	Fenwick,Jack R Cardon,Grant E	Soil & Crop Sciences US Department of Energy	09/01/97- 08/30/98	97051801 \$29,604
Validation of USDA Frame Size & Muscle Thickness Specifications for Feeder Cattle	Tatum,Joseph D Belk,Keith	Animal Sciences USDA-AMS-Agricultural Marketing Service	04/01/97- 03/31/98	97011101 \$50,180
Effects of Calf Removal & Time of Insemination on Pregnancy Rates of Suckled Beef Cows Inseminated...	Geary,Thomas W Whittier,Jack C	Animal Sciences National Association of Animal Breeders	07/01/97- 06/30/98	97016801 \$14,920
Modifications of the Select Synch Protocol to Maximize Pregnancy Rates in Beef Cows	Geary,Thomas W Whittier,Jack C	Animal Sciences Select Sires Incorporated	05/01/97- 05/01/98	97030501 \$11,963
Support Center for Smaller Scale Meat & Poultry Plants	Schmidt,Glenn R McCarthy,Anne M	Animal Sciences US Department of Agriculture	07/01/97- 11/30/97	97034301 \$25,000
A Strategic Decision Support System for Beef Cattle Producers	Bourdon,Richard M	Animal Sciences US Department of Agriculture	10/01/97- 09/30/99	97049801 \$540,506
Bacterial Attachment, Penetration, Removal, Inactivation, Injury, & Development of Resistance's by Exposure to Meat...	Sofos,John N	Animal Sciences US Department of Agriculture	09/01/97- 09/01/00	97056401 \$108,000

College: Agricultural Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Risk Management in Colorado Agriculture	Dalsted,Norman L Skold,Melvin D	Agricultural & Resource Economics Oklahoma State University	10/01/96- 09/30/97	96084501 \$8,000
Testing New Tools for Enhanced Rural Growth Management	Eckert,Jerry	Agricultural & Resource Economics USDA-CSRS-CGP-Competitive Grants Program	06/01/97- 05/31/99	97006101 \$180,554
Economic Impact of Aquaculture in the Intermountain West	Loomis,John B	Agricultural & Resource Economics US Department of Agriculture	10/01/97- 05/31/99	97025601 \$74,369
Economic Analysis of the Colorado Green Industry	Gray,Sanford L McKean,John R	Agricultural & Resource Economics GreenCO Foundation	04/01/97- 10/31/97	97039501 \$13,724
Water Use Efficiency & Stress Resistance Interactions among Trees & Turfgrass	Wallner,Stephen J Findley,D	Horticulture & Landscape Arch International Society of Arboriculture	10/01/97- 09/30/99	97048501 \$14,826
North American Potato Late Blight Symposium	Brown,William M	Plant Pathology & Weed Science USDA-ES-CES-Cooperative Extension Srv	10/01/96- 09/30/97	96083601 \$33,000
Overwintering of Late Blight & Ring Rot Pathogens in Volunteer Potatoes in Colorado	Schwartz,Howard F Hill,Joseph P	Plant Pathology & Weed Sciences USDA-CSRS-SRG-Special Research Grants	04/01/97- 03/31/98	96094701 \$43,647
Biocontrol of Tomato Root Diseases in Inert Media	Basham,Charles W Brown,William M	Plant Pathology & Weed Science USDA-Agri. Experiment Station / Hatch	04/01/97- 03/31/98	96114701 \$28,265
Biology, Genetics, & Management of Herbicide-resistant Kochia	Nissen,Scott	Plant Pathology & Weed Science Montana State University	06/01/97- 05/31/00	96123201 \$88,694
CCARI-Colorado Center for Agricultural Resource Information	Schwartz,Howard F Shanahan,John	Plant Pathology & Weed Science CCHE-Commission on Higher Education	07/01/97- 06/30/99	97001801 \$634,720
Functional Landscape Mapping of Clavibacter Michiganensis Subsp.sepedonicus	Ishimaru,Carol A Knudson,Dennis L	Plant Pathology & Weed Science USDA-CSRS-SRG-Special Research Grants	04/01/97- 03/31/98	97004401 \$56,680
Interdisciplinary Use of Precision Farming Tools to Improve Pest Management	Westra,Philip Peairs,Frank B	Plant Pathology & Weed Science USDA-Western Region I.P.M. Program	05/01/97- 04/30/99	97014201 \$98,977
Integrated Pest & Water Management in Western Landscapes	Jacobi,William R	Plant Pathology & Weed Science HRI-Horticultural Research Institute	01/01/98- 12/31/98	97050501 \$14,268
Management of Necrotic Ring Spot of Bluegrass in Colorado	Brown,William M Skoglund,Linnea G	Plant Pathology & Weed Science HRI-Horticultural Research Institute	01/01/98- 12/31/98	97050601 \$8,600
Transgenic Plants that Express More than One Gene from a Single Construct	Ranu,Rajinder S	Plant Pathology & Weed Science CATI-Colo. Advanced Technology Institute	07/01/97- 06/30/98	97062701 \$17,500
Ecology of the Desert Cicada in the Riparian Forests of the Lower Colorado River	Kondratieff,Boris C Ellingson,Aaron R	Bioagricultural Sci/Pest Management DOI-USGS-Geological Survey	01/01/97- 06/30/98	97008001 \$33,202
Grasshopper Dynamics at the Interface of Multiple Agroecosystems	MacRae,Ian V Holtzer,Thomas O	Entomology USDA-CSRS-CGP-Competitive Grants Program	07/01/97- 06/30/00	97010701 \$235,325
Center for Dryland Cropping Systems in the Great Plains	Holtzer,Thomas O Peterson,Gary A	Bioagricultural Sci/Pest Management US Department of Agriculture	07/01/97- 02/01/98	97030601 \$25,000
Physical Mapping of Filarial Competence in Aedes Aegypti	Knudson,Dennis L	Bioagricultural Sci/Pest Management HHS-NIH-National Institute of Health	04/01/98- 03/31/03	97078001 \$2,251,832

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Colorado Organizing for Children, Youth & Families at Risk- (CO-CYFAR)	Love,Cathleen T Carroll,Jan B	Dean of Applied Human Sciences USDA-CSRS-CGP-Competitive Grants Program	05/01/97- 04/30/98	96130101 \$150,000
The Transition to School: An Attachment Perspective	Biringen,Zeynep	Human Development & Family Studies HHS-NIH-Child Health & Human Development	09/01/97- 08/31/03	97017701 \$144,924
Changes in Fruit & Vegetable Consumption of Elementary School Students	Auld,Garry W	Food Science & Human Nutrition Colorado Dept Public Health & Environ	10/01/96- 09/30/97	96084701 \$45,000
Establishment of a Colorado Nutrition Network	Anderson,Jennifer E	Food Science & Human Nutrition USDA-FNS-Food & Nutrition Service	10/01/96- 03/30/99	96085101 \$199,961
Effect of a Non-diet Program on Physical Activity, Body Image, & Diet Quality in Obese, Sedentary Women	Anderson,Jennifer E	Food Science & Human Nutrition American Dietetic Assoc. Foundation	01/01/97- 05/15/98	96107201 \$3,008
Energy Expenditure & Fat Oxidation in Black Women	Melby,Christopher L	Food Science & Human Nutrition USDA-CSRS-CGP-Competitive Grants Program	09/01/97- 08/31/00	96123601 \$286,157
Effect of a Non-Diet Program on Physical Activity, Body Image, & Diet Quality in Obese, Sedentary Women	Anderson,Jennifer E	Food Science & Human Nutrition American College of Sports Medicine Fndn	03/17/97- 06/30/98	97017301 \$2,500
Development of a Nutrition Education CD-ROM Program for Low-income Hispanic & Migrant Farm Worker Children	Anderson,Jennifer E	Food Science & Human Nutrition HHS-ACF-Admin. for Children & Families	10/01/97- 09/30/98	97059501 \$49,999
Regulation of Cholesterol Metabolism by Linoleic Acid & Taurochenolic Acid in Genetically Obese Mice...	Allen,Kenneth G D Jansen,G Richard R	Food Science & Human Nutrition American Heart Association	01/01/98- 12/31/98	97068501 \$54,162
The Effects of Differing Dietary Ratios of N-3 to N-6 Fatty Acids on Open & Closed Wound Healing in Normal Dogs	Harris,Mary A Allen,Kenneth G D	Food Science & Human Nutrition Ralston-Purina Company	10/01/97- 09/30/98	97075501 \$51,888
Three Part Validation of a National Food Security Measure with Asians & Pacific Islanders	Anderson,Jennifer E Derrickson,Joda	Food Science & Human Nutrition US Department of Agriculture	09/01/97- 08/31/99	97076402 \$35,243
Interdisciplinary Assistive Technology Training for Related Services	Spencer,Karen Clark	Occupational Therapy US Department of Education	08/20/97- 08/19/00	97010801 \$846,425
Return to Employment through Early Intervention (REEI)	Sample,Pat L	Occupational Therapy DE-Special Education & Rehab. Services	09/01/97- 08/31/00	97037301 \$633,797
Extending a Performance Evaluation for Gerontology - Client-centered Functional Assessment...	Fisher,Anne G	Occupational Therapy HHS-NIH-National Institute of Health	04/01/98- 03/31/01	97075601 \$677,920
Technology & Career Connections: Partnering with Business & Industry	Kotsiopoulos,Antigone Blaesi,Lavon F	Design, Merchand. & Consumer Science CCHE-Commission on Higher Education	07/01/97- 06/30/02	96113601 \$992,700
Aging, Energy & Nutrient Balance: Role of Skeletal Muscle	Davy,Kevin P	Exercise & Sport Science HHS-NIH-National Institute of Health	08/15/97- 02/14/98	97059701 \$72,446
Diet & Exercise Effects in Obese Postmenopausal Women	Davy,Kevin P	Exercise & Sport Science HHS-PHS-Aging Research	08/15/97- 05/31/01	97075101 \$358,793
Teenage Vehicle Emissions Education Network	Wolff,Birgit H	Manufacturing Tech & Constrtn Mgmt Colorado Dept Public Health & Environ	01/01/97- 12/31/97	96102001 \$24,870
Pollution Prevention: Cars, Cultures & Cures	Wolff,Birgit H Bohren,Lenora	Manufacturing Tech & Constrtn Mgmt EPA-Air Pollution Control Research	09/01/97- 08/31/98	97021901 \$96,328
Evaluate Remote Sensing of NO Emissions from Light-duty Vehicles	Wolff,Birgit H	Manufacturing Tech & Constrtn Mgmt Coordinating Research Council	03/14/97- 12/30/97	97022301 \$143,695

College: Applied Human Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Technology Learning Grant - Distance Learning for Social Services Staff & Foster Parents in Rural Areas of Colorado	Granger,Ben P	Social Work CCHE-Commission on Higher Education	01/01/97- 06/30/99	97007101 \$234,460
Strengths & Stresses: Growing Up on Farms & Ranches	Seiz,Robert Downey,Eleanor P	Social Work HHS-CDC-Centers for Disease Control	09/30/97- 09/29/00	97064201 \$588,014
Linking to Support Quality Instruction	Gould,Lois	School of Education CCHE-Commission on Higher Education	07/01/96- 06/30/97	96077501 \$49,806
Standards Alignment through Partnership	Mantle-Bromley,C	School of Education CCHE-Commission on Higher Education	07/01/96- 06/30/97	96077601 \$49,982
Age Expansion of the Children's Motivation / Interest Questionnaire	Morgan,George A	School of Education University of Colorado Health Sci Ctr	09/15/96- 09/30/97	96103001 \$4,970
Partnerships for Induction & Professional Development	Gould,Lois	School of Education CCHE-Commission on Higher Education	10/01/96- 06/30/97	96107601 \$19,971
Stories of Practice in Educational Leadership	Danzig,Arnold	School of Education CCHE-Commission on Higher Education	10/01/96- 06/30/97	96107901 \$13,768
A Validity Study of the PLACE Assessment - K-12	Cobb,R Brian	School of Education CCHE-Commission on Higher Education	10/01/96- 06/30/97	96108301 \$19,826
Student Support Services for Students with Learning Disabilities	Aragon,Geraldine J Ginsberg,Richard	School of Education US Department of Education	09/01/97- 08/31/02	96118501 \$1,887,633
CSU / Colorado School-to-Career Partnership Project	Cobb,R Brian	School of Education CCHE-Commission on Higher Education	07/01/97- 06/30/99	97006301 \$232,500
Interactive Two-way Video Instructional System	Jansen,Duane G Ginsberg,Richard	School of Education CCHE-Commission on Higher Education	07/01/97- 06/30/99	97007001 \$222,375
Develop & Test a Process of Customized Teacher Professional Growth	Ginsberg,Richard	School of Education James S. McDonnell Foundation	09/01/97- 09/30/99	97017201 \$77,000
ISM(N) Curricular & Faculty Development Project - The Impact of the ISM(N) Training on Future Teachers	McWhorter,Barbara A Paccione,Angela	School of Education ISM(N)-Institute for Public Media Arts	04/01/97- 07/31/98	97022201 \$22,000
Tech Prep Technical Assistance	Gloeckner,Gene Lyons,Linda	School of Education C.D. of Ed./Comm. College & Occup. Ed.	07/01/97- 06/30/98	97027601 \$40,000
Effects of PDS Participation on Teachers Professional Development	Mantle-Bromley,Corin	School of Education Spencer Foundation	06/01/97- 12/31/99	97027701 \$145,795
Beyond Borders	Lehmann,Jean P	School of Education US Department of Education	10/01/97- 10/31/00	97035701 \$549,521
Adult Learning & Higher Education: Keys to Student Success	Paccione,Angela McWhorter,Barbara A	School of Education NCAL-National Center on Adult Learning	09/01/97- 09/30/98	97036701 \$5,000
National Telementoring Center	Cobb,R Brian	School of Education DOC-NTIA-Nat. Telecomm. & Inform. Admin.	10/01/97- 09/30/99	97037501 \$249,666
Colorado Odysseus Project for Excellence in Education (COPE/E)	Richburg,Robert W	School of Education Colorado Department of Education	10/01/97- 09/30/99	97058701 \$50,375
Partners in Transition	Lehmann,Jean P	School of Education US Department of Education	01/01/98- 12/31/00	97063401 \$1,001,143

College: Liberal Arts – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Content Standards Enhancement - K-12	Hoffert,Robert W	Dean of Liberal Arts CCHE-Commission on Higher Education	10/01/96- 06/30/97	96108401 \$19,890
Modes of Inquiry - Development of a Schools - College Cooperation & Curriculum Reform Program	Pierce,James C Hoffert,Robert W	Dean of Liberal Arts DE-FIPSE-Fund Imp. of Post. Sec. Educ.	09/01/97- 08/31/00	96117101 \$302,780
Reciprocal Experiential Learning: A School-to-Career Curricula Grant	Crabtree,Loren W Raich,John C	Dean of Liberal Arts CCHE-Commission on Higher Education	12/01/96- 09/30/97	96118201 \$10,000
Crossing Borders: Reconceptualizing Area Studies	Keller,Robert R	Dean of Liberal Arts Ford Foundation	07/01/97- 09/30/98	97028001 \$49,781
Modes of Inquiry - CSU-Poudre School District K-12	Pierce,James C	Dean of Liberal Arts DE-FIPSE-Fund Imp. of Post. Sec. Educ.	09/01/97- 08/31/00	97029301 \$283,914
Colorado International Invitational Poster Exhibition	Frickman,Linda G	Art City of Fort Collins - Fort Fund	09/11/97- 10/24/97	96134001 \$5,000
Investment Choices & Return on Self Directed Pension Plans: Implications for Social Security Privatization	Bajtelsmit,Vickie L Bernasek,Alexandra	Economics AARP-American Assoc. for Retired Persons	07/01/97- 12/31/97	97066901 \$60,000
The Curriculum Integration Project - Communication Skills, Team-building Skills, Considerations of Ethical Issues...	Palmquist,Michael E Siller,Thomas J	English NSF-EHR-Education & Human Resources	07/01/98- 06/30/01	97063201 \$232,870
American Women Reformers & Internationalism, 1900-1960	Alexander,Ruth M	History NEH-DEP-Division of Education Programs	06/01/97- 08/31/97	96102801 \$4,000
Outdoor Cafe Theatre Season	Burns,Morris U	Music, Theatre & Dance City of Fort Collins - Fort Fund	06/24/97- 07/26/97	97014901 \$4,000
Transformation of Brazilian Environmental Policy & its Impact	Peak,G Wayne	Political Science Institute for the Study/World Politics	07/01/96- 03/31/97	96076101 \$4,000
Modeling International Cooperation for Space Exploration & Global Environmental Change	Lester,James P Sadeh,Eligar	Political Science NSF-SBE-Social, Behav & Econ Sciences	06/01/97- 05/31/98	97007201 \$8,000
Enhancing Student Engineers' Communication Skills with Computer-Aided Instruction	Vest,David Palmquist,Michael E	Speech Communication NSF-EHR-Education & Human Resources	09/01/98- 08/30/00	97063701 \$269,960
Offenders in Halfway Houses: Programmatic Impact on Their Recidivism	Unnithan,N Prabha Lacy,Michael G	Sociology DOJ-OJP-NIJ-National Inst. of Justice	06/01/97- 07/31/98	96085201 \$128,543
Business Index Reporting Service for Irrigation Districts & Canal Companies	Wilkins-Wells,John R Anderson,Raymond L	Sociology US Department of Agriculture	09/01/97- 08/31/00	97051601 \$340,211
From Tourism to Prostitution: Understanding Women's Transition from the Tourist Industry to the Sex Industry...	Raulli,Julie A	Sociology Inter-American Foundation - Indpt Fedrl	01/15/98- 11/15/98	97074401 \$10,175
Communication Information Processing Approach for Developing Nutrition Education Methodology	Rouner,Donna Slater,Michael D	Journalism & Technical Communications USDA-FNS-Food & Nutrition Service	10/01/96- 09/30/97	96087701 \$64,444
Influence of Newsroom Management on Journalists	Singer,Jane B	Journalism & Technical Communications NEH-DEP-Division of Education Programs	06/01/97- 07/31/97	96102901 \$4,000
Communicating Strategies to Grocery Consumers to Reduce Their Dietary Exposure to Chemical Pesticides	Zimmerman,Donald E Slater,Michael D	Journalism & Technical Communications EPA-Pesticides Control Research	10/01/97- 11/01/00	97019601 \$811,551
Developing a Research-Based Model for Farm & Ranch Safety Communication Campaigns	Zimmerman,Donald E Slater,Michael D	Journalism & Technical Communications US Department of Agriculture	10/01/97- 11/01/00	97048001 \$593,099College:

Business – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Reengineering of Distance Education MBA	Clark,Jon D Switzer,Jamie	Business College CCHE-Commission on Higher Education	10/01/96- 09/30/01	96114101 \$862,751
Privatizing Social Security: A Portfolio Model of Retirement Income	Bajtelsmit,Vickie L	Finance & Real Estate TIAA-CREF/Teachers Insur./Annuity Assoc.	11/01/96- 08/31/97	96100001 \$12,100
Transcending Barriers: Using Technology to Improve Economic & Business Education for Colorado Schools...	Tucker,Mary McCarthy,Anne M	Management CCHE-Commission on Higher Education	07/01/97- 06/30/99	97001501 \$446,624
The Virtual Instructor's Assistant - Interactive, Computerized Materials & Testing	Middlemist,R Dennis	Management CCHE-Commission on Higher Education	07/01/97- 06/30/99	97001701 \$74,361

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Undergraduate Research Opportunities for Minority Student	Gessler,Johannes	Dean of Engineering US Department of Energy	01/01/98- 12/31/00	97057401 \$204,796
Stream Water Quality Technology Development	Garcia,Luis	Chemical & Bioresource Engineering DOI-Bureau of Reclamation	08/01/96- 09/30/99	96077701 \$18,018
Sustainable Wetland Water Management & Control of Saline Return Flows to the San Joaquin River using GIS-based...	Garcia,Luis	Chemical & Bioresource Engineering EPA-Wetlands Protection-State Devel Grnt	09/01/96- 08/31/97	96086501 \$51,133
Decision Support System for Modeling Water Quantity of Agricultural Drainage in Arid ...	Garcia,Luis	Chemical & Bioresource Engineering NSF - Engineering Grant	10/01/97- 09/30/01	96114001 \$211,974
Design & Management of Irrigation & Drainage System for On-Farm Water Management	Garcia,Luis	Chemical & Bioresource Engineering DOS-AID-Agency for Inter. Development	01/01/97- 09/30/99	96123001 \$149,314
Future Strategies & Policy Reforms for Better On-Farm Management in Egypt	Oad,Ramchand Podmore,Terence H	Chemical & Bioresource Engineering USDA-CSRS-CGP-Competitive Grants Program	01/01/97- 12/31/99	96123401 \$164,489
Transition-metal Compatibilization of Immiscible Polymer-Polymer Blends	Belfiore,Laurence A	Chemical & Bioresource Engineering Petroleum Research Fund	06/01/96- 08/31/00	96134901 \$75,000
Fresh Water Created/Restored Wetland Planning Decision Support System	Garcia,Luis	Chemical & Bioresource Engineering Environmental Protection Agency	06/01/97- 05/30/00	97012701 \$288,185
Activity Enhancement of a Constitutive Trichloroethylene Degrading Bacterium for In Situ Bioaugmentation	Reardon,Kenneth F Klein,Donald A	Chemical & Bioresource Engineering Environmental Protection Agency	08/01/97- 07/31/00	97013001 \$360,958
Fluorescence Monitoring of Microbial Activity in Soil & Gas Bioremediation Systems	Reardon,Kenneth F Menoni,Carmen S	Chemical & Bioresource Engineering Environmental Protection Agency	08/01/97- 07/31/00	97013101 \$352,377
Fluorescence Monitoring of Microbial Activity during Biological Chromate Reduction	Reardon,Kenneth F Menoni,Carmen S	Chemical & Bioresource Engineering DOE-Office of Energy Research	08/01/97- 07/31/00	97014801 \$833,312
Design & Management of Irrigation & Drainage Systems for Water Quality	Garcia,Luis	Chemical & Bioresource Engineering USDA-CSRS-CGP-Competitive Grants Program	06/01/97- 05/31/00	97019001 \$325,281
Quadricyclane & Chemical Transport in Porous Medium: Theory & Experiments	Durnford,Deanna S	Chemical & Bioresource Engineering DOD-USAF-Air Force	08/01/97- 07/31/97	97034001 \$27,532
Platte Basin Optimal Instream Flow Transfer Model	Garcia,Luis Ward,Robert C	Chemical & Bioresource Engineering DOI-USGS-Geological Survey	09/01/97- 08/01/99	97035301 \$88,155
Improving Irrigation Management with the Navajo Nation	Podmore,Terence H	Chemical & Bioresource Engineering US Department of Agriculture	09/01/97- 08/31/00	97046301 \$448,317
Development of High Quality Single Cell Protein from Agro-Industrial Residues	Henk,Linda Lou Linden,James C	Chemical & Bioresource Engineering US Department of Agriculture	10/01/97- 09/30/00	97048101 \$565,543
Improving Agricultural Performance through Local Leadership - Arkansas Valley	Clyma,Wayne	Chemical & Bioresource Engineering US Department of Agriculture	08/01/97- 04/30/99	97052101 \$599,385
USDA National Needs Fellowship -- Water Resources Problems in Urban/Agricultural Competition for Water	Loftis,Jim C	Chemical & Bioresource Engineering US Department of Agriculture	01/01/98- 12/31/02	97055801 \$216,000
Demonstrating a New Technology to Improve Nitrogen & Water Use Efficiency	Broner,Israel	Chemical & Bioresource Engineering Colorado Dept Public Health & Environ	01/01/98- 12/31/01	97058501 \$68,009
Cellulase Production from Spent Brewers Grains	Henk,Linda Lou Linden,James C	Chemical & Bioresource Engineering CIRB-Colo. Inst. of Research in Biotech.	07/01/97- 06/30/98	97061001 \$17,496

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Water Requirements for Grapes	Gates,Timothy K Clyma,Wayne	Chemical & Bioresource Engineering Ronco Consulting Corporation	08/01/97- 07/31/02	97061501 \$149,694
Irrigation Systems for Grape Vines under Different Soil Types & Conditions	Gates,Timothy K Clyma,Wayne	Chemical & Bioresource Engineering Ronco Consulting Corporation	08/01/97- 07/31/02	97061601 \$149,887
Evaluation of the Necessity of Hydrocarbon Removal from Source Zones	McWhorter,David B	Chemical & Bioresource Engineering American Petroleum Institute	06/25/97- 12/31/98	97067001 \$82,940
Concentration of Paper Fines in an Inertial Migration Based Branch Tube Separator	Rakow,Allen L Dandy,David S	Chemical & Bioresource Engineering TAPPI Foundation, Inc.	12/01/97- 11/30/98	97068201 \$34,157
Reactor Scale Modeling of Diamond Deposition in Microwave & Hot-Filament Reactors	Dandy,David S	Chemical & Bioresource Engineering DOD-NAVY-NRL-Naval Research Lab	08/01/97- 07/31/00	97073901 \$271,926
The Use of Hyperelastic Particles for Mapping Wall Shear & Flow Separation in Branched Fluid-particle Separators	Dandy,David S Rakow,Allen L	Chemical & Bioresource Engineering NSF - Engineering Grant	11/01/97- 10/31/00	97074501 \$335,175
Nonflowing Chemical Processing for Thin Film Manufacturing	McConica,Carol M Edwards,Harry W	Chemical & Bioresource Engineering NSF - Engineering Grant	10/01/97- 09/30/99	97075301 \$99,999
Observing & Modeling Land Surface Effects on Boundary Layer Evolution in the Inaugural Field Program...	Pielke,Roger A	Atmospheric Science NSF-GEO-Geosciences	12/01/96- 11/30/99	96079301 \$352,656
Application of Influence Functions to Analysis & Interpretation of Tropospheric Trace Gas Data	Pielke,Roger A Uliasz,Marek	Atmospheric Science National Aeronautics & Space Admin.	01/01/97- 12/31/00	96079401 \$348,799
On the Structure & Dynamics of the Hurricane's Inner Core	Gray,William M	Atmospheric Science NSF-GEO-Geosciences	09/01/96- 08/31/99	96080301 \$420,413
Analysis of Ice Nucleating Aerosol Measurement during SUCCESS - April, May 1996	Rogers,David C Kreidenweis,Sonia M	Atmospheric Science National Aeronautics & Space Admin.	01/01/97- 12/31/97	96087801 \$69,575
Convection & the Atmospheric Boundary Layer	Johnson,Richard H	Atmospheric Science NSF-GEO-Geosciences	03/01/97- 02/28/00	96093801 \$516,358
Validation Studies & Algorithm Refinement in Support of TRMM (Tropical Rainfall Measuring Mission)	Rutledge,Steven A Stephens,Graeme L	Atmospheric Science National Aeronautics & Space Admin.	09/01/97- 08/31/00	96116801 \$448,333
Analysis of the Diurnal Cycle of Precipitation & its Relation to Cloud Forcing using TRMM Products	Randall,David A Fowler,Laura Dorothy	Atmospheric Science National Aeronautics & Space Admin.	07/01/97- 06/30/00	96116901 \$358,418
Determination of the Horizontal Diffusion Coefficient for Use in Air Quality Models	Pielke,Roger A	Atmospheric Science AlphaTrac, Inc.	07/01/97- 06/30/98	96118102 \$46,874
Radiative Properties of Cloud-Processed Aerosols: Mixtures of Nonabsorbing & Carbonaceous Species	Kreidenweis,Sonia M Feingold,Graham	Atmospheric Science US Department of Energy	07/01/97- 06/30/99	96121901 \$179,649
PICASSO Satellite Mission - Study of the Distribution & Properties of High Thin Clouds & Aerosols	Stephens,Graeme L	Atmospheric Science NASA-Langley Research Center	04/01/98- 12/31/03	96131801 \$827,000
CloudSat Management Satellite Mission - The Distribution & Properties of Clouds	Stephens,Graeme L	Atmospheric Science National Aeronautics & Space Admin.	04/01/98- 12/31/03	96133601 \$1,066,500
Assessment of Customized Mesoscale Numerical Weather Prediction Products for Numerical...	Cotton,William R	Atmospheric Science UCAR-NCAR-COMET Atmospheric Tech. Divis.	05/01/97- 05/01/99	97013601 \$72,150
Convective & Boundary-layer Processes over the South China Sea during SCSMEX	Johnson,Richard H Parsons,David B	Atmospheric Science NSF-GEO-Geosciences	10/01/97- 09/30/00	97013801 \$336,352

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Cloud Studies with an Airborne Cloud Radar	Stephens,Graeme L	Atmospheric Science Calif. Inst. of Tech/Jet Propulsion Lab	05/01/97- 04/30/00	97019801 \$189,772
Application of a Tracer Technique to Study Sulfur Dioxide Oxidation in Cloud Drops as a function...	Collett,Jeffrey L J	Atmospheric Science NSF-GEO-Geosciences	11/01/97- 10/31/00	97026801 \$331,004
Reconstructing Snow-Depth Distributions using MODIS Snow-cover Products & a Regional Atmospheric Model	Liston,Glen E Pielke,Roger A	Atmospheric Science NASA-Goddard	04/01/97- 09/30/97	97027901 \$25,000
Relations between Ice Nuclei & Ice Formation in Clouds	Rogers,David C Demott,Paul J	Atmospheric Science NSF-GEO-Geosciences	10/01/97- 09/30/00	97041101 \$338,737
Simulations of Hurricane Landfall-sensitivity to Assimilating Satellite & Radar Observations...	Cotton,William R Vonderhaar,Thomas H	Atmospheric Science NSF-GEO-Geosciences	09/15/97- 09/14/00	97041301 \$379,283
Studies of Aerosol, Cloud, Turbulence, & Radiation Interactions in Arctic Stratus Clouds	Kreidenweis-Dandy,S Cotton,William R	Atmospheric Science DOE-Office of Energy Research	11/01/97- 10/31/00	97046201 \$506,889
The Use of Lidar/Radiometer (LIRAD) in the ARM Program to Obtain Optical Properties & Microphysics...	Stephens,Graeme L	Atmospheric Science DOE-Office of Energy Research	11/01/97- 10/31/00	97046501 \$668,809
Refinement & Testing of a Mesoscale Convective System Parameterization Scheme	Cotton,William R	Atmospheric Science US Department of Energy	11/01/97- 10/31/00	97048401 \$317,963
Climate Analysis & Extended Range Seasonal Prediction	Gray,William M	Atmospheric Science NSF-GEO-Geosciences	11/01/97- 10/31/00	97054101 \$445,094
Application of MISR Radiances for Establishing the Representativeness of the Bi-directional Reflectance Functions	Cox,Stephen K	Atmospheric Science National Aeronautics & Space Admin.	01/01/98- 12/31/00	97055401 \$339,396
Coupling Atmospheric, Ecologic, & Hydrologic Processes in a Regional Climate Model	Pielke,Roger A Liston,Glen E	Atmospheric Science National Aeronautics & Space Admin.	11/01/97- 10/31/00	97058601 \$358,171
Assessing the Impact of Remote Sensing Data on the Cloudiness Predictions in Short-term Forecasts	Stephens,Graeme L	Atmospheric Science National Aeronautics & Space Admin.	09/01/97- 08/31/00	97058901 \$544,057
Validation of Aerosol Optical Properties, Bi-directional Reflectance Distribution Function & Atmospheric Correction...	Stephens,Graeme L	Atmospheric Science National Aeronautics & Space Admin.	09/01/97- 08/31/00	97062601 \$568,172
Modeled Radiative Properties of the Atmospheric Aerosol from Measurement-based Mixture	Fuller,Kirk A Kreidenweis-Dandy,S	Atmospheric Science DOE-Office of Energy Research	01/01/98- 12/31/01	97062801 \$344,942
Dynamical & Electrical Studies of Convection	Rutledge,Steven A	Atmospheric Science NSF-GEO-Geosciences	10/01/97- 09/30/00	97070301 \$435,837
National Boundary Containment System Model Update	Warner,James W	Civil Engineering DOD-ARMY-Rocky Mountain Arsenal	09/01/96- 03/31/97	96086301 \$30,041
Multidimensional Soil Erosion / Deposition Modeling	Julien,Pierre Y	Civil Engineering DOD-ARMY-CERL-Const. Engineer. Res. Lab.	09/01/96- 12/31/96	96086401 \$76,225
Undergraduate Research Opportunities in Water Resources	Ramirez,Jorge A Hannah,Judith L	Civil Engineering NSF - Engineering Grant	06/01/97- 07/31/99	96101301 \$231,565
Youth, Environment, & Community Institute: University, K-12 & Industry Partnership for Education	Grigg,Neil S	Civil Engineering CCHE-Commission on Higher Education	09/01/96- 05/31/97	96108001 \$20,200
Significance of the Coriolis Force in the Flow of the Mississippi River	Julien,Pierre Y Eykholt,Richard E	Civil Engineering NSF - Engineering Grant	05/01/97- 05/01/00	96113401 \$227,632

College: Engineering – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Geomorphic & Hydraulic Evaluations of Natural Step-pool Channels	Abt,Steven R	Civil Engineering DOD-ARMY-Corps of Engineers	01/01/97- 09/30/98	96122201 \$26,642
Integrating Condition Indices, Performance Measures, & Quadrant Decision Processes	Abt,Steven R Thornton,Christopher	Civil Engineering DOD-ARMY-Corps of Engineers	01/15/97- 01/14/98	96124301 \$49,471
Internment - Tule Lake	Sunada,Daniel K	Civil Engineering Civil Liberties Public Education Fund	03/01/97- 06/30/98	96133201 \$51,255
Incremental Civil Engineering Learning for K-12 Schools	Gutkowski,Richard M Grigg,Neil S	Civil Engineering CCHE-Commission on Higher Education	07/01/97- 06/30/99	97001601 \$387,400
Excellence in Learning through Technology - Adult Distance Learning	Szrot,Robert B Fontane,Darrell G	Civil Engineering CCHE-Commission on Higher Education	03/01/97- 06/30/99	97005501 \$450,379
Tribal Education Outreach through Interactive Satellite Linkage	Szrot,Robert E Hall,Ronald	Civil Engineering CCHE-Commission on Higher Education	03/01/97- 06/30/99	97006901 \$505,979
Adaptive Wood Composting: Theory & Measurement	Heyliger,Paul R	Civil Engineering USDA-CSRS-CGP-Competitive Grants Program	07/01/97- 06/30/99	97010501 \$83,526
Enzyme Based Biosensors with Electro-chemical Coenzyme Regeneration for Water Quality	Reardon,Kenneth F Linden,James C	Civil Engineering National Aeronautics & Space Admin.	07/01/97- 06/30/98	97014501 \$22,000
Two Dimensional Dynamic Modeling of Run-off & Sediment Yield from Urban & Human-perturb...	Julien,Pierre Y Watson,Chester C	Civil Engineering EPA-Water Pollution Control/R&D	05/01/97- 05/01/00	97015201 \$616,415
Center for GeoEnvironmental Mitigation & Remediation	Nelson,John D	Civil Engineering NSF - Engineering Grant	01/01/98- 12/31/02	97029601 \$9,886,252
A New Challenge: Environmental Management Decisions in a Total Quality Organization	Fontane,Darrell G Thornton,Billy M	Civil Engineering NSF-SBE-Social, Behav & Econ Sciences	07/01/97- 08/01/00	97029701 \$275,616
Center for Water Management in Rural Western America	Grigg,Neil S	Civil Engineering US Department of Agriculture	09/30/97- 01/31/98	97030701 \$25,000
The Interaction of Kinetic Energy Penetrators with Geomaterials & Concrete	Charlie,Wayne A	Civil Engineering DOD-USAF-Air Force	09/01/97- 08/01/00	97033901 \$134,841
Durability of Timber Bridges	Gutkowski,Richard M Peterson,Michael	Civil Engineering DOT-Federal Highway Administration	09/01/97- 03/31/00	97034801 \$174,977
Frictionless Contact of Layered Piezoelectric Media	Heyliger,Paul R	Civil Engineering NSF - Engineering Grant	11/01/97- 10/31/99	97035801 \$108,346
Largest Historical Earthquake in Colorado, November 7, 1882: Magnitude 6.5; Search for Historical Info - Union Pacific RR...	Charlie,Wayne A Doehring,Donald O	Civil Engineering DOI-USGS-Geological Survey	11/01/97- 10/30/98	97037801 \$19,884
Correcting Environmental Pollution in Environmental Justice Communities	Albertson,Maurice	Civil Engineering Environmental Protection Agency	08/15/97- 08/14/98	97039701 \$248,920
Western Alliance to Expand Student Opportunities Summer 1997 Project	Sunada,Daniel K	Civil Engineering Arizona State University	05/15/97- 08/15/97	97041201 \$756
Interaction of Surface Runoff, Micro & Macrotopography & Infiltration	Ramirez,Jorge A	Civil Engineering NSF-GEO-Geosciences	09/01/97- 09/30/00	97054701 \$289,440
Food & Agricultural Sciences National Needs Graduate Fellowship -- Wood Engineering	Gutkowski,Richard M Criswell,Marvin E	Civil Engineering US Department of Agriculture	10/01/97- 09/30/02	97056701 \$216,000

College: Engineering – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
CANLEX Blasting Experiment Summer 1997 - Reducing Earthquake Hazards	Charlie,Wayne A	Civil Engineering NSF - Engineering Grant	06/01/97- 12/31/97	97059901 \$20,000
Pump Station Design Manual, Training Course & Station Design Software Package	Ruff,James F Skinner,Morris M	Civil Engineering DOT-Federal Highway Administration	09/01/97- 08/31/99	97063601 \$390,876
Critical/Reflective Thinking & Problem Solving in Engineering Education	Siller,Thomas J	Civil Engineering NSF - Engineering Grant	01/01/98- 12/31/01	97064001 \$310,336
Orthotropic Modifications for Lemmons Calculations	Heyliger,Paul R	Civil Engineering DOC-NIST-Nat. Inst. Standards & Technology	06/23/97- 09/30/97	97068601 \$5,000
Software for Integrated Network Communication Architecture	Jayasumana,Anura	Electrical Engineering Mitech Corporation	10/01/96- 09/30/97	96097901 \$62,000
Integrating Plasma Processing & In-situ Monitors for Closed Loop VLSI Fabrication	Collins,George J	Electrical Engineering NSF - Engineering Grant	04/01/97- 03/31/00	96103601 \$326,027
CSU-CHILL Advanced Weather Radar Facility	Lile,Derek L Cox,Stephen K	Electrical Engineering CCHE-Commission on Higher Education	01/01/97- 01/01/02	96110301 \$504,000
Future Applications of Systems & Controls: An Integrated Approach to Research & Education	Young,Peter	Electrical Engineering NSF - Engineering Grant	05/01/97- 04/30/01	96113901 \$200,000
First Generation Microwave Sensor for Inspection of Thick Composite Joints	Zoughi,Reza	Electrical Engineering DOD-NAVY-Naval Surface Warfare Center	12/01/96- 02/28/97	96120501 \$32,554
Microwave Detection of Corrosion (Rust) under Paint & Composite Laminates	Zoughi,Reza	Electrical Engineering Texas Research Institute (NTIAC)	09/01/97- 02/28/98	96122901 \$23,299
Practical Soft X-ray Lasers Based on Discharge Excitation	Rocca,Jorge J G	Electrical Engineering NSF - Engineering Grant	09/01/97- 08/31/00	97002801 \$363,679
Speech Understanding Enhancement by Nonlinear Expansion	Burleigh,Joan M	Electrical Engineering HHS-NIH-NIDCD-Deafness & Other Comm. Dis	01/01/98- 12/31/01	97012501 \$701,200
Plasma Generated Electron Beams	Collins,George J	Electrical Engineering NSF - Engineering Grant	10/01/97- 09/30/00	97030001 \$389,467
Electron Beam Curing of Spin on Glass	Collins,George J	Electrical Engineering NSF - Engineering Grant	11/01/97- 10/31/00	97036301 \$381,131
Development of Picosecond Source of Intense Soft X-ray Pulses - Equipment Development	Rocca,Jorge J G	Electrical Engineering NSF-Sci/Tech Ctr/STI Sci/Tech Infra Ctr	09/15/97- 09/14/01	97037601 \$489,857
Support for the Conference "Soft X-ray Lasers & Applications II"	Rocca,Jorge J G	Electrical Engineering NSF - Engineering Grant	07/01/97- 08/01/97	97038201 \$4,000
Advanced Microwave Sensors for Characterization of Waste Material	Zoughi,Reza	Electrical Engineering Univ Chicago/Argonne Univ Assoc-Argn Lab	09/01/97- 08/31/00	97038401 \$156,228
Centralized HLA/RTI Implementation on a Multithreaded Shared-Memory System	Jayasumana,M A Anura Schug,K	Electrical Engineering DOT-FAA-Federal Aviation Administration	05/15/97- 05/15/98	97041001 \$219,299
Portable Microwave System for Measurement of Fatigue Cracks	Zoughi,Reza	Electrical Engineering Raymond-Lae Engineering/RLE Techn., Inc.	09/01/97- 03/31/98	97049001 \$20,551
Development of Auto Stereoscopic Display using DMD Technology	Chen,Tom	Electrical Engineering US Department of Defense	09/01/97- 08/30/98	97051101 \$99,653

College: Engineering – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Determination of Boron Structure in Complex Silicate Glasses using Broad-band Microwave	Zoughi,Reza	Electrical Engineering CAMI-Advanced Materials Institute/Colo.	07/01/97- 06/30/98	97052201 \$10,000
III-V Nitride Growth	Collins,George J	Electrical Engineering University of Denver	12/15/97- 12/14/00	97053701 \$212,867
Holographic Search Engine for Multimedia Databases	Mitkas,Pericles A	Electrical Engineering US Department of Defense	09/01/97- 08/31/98	97056501 \$98,168
Design Specifications & Laboratory Testing of a Portable Microwave Nondestructive Evaluation System	Zoughi,Reza	Electrical Engineering Texas Research Institute (NTIAC)	01/01/98- 06/30/98	97061301 \$33,322
Development of a Demonstration Microwave Prototype Device for Fiberglass Wall Thickness & Property Change...	Zoughi,Reza	Electrical Engineering Fiberglass Structural Engineering, Inc.	07/01/97- 03/31/98	97067301 \$72,467
International Collaboration for the Development of Efficient Table-Top Soft X-ray Lasers	Rocca,Jorge J G	Electrical Engineering NSF-SBE-Social, Behav & Econ Sciences	01/01/98- 12/31/00	97070601 \$28,057
Detailed Measurement of Weather Related Environment & its Effect on Rotor Performance & Loads in Near & Post...	Winn,C Byron Meroney,Robert N	Mechanical Engineering Midwest Research Institute - NREL	09/01/96- 08/31/99	96077801 \$584,952
Colorado Manufacturing Extension Center	Troxell,Wade O Carlile,Craig	Mechanical Engineering DOC-NIST-Nat. Inst. Standards & Technology	11/01/96- 10/31/97	96078601 \$10,534,405
Effectiveness of Pollution Prevention Surveys at National Parks	Edwards,Harry W	Mechanical Engineering EPA-Pollution Prevention Grants Program	06/01/96- 01/31/97	96078701 \$15,398
Collaborative High-performance Computing Approach to the Fundamental Aspects of Scattering...	Burns,Patrick J	Mechanical Engineering NSF - Engineering Grant	01/01/97- 12/31/99	96082401 \$1,177,228
Rocky Flats Local Impacts Initiative	Troxell,Wade O Carlile,Craig	Mechanical Engineering E.G. & G. Rocky Flats, Inc.	10/01/96- 09/30/98	96083701 \$180,093
Colorado Supplier Development Partnership	Troxell,Wade O Cherian,Sunil	Mechanical Engineering E.G. & G. Rocky Flats, Inc.	01/01/97- 12/31/98	96083801 \$346,000
Cooperative Support of Industrial Design Technology Teaching	Peterson,Michael	Mechanical Engineering Front Range Community College	08/15/96- 05/15/97	96087001 \$10,000
Test Bed for the Manufacturing of MEMS with Advanced Automation using Continuous Air-to-Vacuum...	Sampath,Walajabad S Malaiya,Yashwant K	Mechanical Engineering NSF - Engineering Grant	02/01/97- 01/31/00	96087101 \$1,213,362
Pollution Prevention Workshop for Federal Facility Personnel	Edwards,Harry W	Mechanical Engineering Environmental Protection Agency	08/01/96- 07/31/97	96089401 \$8,100
Diverse Learning Environment through Laptop Computer & Wireless Technology	Jacobs,Harold R Raich,John C	Mechanical Engineering CCHE-Commission on Higher Education	10/01/96- 06/30/97	96092501 \$496,216
Components of Manufacturing Distortion in Composite Materials of Complex Geometry	Radford,Donald W	Mechanical Engineering NSF - Engineering Grant	01/01/97- 01/01/00	96101401 \$262,463
Biomechanical Analysis of Selected Assistance Exercises for the Clean	Alciatore,David	Mechanical Engineering USOC-United States Olympic Committee	01/01/97- 12/31/97	96101801 \$43,210
Multi-media Pollution Prevention Assessment	Edwards,Harry W	Mechanical Engineering Colorado Dept Public Health & Environ	01/01/97- 12/31/97	96101901 \$10,000
Technology is Cool - Linking K-12 & Higher Education Systems	Carlile,Craig Levine,Ann Veverica	Mechanical Engineering CCHE-Commission on Higher Education	10/01/96- 06/30/97	96108201 \$20,000

College: Engineering – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Engines Lab Center of Excellence	Willson,Bryan D	Mechanical Engineering CCHE-Commission on Higher Education	01/01/97- 12/31/01	96113501 \$659,000
Walking Robots in Secondary through Postgraduate Engineering	Peterson,Michael	Mechanical Engineering NSF - Engineering Grant	09/01/97- 08/30/01	96114601 \$192,000
Embedded Control & Communications for Product Life Cycle Monitoring of Highly Complex Devices	Troxell,Wade O	Mechanical Engineering CASI-Colorado Advanced Software Inst.	07/01/97- 06/30/98	96127001 \$58,953
Graduate Fellowships in Mechanical Engineering	James,Susan P Hittle,Douglas C	Mechanical Engineering US Department of Education	08/15/97- 08/15/00	97001401 \$494,019
Collaborative Learning via Video & Internet Over IP	Burns,Patrick J	Mechanical Engineering CCHE-Commission on Higher Education	07/01/97- 06/30/99	97001901 \$360,153
Air-Vacuum-Air (AVA)-- CSS Deposition of ZnTe:n for II-VI Devices	Sampath,Walajabad S Barth,Kurt	Mechanical Engineering NSF - Engineering Grant	08/01/97- 08/01/00	97012201 \$241,840
A Statewide Multimedia High Speed Network for Higher Education & Lifelong Learning	Burns,Patrick J	Mechanical Engineering US Department of Commerce	09/01/96- 07/31/98	97012601 \$602,052
Microstructural, Morphological & Electrical Studies of a Unique Dry Plasma Metal Deposition for Printed Circuit...	Sampath,Walajabad S Barth,Kurt	Mechanical Engineering EPA-Air Pollution Control Research	08/01/97- 08/01/00	97014101 \$241,840
Surface Engineering of Aeropropulsion Materials for Tribological Applications	Wilbur,Paul J	Mechanical Engineering NASA-Lewis Research Center	05/01/97- 04/30/00	97017501 \$234,046
A Computer Model to Compare Joint Loading at Different	Peterson,Michael	Mechanical Engineering Grayson-Jockey Club Research Foundation	09/01/97- 08/30/99	97024001 \$84,996
Establish an International Industrial Efficiency Program	Winn,C Byron	Mechanical Engineering Intl. Institute for Energy Conservation	03/01/97- 03/01/00	97025101 \$528,420
In-Situ Monitoring of Gravity Dependent Material Variation in CVD Manufacture	Peterson,Michael Radford,Donald W	Mechanical Engineering National Aeronautics & Space Admin.	09/01/97- 08/30/01	97025501 \$596,898
Product Realization Institute for Strategic Technologies	Winn,C Byron Bolander,Steven	Mechanical Engineering NSF - Engineering Grant	01/01/98- 01/01/03	97027201 \$3,918,091
Robust Learning Control for Heating, Ventilating, & Air-Conditioning Systems	Hittle,Douglas C Anderson,Charles	Mechanical Engineering NSF - Engineering Grant	07/01/97- 06/30/00	97027501 \$824,989
A Study of Interactive Representation in Autonomous Robotic Agents	Troxell,Wade O Cherian,Sunil	Mechanical Engineering NSF-CISE-Computer & Info Sci & Engin	07/01/97- 06/30/99	97029501 \$340,052
Optimal Operation of Chiller Plants at Kodak Colorado Division	Hittle,Douglas C	Mechanical Engineering Eastman Kodak/Colorado Division	04/01/97- 09/30/98	97031001 \$81,796
Re-balancing Air Distribution Systems	Hittle,Douglas C	Mechanical Engineering Eastman Kodak/Colorado Division	04/01/97- 03/31/98	97031201 \$124,090
Internal Geometry Acquisition Project	Alciatore,David	Mechanical Engineering Wohlers Associates	04/01/97- 07/31/97	97033801 \$13,624
Bovar Plasma Research for Ion Implantation Applications	Wilbur,Paul J	Mechanical Engineering NSF - Engineering Grant	01/09/97- 08/31/00	97036001 \$249,089
Continuous Air to Vacuum to Air (AVA) High Throughput Vacuum Deposition of Thin Films	Sampath,Walajabad S	Mechanical Engineering NSF - Engineering Grant	09/01/97- 09/01/00	97036201 \$207,655

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Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Pulsed CVD Filling of High Aspect Ratio Capillaries	Radford,Donald W Peterson,Michael	Mechanical Engineering NSF - Engineering Grant	09/01/97- 08/30/00	97036401 \$231,692
An Expert System for Current, Prototype & Advanced Manufacturing of ICs	Duff,William S Sampath,Walajabad S	Mechanical Engineering NSF - Engineering Grant	10/01/97- 09/30/00	97037201 \$1,017,517
Energy Transmission Research Center	Willson,Bryan D	Mechanical Engineering Kansas State University	01/01/98- 12/31/02	97037401 \$6,178,480
Development of Advanced Anaerobic Digestion Technologies for Feedlot & Rural Waste Applications	Winn,C Byron Karim,M Nazmul	Mechanical Engineering US Department of Agriculture	10/01/97- 09/30/00	97046401 \$592,236
Technical & Research Experiences for Student Projects	Carlile,Craig	Mechanical Engineering NSF-EHR-Education & Human Resources	01/01/98- 12/31/01	97046601 \$605,873
Ion Implanted Surfaces for Magnetic Evaluation	Wilbur,Paul J	Mechanical Engineering CAMI-Advanced Materials Institute/Colo.	07/01/97- 06/30/98	97051201 \$10,000
Impact Fatigue Study of Composite to Aluminum Joints	Radford,Donald W	Mechanical Engineering CAMI-Advanced Materials Institute/Colo.	07/01/97- 06/30/98	97051401 \$10,000
Exploring Science & Engineering Career Opportunities	Carlile,Craig Jackson,Elizabeth A	Mechanical Engineering US Department of Energy	09/01/97- 08/31/00	97057501 \$102,899
High Throughput Plasma Photoresist Removal with Continuous Air-to-Vacuum-to-Air (AVA) Water Transport	Sampath,Walajabad S Barth,Kurt	Mechanical Engineering NSF - Engineering Grant	09/01/97- 08/31/98	97070201 \$27,533
Assistance for Image Display Techniques & Data Analysis	Eis,Kenneth E	Mechanical Engineering DOI-NPS-National Park Service	07/01/97- 06/30/98	97072201 \$566,452
Engineered Racetracks for Injury Prevention	Peterson,Michael	Mechanical Engineering Southern California Equine Foundation	09/01/97- 08/30/99	97074001 \$87,907
Assistance for Image Display Techniques & Data Analysis	Eis,Kenneth E	CIRA DOI-NPS-National Park Service	07/01/96- 06/30/97	96071201 \$538,493
Statistical Analyses Related to Air Quality & Atmospheric Visibility	Iyer,Hariharan K	CIRA DOI-NPS-National Park Service	07/01/96- 06/30/97	96071601 \$55,178
Analysis of Aerosol & Light Scattering Data from SEAVS Experiment	Kreidenweis,Sonia M	CIRA DOI-NPS-National Park Service	07/01/96- 06/30/97	96072501 \$97,580
A Comprehensive Accounting of Absorption & Satellite by Atmospheric Carbon	Kreidenweis,Sonia M Fuller,Kirk A	CIRA DOI-NPS-National Park Service	07/01/96- 06/30/97	96072601 \$56,918
CIRA Activities & Participation in DMSP Satellite Processing & Analysis	Vonderhaar,Thomas H Eis,Kenneth E	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	96079201 \$117,329
The Role of Clouds in the Relationship between Land Use/Land Cover & the Climate & Air Quality...	Kidder,Stanley O	CIRA NASA-Marshall Space Center	09/01/96- 08/31/99	96087201 \$172,624
Effective Communication & Utilization of National Weather Service Critical Hydrometeorological Information...	Adams,Christopher R Vonderhaar,Thomas H	CIRA DOC-NOAA-NWS-National Weather Service	10/01/96- 09/30/97	96089501 \$156,530
Visiting Scientist for the COMET Satellite Meteorology Course	Kidder,Stanley O	CIRA UCAR-NCAR-COMET Atmospheric Tech. Divis.	09/01/96- 12/31/96	96093901 \$6,157
Algorithm Development for DMSP Satellite Data Processing & Analysis	Vonderhaar,Thomas H Eis,Kenneth E	CIRA DOC-NOAA-NESS-Nat Envir Satellite Srvc	10/01/96- 09/30/97	96094801 \$82,680

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
An Enhanced Geostationary Satellite Dataset for Atmospheric Water Vapor Studies	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	05/01/97- 04/30/00	96102701 \$262,919
Parameterizing Subgrid-scale Snow-cover Heterogeneities for Use in Regional Global Climate Models	Pielke,Roger A Liston,Glen E	CIRA DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/00	96103101 \$215,668
Seasonal Predictability of Major Pan Americas Rainfall Regimes	Gray,William M	CIRA DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/00	96103201 \$361,808
Remote Sensing of Water Vapor in the Presence of Thin Cloud / Aerosol Layers	Cox,Stephen K Davis,John M	CIRA DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/00	96103301 \$264,300
Analysis & Modeling of the Transport of Lightning-generated NOx & Other Chemical Species...	Rutledge,Steven A	CIRA DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/00	96103401 \$173,428
Coupling Atmospheric, Ecologic, & Hydrologic Processes in a Regional Climate Model	Pielke,Roger A Walko,Robert L	CIRA DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/00	96103501 \$451,202
Influence of Landuse Change Patterns on Decadal & Longer Regional Tropospheric Layer-averaged...	Pielke,Roger A	CIRA DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/99	96103701 \$101,234
Tropical Air-sea Interactions in the Pacific & Indian Oceans	Jensen,Tommy G Randall,David A	CIRA DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/00	96104001 \$208,894
CIRA Support to NASA Jet Propulsion Laboratory for the CloudSat Mission	Vonderhaar,Thomas H	CIRA National Aeronautics & Space Admin.	04/01/98- 06/30/03	96129601 \$1,886,910
Further Analysis of the Shipboard Radar Data from COAR: Rainfall, Convective Organization & Surface Fluxes	Rutledge,Steven A	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	01/01/97- 12/31/98	97005601 \$219,999
GOES-I/M Product Assurance & Advanced Project Development for Support of FIRSTT Training Program	Vonderhaar,Thomas H	CIRA DOC-NOAA-NWS-National Weather Service	10/01/96- 09/30/00	97005801 \$1,191,999
CIRA Activities & Participation in the GOES I-M Product Assurance Plan	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	10/01/96- 09/30/97	97007701 \$454,000
Evaluation of NEXRAD Doppler Weather Radar Algorithms & Mesoscale Analysis & Prediction (MAP)	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	02/01/97- 06/30/97	97020301 \$464,110
International Satellite Cloud Climatology Sector Processing Center for GOES-9	Vonderhaar,Thomas H Campbell,G Garrett	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	01/01/97- 12/31/97	97020401 \$155,000
Severe Weather Research	Vonderhaar,Thomas H	CIRA DOC-NOAA-NESS-Nat Envir Satellite Srvc	07/01/97- 06/30/98	97021401 \$190,000
GOES-I/M Product Assurance & Advanced Product Development for Support of the Lake Effect Snow Program	Vonderhaar,Thomas H	CIRA DOC-NOAA-NWS-National Weather Service	03/01/97- 09/30/97	97030201 \$3,500
Development of Advanced Applications Products using AMSU Data	Kidder,Stanley Q Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	12/01/97- 11/30/00	97054501 \$444,711
Receptor Modeling in Support of Project MOHAVE	Sisler,James F	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	05/15/97- 06/30/98	97054901 \$100,000
Improvements, Error Analysis, & Validation of Passive Microwave Satellite Retrievals of Cloud Liquid H2O...	Greenwald,Thomas J Jones,Andrew S	CIRA National Aeronautics & Space Admin.	10/01/97- 09/30/00	97055201 \$347,455
Coupling of SiB2 with a Cloud Resolving Model to Study the Subgrid-scale Variability of Surface Precipitation	Xu,Kuan-man Randall,David A	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	10/01/97- 09/30/00	97061802 \$196,515

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
A Study of Cloud Processing of Aerosol with Emphasis on Feedbacks to Cloud Albedo	Kreidenweis-Dandy,S	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	01/01/98- 12/31/01	97063801 \$81,158
Characterization of Particle Light Extinction at Grand Canyon National Park	Kreidenweis-Dandy,S Collett,Jeffrey L J	CIRA DOI-NPS-National Park Service	07/01/97- 06/30/98	97071901 \$99,733
Modeling the Optical Properties of Collections of Large Numbers of Structured Spheres	Fuller,Kirk A Kreidenweis-Dandy,S	CIRA DOI-NPS-National Park Service	07/01/97- 06/30/98	97072001 \$55,312
Statistical Analyses Related to Air Quality & Atmospheric Visibility	Iyer,Hariharan K	CIRA DOI-NPS-National Park Service	07/01/97- 06/30/98	97072101 \$92,292

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Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Land Condition Trend Analysis (LCTA) Field Support at Fort Huachuca, Arizona	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	08/01/96- 11/15/96	96079601 \$77,516
Timber Inventory & Vegetation Management Assessment at Fort Lee, Virginia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	08/09/96- 05/31/97	96079701 \$55,416
Land Condition Trend Analysis (LCTA) Technical Support at Fort Gordon, Georgia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	01/01/97- 09/30/97	96079801 \$55,217
Integrated Training Area Management (ITAM) & Geographical Information Systems (GIS) Support at Fort Stewart, Georgia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 08/31/97	96079901 \$52,137
ITAM Program, Forestry, & Landscape Management for Headquarters, U.S. Training & Doctrine Command...	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	11/20/96- 11/19/97	96080001 \$90,221
Land Condition Trend Analysis (LCTA) Technical Support at Fort Huachuca, Arizona	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	10/28/96- 03/31/97	96080101 \$30,154
Integrated Training Area Management (ITAM) Program for at DPTMS / Range Division Fort Lewis, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/28/96- 09/27/97	96080201 \$62,670
Ecosystem Wildland Fire Management Plan Fire Fuels Type Vegetation Map of U.S. Army Land...	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	08/01/96- 12/31/96	96080501 \$24,731
Land Condition Trend Analysis (LCTA) Data Analysis for Fort Sill, Oklahoma	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/01/96- 12/31/96	96087501 \$11,878
Wildlife Management Program Support for Yakima Training Center, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	10/01/96- 03/08/97	96089201 \$63,875
Forest Inventory & Management of Gypsy Moth, Old Growth Timber & High Value Timber, Fort A.P. Hill, Virginia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	10/14/96- 10/13/97	96089301 \$68,300
Rare, Threatened, & Endangered Mammal & Bird Survey & Mapping for Holston Army Ammunitions Plant, Kingsport...	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	07/10/96- 11/01/97	96090201 \$71,856
Intermittent, Arroyo, & Riparian Habitat for Fort Bliss, Texas	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	11/01/96- 10/31/97	96090301 \$214,654
Endangered Species Management Plan for Fort Bliss, Texas	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	10/14/96- 10/13/97	96099901 \$175,836
Legacy Resources Management Assistance	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	10/01/96- 07/05/97	96100801 \$99,878
Remote Sensing & Geographic Information Systems (GIS) Programs	Hoffer,Roger M	Forest Sciences CCHE-Commission on Higher Education	07/01/97- 06/30/02	96112001 \$976,763
Ecosystem Responses to Prolonged Drought Stress in the Shortgrass Steppe	Burke,Ingrid C Murphy,Kenneth Lee	Forest Sciences NSF-Biological Centers	01/01/97- 10/30/98	96112101 \$9,946
Nitrogen Retention in Semi-Arid Grasslands	Burke,Ingrid C Barrett,John E	Forest Sciences NSF-Biological Centers	01/01/97- 12/31/98	96112201 \$10,000
Plant Life Form Influence on Soil Organic Matter Dynamics: Dissertation Research	Burke,Ingrid C Gill,Richard A	Forest Sciences NSF-Biological Centers	05/01/97- 09/30/98	96113301 \$8,265
Integrated Training Area Management (ITAM) Operations & Environmental Support for U.S. Army Environmental Center	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	11/13/96- 11/12/97	96116701 \$98,664

College: Natural Resources – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Determinants of Carbon Allocation in Coniferous Forests	Smith,Frederick W	Forest Sciences USDA-CSRS-CGP-Competitive Grants Program	06/01/97- 05/30/00	96123501 \$362,121
Why Does Forest Growth Decline with Stand Age? An Experimental Test	Binkley,Daniel E	Forest Sciences University of Hawaii	06/01/97- 05/31/00	96128701 \$339,921
Ecosystem Significance of Soil as a Long-term Sink for Anthropogenic Additions of N	Burke,Ingrid C Maciel,Gary E	Forest Sciences University/Comm. College Sys. of Nevada	06/01/97- 05/31/00	96133501 \$912,079
Integrated Training Area Management (ITAM) Program Support for Fort Drum	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/27/97- 05/26/98	97009001 \$63,228
Three Dimensional Modeling of Bolted Joints in Wood	Pellicane,Patrick J Patton-Mallory,M	Forest Sciences USDA-CSRS-CGP-Competitive Grants Program	10/01/97- 03/31/00	97009501 \$128,234
ITAM Wildlife Management Program Support for Yakima Training Center, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	03/04/97- 03/03/98	97014701 \$142,599
Non-Degree Program of Study for Israeli Forester	Omi,Philip N Grier,Charles C	Forest Sciences USDA-USFS-Forest Research	08/01/97- 09/30/98	97015401 \$53,004
The Impacts of Land Use Change on Ecosystem Function Along an Urban to Rural Gradient	Burke,Ingrid C Noble,Denise	Forest Sciences National Aeronautics & Space Admin.	09/01/97- 12/05/99	97025701 \$22,000
Integrated Inventory & Monitoring System for the Madrean-Apachian Forest System Complex	Reich,Robin M	Forest Sciences NAFEC-N. American Fund/Envrmmntl Coop.	09/01/97- 09/30/98	97036501 \$70,652
Development of an Image Processing / GIS Laboratory at a Remote Field Campus (Pingree Park)	Dean,Denis J	Forest Sciences National Aeronautics & Space Admin.	10/01/97- 08/31/98	97074201 \$283,316
Biological & Chemical Monitoring of Soda Butte Creek, Montana: Study on the Influence of Metals-contaminated...	Flickinger,Stephen A Nimmo,Del Wayne R	Fishery & Wildlife Biology DOI-National Biological Survey	07/01/96- 09/30/97	96070901 \$15,000
Denver Water Board Inventory	Pague,Christopher A	Fishery & Wildlife Biology Denver Board of Water Commissioners	07/01/96- 12/31/96	96076001 \$17,170
Post Hurricane Restoration of Riparian Forests in Puerto Rico	Covich,Alan P	Fishery & Wildlife Biology NSF-Biological Centers	06/01/97- 05/31/01	96101501 \$200,632
Ecological Consequences of Water Management at Curecanti National Recreation Area	Johnson,Brett M	Fishery & Wildlife Biology DOI-NPS-National Park Service	10/01/96- 12/31/98	96104301 \$39,888
Lab Analysis to Determine the Extent of Whirling Disease in Colorado	Flickinger,Stephen A	Fishery & Wildlife Biology Colorado Division of Wildlife	10/01/96- 06/30/97	96110501 \$11,000
Face to Face with Wildlife	Covich,Alan P	Fishery & Wildlife Biology Colorado Division of Wildlife	10/15/96- 06/30/97	96110601 \$37,313
Ecological Consequences of Water Management at Blue Mesa Reservoir, Colorado	Johnson,Brett M Stockwell,Jason D	Fishery & Wildlife Biology US Department of the Interior	12/01/96- 10/01/98	96119101 \$70,319
Biotic Control of Detrital Processing in Hawaiian Streams	Covich,Alan P	Fishery & Wildlife Biology NSF-Biological Centers	07/01/97- 06/30/00	96131701 \$212,097
Response of Stream Ecosystems to Contaminants	Clements,William H Black,William C IV	Fishery & Wildlife Biology Environmental Protection Agency	10/01/97- 09/30/00	97015501 \$950,577
Survival & Habitat Use of Dispersing Juvenile Flammulated Owls	Kennedy,Patricia L	Fishery & Wildlife Biology University of Charleston (S. Carolina)	05/15/97- 11/15/98	97021501 \$50,886

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Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Food Web Consequences of Invasive Bamboo in Bisley Watershed, LEF	Covich,Alan P	Fishery & Wildlife Biology US Department of Agriculture	07/01/97- 06/30/98	97056601 \$20,000
Testing Ecological Mechanisms at the Invasion Front: Arrival, Establishment, & Efforts of Nonnative Stream Salm...	Fausch,Kurt D NSF-Biological Centers	Fishery & Wildlife Biology	01/01/98- 12/31/02	97064401 \$252,566
Long-term Consequences of N Stress on Recovery of Rangelands & Abandoned Croplands	Redente,Edward F Paschke,Mark W	Rangeland Ecosystem Science USDA-CSRS-Coop. States Research Service	09/01/97- 08/31/00	96121801 \$382,723
Effect of UV-B Radiation on Growth & Symbioses in Actinorhizal Shrubs	Paschke,Mark W	Rangeland Ecosystem Science USDA-CSRS-CGP-Competitive Grants Program	09/01/97- 08/31/00	96123701 \$227,421
Biotic Controls on Soil C Dynamics & N Cycling under Elevated CO2	Milchunas,Daniel G Freckman,Diana	Rangeland Ecosystem Science NSF-GEO-Geosciences	04/01/98- 03/31/01	97007901 \$499,587
Assessment of the Feasibility of using Minirhizotron Technology for Monitoring below ground Responses...	Milchunas,Daniel G	Rangeland Ecosystem Science University of Wyoming	04/01/97- 12/31/97	97021801 \$9,070
FSML-Equipment Improvements at the Short Grass Steppe Long Term Ecological Research Field Station	Burke,Ingrid C Lauenroth,William K	Rangeland Ecosystem Science NSF-Biological Centers	07/01/97- 06/30/98	97038001 \$49,200
Biodiversity of a Montane Riparian Ecosystem as Affected by Previous Grazing	Leininger,Wayne C Trlica,Milton J	Rangeland Ecosystem Science US Department of Agriculture	09/01/97- 12/31/99	97055901 \$80,000
Grasshopper Population Dynamics & Resource Fluctuations in Colorado	Child,Dennis R Holtzer,Thomas O	Rangeland Ecosystem Science US Department of Agriculture	09/01/97- 08/30/99	97057101 \$80,000
Linkages between Nitrogen & Carbon Constraints on Primary Succession at Mount St. Helens	Paschke,Mark W Childress,William M	Rangeland Ecosystem Science NSF-Biological Centers	05/01/98- 04/30/02	97069901 \$607,791
Sources & Sinks of Carbon in Costa Rican Forests: A Remote Sensing & GIS Approach	Trlica,Milton J Dean,Denis J	Rangeland Ecosystem Science NSF-Biological Centers	01/01/98- 12/31/00	97070001 \$483,725
Designing a Program of Research to Answer Program Efficacy Questions	Wells,Marcella D	Nat Resource Recreation & Tourism Colorado Division of Wildlife	07/01/97- 06/30/98	97058301 \$9,651
187 Re-187 Os Calibration of Molybdenite from Henderson, CO: A New Standard Reference Material	Morgan,John W Stein,Holly J	Earth Resources NSF-GEO-Geosciences	01/01/97- 12/31/98	96071101 \$154,131
Snow Distribution & Runoff Forecasting, Kings River Basin, California	Elder,Kevin J	Earth Resources DOD-ARMY-Corps of Engineers	08/15/96- 08/14/99	96086101 \$181,169
Karst Hydrology in the Humid Tropical Environments	Stednick,John D	Earth Resources NSF-SBE-Social, Behav & Econ Sciences	10/01/96- 11/30/96	96093701 \$13,500
Erosion & Sedimentation in Virgin Islands National Park	MacDonald,Lee H	Earth Resources US Department of the Interior	02/01/97- 07/31/98	96122001 \$50,000
Flow Resistance of Large Woody Debris in Headwater Streams	Wohl,Ellen E	Earth Resources Nat. Council for Air/Stream Improvement	05/31/97- 11/01/99	96124201 \$70,432
Dating Ancient Earthquakes using Argon Geochronometry in Neogene to Precambrian Fault Zones	Magloughlin,Jerry F	Earth Resources NSF-GEO-Geosciences	07/01/97- 06/30/99	96126801 \$75,392
Chemical Weathering in Basalt Bedrock Channels	Wohl,Ellen E Sutton,Sally J	Earth Resources NSF-GEO-Geosciences	06/01/97- 09/01/99	96126901 \$96,552
Collaborative Research on the 190Pt-1860s System as a Test of Core-Mantle Interaction	Morgan,John W	Earth Resources NSF-GEO-Geosciences	07/16/97- 07/15/99	97008101 \$125,000

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Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Spatial Information Technology in Geographic Education	Laituri,Melinda J	Earth Resources Ntnl Geographic Society Education Fndn	05/01/97- 12/15/97	97024801 \$17,475
Development of an Expert Support System for Assessing Tribal Water Quality	Smith,Freeman M	Earth Resources Environmental Protection Agency	04/15/97- 12/31/97	97036901 \$28,700
Erosion & Sedimentation on St. John, U.S. Virgin Islands	MacDonald,Lee H	Earth Resources University of the Virgin Islands	07/01/97- 08/01/98	97041501 \$44,680
Chemical Remagnetization in a Paleoaquifer & Igneous Basement	Sutton,Sally	Earth Resources NSF-GEO-Geosciences	02/01/98- 01/31/00	97060301 \$68,346
The Effect of Dams on Riparian Vegetation Dispersal	Wohl,Ellen E	Earth Resources NSF-GEO-Geosciences	10/01/97- 11/01/99	97061701 \$41,706
Collaborative Research: Kinematic Development of Basement-involved Folds	Erslev,Eric A	Earth Resources NSF-GEO-Geosciences	03/01/98- 02/28/00	97061901 \$90,816
Flume Simulation of Bedrock Channel Incision	Wohl,Ellen E	Earth Resources NSF-GEO-Geosciences	08/01/98- 01/01/00	97062001 \$50,104
Coupled Remote Sensing, Energy Balance, & Statistical Modeling for Assessment of Regional Snowpack Water...	Elder,Kevin J	Earth Resources NSF-GEO-Geosciences	01/01/98- 12/31/00	97062101 \$344,433
1870s/1880s in Chromite: Correlation Tool for Dismembered Ophiolites & a Window to the Mantle	Hannah,Judith L Morgan,John W	Earth Resources NSF-GEO-Geosciences	04/01/98- 09/30/99	97062201 \$130,360
Mitigation of Mountain-channel Sedimentation Resulting from Reservoir Sediment Releases	Wohl,Ellen E Julien,Pierre Y	Earth Resources NSF - Engineering Grant	10/01/97- 11/01/99	97070701 \$72,670
Inventory & Characterize Upland Water Resources in Dinosaur National Monument	Stednick,John D	Earth Resources DOI-NPS-National Park Service	06/15/97- 06/30/98	97072401 \$19,999
187Re-187Os Calibration of Molybdenite from Henderson, CO: A New Standard Reference Material	Morgan,John W Stein,Holly J	Earth Resources NSF-GEO-Geosciences	01/01/98- 12/31/99	97074601 \$91,465
Principles & Guidelines for Evaluating Cumulative Watershed Effects	MacDonald,Lee H Loftis,Jim C	Earth Resources Environmental Protection Agency	07/01/97- 12/31/98	97077301 \$95,823
Study of Possible Long-term Declines in the Annual Probability of Survival in North America...	Anderson,David R Burnham,Kenneth P	Cooperative Fish & Wildlife Research DOI-National Biological Survey	09/01/96- 12/01/97	96072301 \$25,504
Upper Missouri River Basin Hydrology Project	Ojima,Dennis Parton,William J	Natural Resource Ecology Lab South Dakota School of Mines	01/01/97- 12/31/01	96072701 \$662,017
Land Use Change in the East African Savannas: A Case Study of Northern Tanzania	Galvin,Kathleen Ellis,James E	Natural Resource Ecology Lab NSF-SBE-Social, Behav & Econ Sciences	01/01/97- 12/31/99	96079501 \$470,000
Nematode & Soil Ecological Responses to Synthetic Environments in Biosphere 2	Freckman,Diana Niles,Robert K	Natural Resource Ecology Lab Biosphere 2 Center, Inc.	09/01/96- 08/31/97	96084001 \$20,000
Management of the Buffer Zone at the Rocky Flats Environmental Technology Site	Elliott,Edward T Kennedy,Patricia L	Natural Resource Ecology Lab E.G. & G. Rocky Flats, Inc.	10/01/96- 09/30/98	96084301 \$1,634,551
An Integrated Management & Policy System for Conserving Biodiversity in Spatially Extensive Pastoral Ecosystem...	Coughenour,Michael B Galvin,Kathleen	Natural Resource Ecology Lab DOS-AID-Agency for Inter. Development	11/01/96- 10/31/97	96094401 \$111,303
Regional Analysis of Vulnerability to El Nino Dynamics in Southern Africa & Assessment of Intervention	Galvin,Kathleen Coughenour,Michael B	Natural Resource Ecology Lab DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/00	96103801 \$307,255

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Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Integrated System for Environmental Education	Ojima,Dennis	Natural Resource Ecology Lab CCHE-Commission on Higher Education	10/15/96- 06/30/97	96108101 \$20,000
Abiotic Controls of Nematode Activity & Survival in Antarctic Dry Valley Soils	Freckman,Diana Treonis,Amy	Natural Resource Ecology Lab NSF-Biological Centers	02/01/97- 01/31/98	96114501 \$10,000
Impact of Doubling CO2 Concentration on CO2 & N2O Exchange in the Colorado Shortgrass Steppe	Parton,William J Mosier,Arvin R	Natural Resource Ecology Lab US Department of Energy	07/01/97- 06/30/00	96122101 \$303,758
Integrated Nitrogen Cycle Analysis of Land Use Practices in the United States & China	Ojima,Dennis	Natural Resource Ecology Lab UCAR-NCAR-Nat Ctr for Atmospheric Res	10/01/96- 09/30/97	96128401 \$37,305
Modeling Arizona Oak Savanna Responses to Climate, Grazing, Fire & Exotic Grasses	Coughenour,Michael B	Natural Resource Ecology Lab University of Arizona	06/01/97- 05/30/00	96128801 \$96,024
Development of Landscape Analysis & GIS Expertise to Predict Vegetation Dynamics at Ecotones	Coffin,Debra P	Natural Resource Ecology Lab National Science Foundation	01/01/98- 12/31/98	96129701 \$58,207
Identifying Ecosystem Controls on Soil Biodiversity: A United States - United Kingdom Project	Freckman,Diana	Natural Resource Ecology Lab NSF-Biological Centers	07/01/97- 06/30/01	96129801 \$1,983,622
Decade of CENTURY - Modeling & Analysis	Schimmel,David S Ojima,Dennis	Natural Resource Ecology Lab NSF-GEO-Geosciences	06/01/97- 05/31/98	97001301 \$59,424
Land Use Change in the East African Savannas: A Case Study of Northern Tanzania	Galvin,Kathleen Ellis,James E	Natural Resource Ecology Lab NSF-SBE-Social, Behav & Econ Sciences	06/01/97- 05/31/00	97007301 \$326,948
Sources & Chemistry of Dissolved Organic Matter to Aquatic Ecosystems	Baron,Jill S Parton,William J	Natural Resource Ecology Lab NSF-GEO-Geosciences	06/01/97- 05/31/00	97007801 \$314,442
Developing a GIS to Determine Alfalfa Stem Nematode Occurrence & Alfalfa Disease Risk in the Scale...	Freckman,Diana W Niles,Robert K	Natural Resource Ecology Lab USDA-Western Region I.P.M. Program	07/01/97- 06/30/00	97014301 \$286,946
Development, Monitoring, & Assessment of Indicators of Ecosystem Health & Sustainability	Elliott,Edward T Paustian,Keith H	Natural Resource Ecology Lab Environmental Protection Agency	09/01/97- 08/31/00	97015001 \$1,401,592
Integrated Assessment of African Savannas with Spatial-dynamic Vegetation & Land Use Modeling	Coughenour,Michael B Ellis,James E	Natural Resource Ecology Lab NSF-GEO-Geosciences	07/01/97- 06/30/00	97017901 \$506,247
Modeling Arizona Oak Savanna Responses to Climate, Grazing, Fire & Exotic Grasses	Coughenour,Michael B	Natural Resource Ecology Lab University of Arizona	10/01/97- 09/30/00	97019101 \$96,024
Large Mammalian Herbivores, Plant, Interactions, & Ecosystem Processes in Five National Parks	Singer,Francis J Elliott,Edward T	Natural Resource Ecology Lab DOI-USGS-Geological Survey	05/01/97- 05/01/98	97020601 \$123,400
Responses of Shortgrass Steppe to Evaluate CO2 & Resource Constraints from Plot to Landscape	Hunt,H William Parton,William J	Natural Resource Ecology Lab US Department of Agriculture	10/01/97- 09/30/00	97022401 \$252,645
Vulnerability of Chihuahuan Desert Grasslands & Dominant Plant Species to Global Change	Coffin,Debra P Parton,William J	Natural Resource Ecology Lab DOE-Office of Energy Research	01/01/98- 12/31/00	97022701 \$1,485,736
Investigation of Climate Change Effects on Taiga, Steppe, & Desert Ecosystems & Ecotones	Ellis,James E Coughenour,Michael B	Natural Resource Ecology Lab DOE-Office of Energy Research	10/01/97- 09/30/00	97022801 \$1,283,035
Factors Affecting Grassland & Woody Plant Distribution in Semi-arid Ecosystems of the Southwest United States	Ojima,Dennis	Natural Resource Ecology Lab DOE-Office of Energy Research	01/01/98- 12/31/00	97022901 \$970,533
Effects of Increased Nitrogen Deposition on Subalpine Forest Growth	Baron,Jill Binkley,Daniel E	Natural Resource Ecology Lab DOI-USGS-Geological Survey	04/01/95- 03/30/99	97027001 \$8,823

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Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Responses of Hydrologic & Aquatic Ecosystems to Potential Climate Change on Water...	Baron,Jill Parton,William J	Natural Resource Ecology Lab DOI-NPS-National Park Service	05/01/97- 04/30/98	97027301 \$77,000
McMurdo Dry Valleys: A Cold Desert Ecosystem	Freckman,Diana W	Natural Resource Ecology Lab University of Nevada	03/01/97- 02/28/98	97030101 \$82,550
Spatial Ecosystem Modeling of the Jackson Bison & Elk Herds & Their Environment	Coughenour,Michael B	Natural Resource Ecology Lab DOI-USGS-Geological Survey	05/01/97- 04/30/02	97034901 \$151,134
Spatial Ecosystem Modeling of Yellowstone Bison & Their Environments	Coughenour,Michael B	Natural Resource Ecology Lab DOI-USGS-Geological Survey	05/01/97- 04/30/02	97035601 \$122,234
Workshop on the Development of a Temperate East Asia Land-cover Database	Ojima,Dennis	Natural Resource Ecology Lab National Aeronautics & Space Admin.	04/30/97- 04/30/98	97037001 \$35,000
Soil Communities in an Antarctic Desert: Biodiversity & Response to Environmental Change	Freckman,Diana W Parsons,Andrew N	Natural Resource Ecology Lab Dartmouth University/Hitchcock Med. Ctr.	09/01/97- 08/31/01	97043801 \$323,657
Regional Climate Change Impacts on the Great Plains	Ojima,Dennis	Natural Resource Ecology Lab US Department of Energy	04/21/97- 05/01/98	97044801 \$76,189
Economics of Agricultural Land Conversion: Effects on Amenity Values of Wildlife	Gross,John E Loomis,John B	Natural Resource Ecology Lab US Department of Agriculture	11/01/97- 10/30/00	97048201 \$474,175
Living with Uncertainty: Northern Great Plains Agriculture	Ellis,James E Galvin,Kathleen	Natural Resource Ecology Lab North Dakota State University	09/01/97- 08/31/01	97048601 \$252,475
Developing Soil C Sequestration as a Commodity, for CO2 Emission Mitigation in U.S. Agriculture	Paustian,Keith H	Natural Resource Ecology Lab US Department of Agriculture	10/01/97- 09/30/00	97049701 \$600,000
United States Participation in IMGRASS	Ojima,Dennis	Natural Resource Ecology Lab Florida State University	09/01/97- 08/31/00	97052001 \$315,000
Regional Climate Change Impacts on the Great Plains	Ojima,Dennis	Natural Resource Ecology Lab US Department of Energy	04/21/97- 05/01/98	97052301 \$76,189
The Bio-Atmospheric Cycles of Nitrogen & Carbon: Linking Global Air Pollution & Terrestrial Ecosystem...	Parton,William J	Natural Resource Ecology Lab National Aeronautics & Space Admin.	10/01/97- 09/30/00	97056101 \$82,500
CMEAL2: A Community Approach to Analyzing & Integrating Multi-factor Global Change Ex	Parton,William J	Natural Resource Ecology Lab US Department of Energy	07/01/97- 06/30/98	97058801 \$40,741
GIS to Determine Alfalfa Stem Nematode Occurrence & Alfalfa Disease Risk in the South Platte Basin	Freckman,Diana W Niles,Robert K	Natural Resource Ecology Lab USDA-Western Region I.P.M. Program	07/01/97- 06/30/00	97059601 \$196,499
Summitville Mine Ecological Risk Assessment: Soil, Vegetation & Livestock Exposure Investigation	Stohlgren,Thomas J	Natural Resource Ecology Lab US Department of Agriculture	05/27/97- 12/31/98	97062502 \$56,486
Climate Change Effects on Ecosystem Dynamics & Human Land Use: Taiga, Steppe, & Desert	Ellis,James E Coughenour,Michael B	Natural Resource Ecology Lab NSF-Biological Centers	10/01/97- 09/30/00	97064501 \$983,463
VEMAP Phase II - GIS Regional & Global Analysis of Transient Climate Simulations	Ojima,Dennis Parton,William J	Natural Resource Ecology Lab National Aeronautics & Space Admin.	07/01/97- 06/30/98	97068002 \$101,452
Effects of Different-sized Herbivores on Nitrogen Cycling in Grasslands: A Cross Site Study	Milchunas,Daniel G Detling,James K	Natural Resource Ecology Lab Utah State University	02/01/98- 01/31/01	97070101 \$305,754
Soil Organic Matter Dynamics & Management Decision Making in an Enriched CO2 Environment	Paustian,Keith H Elliott,Edward T	Natural Resource Ecology Lab Michigan State University	09/01/97- 08/31/00	97073801 \$291,667

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Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
GENESIS: Gender Equity Systemic Initiative in Science & Mathematics Center for Science	Jones,Christine S Stein,Fredrick M	Center for Science, Math & Tech Edu NSF-EHR-Education & Human Resources	05/01/97- 04/30/00	96094001 \$842,685
Voices for Retention - Perspectives on Success in Secondary & Postsecondary Science & Mathematics...	Timpson,William M	Center for Science, Math & Tech Edu CCHE-Commission on Higher Education	10/01/96- 06/30/97	96108601 \$20,000
Excellence in Learning through Technology: Chemtrek II	Stein,Fredrick M Thompson,Stephen	Center for Science, Math & Tech Edu CCHE-Commission on Higher Education	07/01/97- 06/30/98	97020801 \$93,250
Colorado Classroom-Based Research for Achievement of Students	Stein,Fredrick M Bruckhart,Glenn	Center for Science, Math & Tech Edu CCHE-Commission on Higher Education	08/15/97- 08/14/98	97036101 \$50,000
GENESIS: Gender Equity Systemic Initiative in Science & Mathematics	Jones,Christine S Stein,Fredrick M	Center for Science, Math & Tech Edu NSF-EHR-Education & Human Resources	09/01/97- 08/30/00	97053901 \$843,878
Dependence of Neurite Outgrowth & Regeneration on ADF Activity	Bamburg,James R Meberg,Peter	Biochemistry & Molecular Biology American Paralysis Association	03/01/97- 02/28/98	96079101 \$43,885
AM 500 NMR Spectrometer Console Upgrade	Lumb,Kevin J	Biochemistry & Molecular Biology NSF-Biological Centers	01/01/97- 12/31/97	96081601 \$239,579
Mechanism of Interaction between HTLV-1 Tax & CBP	Nyborg,Jennifer K Yan,Jian-Ping	Biochemistry & Molecular Biology HHS-NRSA-Nat. Research Service Award	01/01/97- 12/31/99	96084601 \$83,500
Supply Custom Oligonucleotides for PCR & Sequencing Applications	Fiol,Carol J	Biochemistry & Molecular Biology HHS-NIH-NCI-National Cancer Institute	09/28/96- 09/26/97	96086601 \$375,000
Repression of c-myb Function by the HTLV-I Tax Protein	Nyborg,Jennifer K Colgin,Mark	Biochemistry & Molecular Biology HHS-NRSA-Nat. Research Service Award	01/01/97- 12/31/99	96087301 \$114,908
Actin Reorganization via Ca-signaling in Growth Cones	Bamburg,James R	Biochemistry & Molecular Biology HHS-DRR-Fogarty International Center	06/01/97- 05/31/99	96100301 \$72,100
Repression of c-myb Function by the HTLV-I Protein Tax	Nyborg,Jennifer K Colgin,Mark	Biochemistry & Molecular Biology American Cancer Society, Inc.	07/01/97- 06/30/00	96100601 \$78,000
Mechanisms of Interaction between HTLV-1 Viral Tax & CREB Binding Protein	Nyborg,Jennifer K Yan,Jian-ping	Biochemistry & Molecular Biology American Cancer Society, Inc.	07/01/97- 06/30/00	96100701 \$78,000
Photosynthetic Integral Membrane Protein Structure	Schenck,Craig C	Biochemistry & Molecular Biology HHS-PHS-Public Health Services	07/01/97- 06/30/01	96102201 \$1,461,802
ADF as a Target of Signals which Regulate Neuronal Growth & Navigation	Bamburg,James R Meberg,Peter	Biochemistry & Molecular Biology Life Sciences Research Foundation	06/01/97- 05/31/00	96104501 \$105,000
Mechanism of Transcriptional Activation	Lumb,Kevin J	Biochemistry & Molecular Biology Searle Scholars Award	07/01/97- 06/30/00	96104701 \$180,000
CYCI Chromatin Structure: Positioned Nucleosome or Paused Polymerase	Laybourn,Paul J	Biochemistry & Molecular Biology American Cancer Society, Inc.	07/01/97- 06/30/00	96114201 \$279,231
CCHE Programs of Excellence in Biochemistry & Molecular Biology	Curthoys,Norman P	Biochemistry & Molecular Biology CCHE-Commission on Higher Education	07/01/97- 06/30/02	96118701 \$1,000,000
Active Site & Mechanism of RNA Polymerase	Woody,A-Young M Woody,Robert W	Biochemistry & Molecular Biology HHS-PHS-Cellular & Molecular / Research	07/01/97- 06/30/01	96118901 \$973,846
Actin Dynamics & Neuronal Resistance to Ischemia	Bernstein,Barbara W	Biochemistry & Molecular Biology American Heart Association	07/01/97- 06/30/98	96126001 \$25,000

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Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Actin Regulating Proteins & Actin Dynamics: Effects on Excitotoxicity	Bamburg,James R Meberg,Peter	Biochemistry & Molecular Biology American Heart Association	07/01/97- 06/30/98	96126201 \$30,585
Reaction Center Dynamics	Schenck,Craig C Levinger,Nancy E	Biochemistry & Molecular Biology USDA-CSRS-CGP-Competitive Grants Program	06/01/97- 05/31/01	96133001 \$588,813
Actin Dynamics & Presynaptic Remodeling	Bernstein,Barbara W	Biochemistry & Molecular Biology McKnight Foundation	07/01/97- 06/30/99	97002301 \$150,000
Modulation of CYC1 Chromatin Structure & Expression	Laybourn,Paul J	Biochemistry & Molecular Biology HHS-NIH-National Institute of Health	12/01/97- 11/30/02	97012301 \$810,466
Genetic Analysis of Transcription Initiation	Stargell,Laurie	Biochemistry & Molecular Biology HHS-NIH-National Institute of Health	12/01/97- 11/30/02	97012401 \$1,233,711
Transcriptional Regulation by the HTLV I Tax Protein	Nyborg,Jennifer K	Biochemistry & Molecular Biology HHS-NIH-National Institute of Health	12/01/97- 11/30/02	97021101 \$1,371,476
Mechanisms of Transcriptional Activation In Vivo	Stargell,Laurie Ann	Biochemistry & Molecular Biology Cancer League of Colorado, Inc.	07/01/97- 06/30/98	97023401 \$20,000
Modulation of the CYC1 Chromatin Structure	Laybourn,Paul J Martens,C	Biochemistry & Molecular Biology American Cancer Society, Inc.	01/01/98- 12/31/00	97024301 \$78,000
Actin Dynamics & Cell Survival in Parkinson's Disease	Bernstein,Barbara W	Biochemistry & Molecular Biology National Parkinson Foundation	06/01/97- 05/31/98	97024701 \$40,000
Establishment of a Mass Spectrometry Laboratory for Proteome Research & Training: Acquisition of Mass Spect...	Fiol,Carol J Ryan,Philip W	Biochemistry & Molecular Biology NSF-Sci/Tech Ctr/STI Sci/Tech Infra Ctr	09/15/97- 09/14/98	97026701 \$489,770
Biomolecular Reaction Dynamics	Schenck,Craig C	Biochemistry & Molecular Biology HHS-NIH-National Institute of Health	12/01/97- 11/30/01	97026901 \$855,867
XL-I Analytical Ultracentrifuge	Lumb,Kevin J	Biochemistry & Molecular Biology HHS-NIH-National Institute of Health	04/01/97- 03/31/98	97029901 \$241,162
Mechanisms of Transcriptional Activation In Vivo	Stargell,Laurie	Biochemistry & Molecular Biology Milheim Foundation for Cancer Research	07/01/97- 06/30/98	97031101 \$12,075
Mechanisms of Transcription Initiation In Vivo	Stargell,Laurie	Biochemistry & Molecular Biology American Cancer Society, Inc.	01/01/98- 12/31/00	97034101 \$335,439
CYC1 Chromatin Structure: Positioned Nucleosome or Paused Polymerase?	Laybourn,Paul J	Biochemistry & Molecular Biology American Cancer Society, Inc.	01/01/98- 12/31/00	97034201 \$282,861
Modulation of the CYC1 Chromatin Structure	Laybourn,Paul J Martens,Craig	Biochemistry & Molecular Biology HHS-NIH-National Institute of Health	09/01/97- 08/31/00	97037901 \$77,908
Actin Reorganization during Sperm Uptake in X. Laevis	Bamburg,James R	Biochemistry & Molecular Biology HHS-NIH-National Institute of Health	09/01/97- 08/31/00	97038101 \$32,200
Mechanism of HTLV-I Repression of Transcription	Escudero,Kenneth W	Biochemistry & Molecular Biology HHS-NIH-NCI-National Cancer Institute	10/01/97- 09/30/02	97054001 \$622,302
Neuronal Actin Dynamics & Neonatal Ischemic Injury	Bernstein,Barbara W	Biochemistry & Molecular Biology March of Dimes Birth Defects Foundation	02/01/98- 01/31/00	97056201 \$50,000
Mechanisms of Transcriptional Activation In Vivo	Stargell,Laurie	Biochemistry & Molecular Biology Council for Tobacco Research - USA, Inc.	01/01/98- 12/31/00	97057801 \$80,349

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
CYC1 Chromatin Structure: Positioned Nucleosome or Pause Polymerase?	Laybourn,Paul J	Biochemistry & Molecular Biology Council for Tobacco Research - USA, Inc.	01/01/98- 12/31/00	97058401 \$227,423
Biomolecular Reaction Dynamics	Schenck,Craig C	Biochemistry & Molecular Biology HHS-NIH-National Institute of Health	04/01/98- 03/31/02	97076302 \$860,413
Macromolecular Recognition by Unstructured Heteropolymers	Lumb,Kevin J	Biochemistry & Molecular Biology American Chemical Society	09/01/98- 08/31/00	97077501 \$20,000
Theoretical & Experimental Investigation of the Structure of Two Dimensional Molecular Phases	Parkinson,Bruce A Rappe,Anthony K	Chemistry NSF-MPS-Mathematical & Physical Sciences	01/01/97- 12/31/00	96071701 \$330,843
Synthesis of a Surface Confined Porous Aluminum Oxide Film Containing an Electroactive Graphite Materials	Martin,Charles R	Chemistry SI Diamond Technology, Inc.	06/01/96- 12/31/96	96079001 \$36,000
Novel Approach Toward the Synthesis of the Terpendoles	Meyers,Albert I James,Brian L	Chemistry HHS-NRSA-Nat. Research Service Award	01/01/97- 12/31/98	96080401 \$25,608
Structure, Photophysics, & Photochemistry of Silver Halide Clusters	Bernstein,Elliot R Kelley,David F	Chemistry NSF-MPS-Mathematical & Physical Sciences	01/01/97- 12/31/99	96080601 \$393,287
Total Synthesis of a Cytotoxic Macrolide	Meyers,Albert I Reeder,Michael R	Chemistry HHS-NRSA-Nat. Research Service Award	01/01/97- 01/01/99	96081501 \$25,608
New Methodology for the Synthesis of Oligonucleotide Bioconjugates	Greenberg,Marc M	Chemistry CATI-Colo. Advanced Technology Institute	01/01/97- 06/30/97	96087901 \$600
Statistical Mechanical Theory of Dynamics of Supercooled Liquids	Szamel,Grzegorz	Chemistry Research Corporation / Foundation	08/01/97- 07/30/99	96094601 \$50,000
Nuclear Magnetic Resonance (NMR) Console Upgrades	Anderson,Oren P	Chemistry NSF-MPS-Mathematical & Physical Sciences	01/01/97- 12/31/97	96100201 \$281,530
A Novel Approach Toward the Synthesis of the Terpendoles: Potent Chemotherapy Agents	Meyers,Albert I James,Brian L	Chemistry American Cancer Society, Inc.	07/01/97- 06/30/99	96100501 \$50,600
Effects of Formamidopyrimidine Lesions on Nucleic Acid Structure & Function	Greenberg,Marc M	Chemistry HHS-PHS-Public Health Services	07/01/97- 06/30/01	96102101 \$639,963
Developing New Methods for Asymmetric Epoxidation of Unfunctionalized Olefins	Shi,Yian	Chemistry Arnold & Mabel Beckman Foundation	07/01/97- 06/30/99	96104601 \$200,000
Mechanistic & Synthetic Studies of Dioxiranes	Shi,Yian	Chemistry NSF-MPS-Mathematical & Physical Sciences	07/01/97- 06/30/02	96114801 \$495,179
Luminescent Materials Based on Rare Earth Doped Semiconductor Nanoclusters	Kelley,David F	Chemistry DOD-NAVY-ONR-Office of Naval Research	01/01/97- 12/31/00	96117001 \$516,333
Developing New Catalysts for Asymmetric Epoxidation of Olefins	Shi,Yian	Chemistry Hoechst Celanese Corp	01/01/97- 12/31/97	96121701 \$88,650
Geochemistry of Arsenic & Vanadium in Hydrothermally-influenced Surface Waters & Sediments	Crans,Debbie C	Chemistry NSF-MPS-Mathematical & Physical Sciences	07/01/97- 06/30/00	96126101 \$222,930
Nuclear Magnetic Resonance (NMR) Studies of Modified Carbon Blacks	Maciel,Gary E	Chemistry Cabot Power Corporation	01/01/97- 06/30/97	96133301 \$21,750
Solvation Dynamics in Restricted Geometries: Motion of Polar Solvent Molecules in Reverse Micelles	Levinger,Nancy E	Chemistry NSF - Engineering Grant	07/01/97- 06/30/00	96134401 \$385,240

College: Natural Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Solvation & Electron Transfer Dynamics in Reverse Micelles	Levinger,Nancy E	Chemistry American Chemical Society	08/01/97- 08/31/00	96135001 \$75,000
Surface Reactivity of Radicals during Plasma Surface Modification of Polymers	Fisher,Ellen R	Chemistry NSF-MPS-Mathematical & Physical Sciences	07/01/97- 06/30/00	96135301 \$423,998
Structures in Interfacial Films of Pulmonary Surfactant	Grainger,David	Chemistry Oregon Health Sciences University	12/01/97- 11/30/02	97008901 \$380,265
Purchase of a Spectroscopic Ellipsometer for Research in Thermal & Plasma Deposition of Thin Film Materials	Anderson,Oren P Fisher,Ellen R	Chemistry NSF-MPS-Mathematical & Physical Sciences	07/01/97- 06/30/98	97010901 \$114,025
Purchase of a Powder X ray Diffractometer System	Anderson,Oren P Dorhout,Peter K	Chemistry NSF-MPS-Mathematical & Physical Sciences	07/01/97- 06/30/98	97011001 \$181,090
Surface Chemistry Influences on Cell Signaling & Proliferation	Grainger,David W	Chemistry HHS-NIH-Nat Inst of General Medical Sci	12/01/97- 11/30/02	97015901 \$725,556
New Metal Complexes with Unusual Geometries	Elliott,C Michael	Chemistry Arizona State University	01/01/97- 06/30/97	97017101 \$756
Chemistry, Biochemistry & Therapeutic Applications of Vanadium Compounds	Crans,Debbie C	Chemistry American Chemical Society	05/01/97- 04/30/98	97019301 \$2,000
Acquisition of Instrumentation for a Central Materials Analysis Facility	Parkinson,Bruce Alan	Chemistry NSF-Sci/Tech Ctr/STI Sci/Tech Infra Ctr	10/01/97- 09/30/98	97020101 \$816,242
Total Synthesis of Superstolide A & B	Meyers,Albert I	Chemistry American Cancer Society, Inc.	10/01/97- 10/01/99	97024401 \$50,200
Theoretical Chemistry & Polymers	Fixman,Marshall	Chemistry HHS-NIH-National Institute of Health	12/01/97- 11/30/02	97024901 \$914,777
Apoenzyme-Based Molecular-Recognition Membranes for Enantioseparations	Martin,Charles R	Chemistry NSF - Engineering Grant	05/01/97- 04/30/98	97027401 \$49,665
Electroactive Polymers - Application to Analysis, New Materials & Catalysis	Elliott,C Michael	Chemistry NSF-MPS-Mathematical & Physical Sciences	07/01/97- 06/30/00	97036601 \$503,157
Surface Reactivities of Halogenated Radicals during Plasma Etching of Semiconductor...	Fisher,Ellen R	Chemistry NSF - Engineering Grant	10/01/97- 09/30/00	97037701 \$282,543
Separation & Recovery of Ions from Aqueous Media with Redox-Recyclable Metal-complex Extractions	Strauss,Steven H	Chemistry US Department of Energy	10/01/97- 09/30/00	97048301 \$487,545
Chemistry of Surface Passivation of III V Semiconductor Surfaces with Atomic Resolution	Parkinson,Bruce Alan	Chemistry CAMI-Advanced Materials Institute/Colo.	07/01/97- 06/30/98	97051301 \$10,000
Separation & Recovery of Ions from Aqueous Media with Redox-Recyclable Metal-complex Extractions	Strauss,Steven H	Chemistry NSF - Engineering Grant	11/01/97- 10/31/00	97060001 \$487,539
Biophysics of Fce Receptor Signal Modulation - (Allergic Responses)	Barisas,B George	Chemistry HHS-NIH-National Institute of Health	03/01/98- 02/28/02	97060401 \$961,667
A Reference Materials Set for Assaying Complement Activation on Biomaterials Surfaces	Grainger,David W	Chemistry CATI-Colo. Advanced Technology Institute	07/01/97- 06/30/98	97061101 \$17,500
Crystallographic Studies of Proteins	Anderson,Oren P	Chemistry CATI-Colo. Advanced Technology Institute	07/01/97- 06/30/98	97061201 \$17,500

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Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Total Synthesis of Mureidomycins & TAN1057 Analogs	Williams,Robert M	Chemistry HHS-NIH-National Institute of Health	12/01/97- 11/30/01	97062301 \$1,155,053
Resonantly Enhanced Multiphoton Ionization Detection of the Measurement of Plasma Radical Surface	Fisher,Ellen R	Chemistry NSF-MPS-Mathematical & Physical Sciences	10/01/97- 09/30/98	97075701 \$75,000
Weakly Coordinating Anion-Activated Ni- & Pd-catalysts for Polymerizing Norbornene & Other Polycyclic...	Strauss,Steven H	Chemistry NSF-MPS-Mathematical & Physical Sciences	01/01/98- 12/31/00	97076001 \$364,025
Multisensor Target Recognition in the Context of Partially Modeled Scenes	Beveridge,J Ross	Computer Science DOD-ARMY-Advanced Concepts & Technology	01/01/97- 12/31/98	96083301 \$351,132
Learning to Populate Geospatial Databases via Markov Decision Processes	Draper,Bruce	Computer Science DOD-ARMY-Advanced Concepts & Technology	01/01/97- 12/31/98	96083401 \$330,776
Image Understanding Environment: Image Object Hierarchical Representations, Data Exchange...	Beveridge,J Ross	Computer Science Battelle, Research Park Triangle	10/01/96- 09/30/97	96084401 \$19,958
Scalable Visual Interfaces to Support Program Comprehension & Debugging	Vonmayrhauser,A	Computer Science University of Colorado	07/01/97- 06/30/00	96094501 \$114,075
Flexible Automated Software Test Generation using Artificial Intelligence (AI) Planning Technology	Vonmayrhauser,A Howe,Adele	Computer Science NSF-CISE-Computer & Info Sci & Engin	08/15/97- 08/14/00	96094901 \$223,768
Supportive Methodology & Tools for Model-based Planner Debugging	Howe,Adele	Computer Science DOD-ARPA-Advanced Research Proj. Agency	01/01/97- 12/31/99	96107301 \$339,544
Exploiting Problem Structure in Scheduling	Howe,Adele Whitley,L Darrell	Computer Science DOD-ARPA-Advanced Research Proj. Agency	01/01/97- 12/31/99	96110401 \$390,408
Computer Vision as a Control & Integration Problem	Draper,Bruce	Computer Science NSF-CISE-Computer & Info Sci & Engin	08/15/97- 08/14/02	96113801 \$270,808
Evaluation of Multithreading & Message Passing on Networks of Workstations	Bohm,Anton Pedro W	Computer Science DOD-ARPA-Advanced Research Proj. Agency	06/01/97- 05/31/00	96120301 \$98,813
Evaluation of Multithreaded Execution for Grand Challenge Applications	Najjar,Walid A	Computer Science DOD-ARPA-Advanced Research Proj. Agency	06/01/97- 05/31/00	96120401 \$98,813
Software Development Support for Large-scale Structured Scientific Application on Distributed Memory Machines	Gupta,Sandeep K	Computer Science NSF-Biological Centers	08/15/97- 08/14/02	96120601 \$282,960
Automated Velocity Picking: A Computer Vision & Optimization Approach	Whitley,L Darrell Beveridge,J Ross	Computer Science CASI-Colorado Advanced Software Inst.	08/15/97- 08/14/99	96123801 \$119,589
Evaluating Performance & Usability of Program Analysis Techniques for Software Maintenance...	Vonmayrhauser,A	Computer Science Wayne State University	08/15/97- 08/14/00	96124001 \$158,736
MODELING 2000 - Research of Efficient Use of Next Generation High Performance Computers	Gupta,Sandeep K	Computer Science UCAR-NCAR-Nat Ctr for Atmospheric Res	06/01/97- 05/31/00	96125801 \$208,951
Wearable Untethered Smart Terminals	Najjar,Walid A	Computer Science DOD-ARPA-Advanced Research Proj. Agency	07/01/97- 06/30/00	96125901 \$822,583
Modeling Student Pilots for Intelligent Training	Anderson,Charles Draper,Bruce	Computer Science CASI-Colorado Advanced Software Inst.	08/01/97- 07/31/98	96129201 \$34,048
Semi-automated Boundary Tracing of Medical Images for 3-D Model Development	Anderson,Charles	Computer Science CASI-Colorado Advanced Software Inst.	08/01/97- 07/31/98	96129301 \$34,411

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Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Flexible Automated Software Test Generation using Artificial Intelligence (AI) Planning Technology	Vonmayrhauser,Anneli Howe,Adele	Computer Science NSF-CISE-Computer & Info Sci & Engin	08/15/97- 08/14/99	97016101 \$150,018
The Practicality of EEG Classification with Neural Networks as a New Mode for Human-Computer Interaction	Anderson,Charles	Computer Science NSF-CISE-Computer & Info Sci & Engin	08/01/97- 07/31/00	97021301 \$312,521
Eigenprobing, A Robust Approach to Object Indexing	Beveridge,J Ross	Computer Science NSF-CISE-Computer & Info Sci & Engin	08/15/97- 08/14/00	97027101 \$151,938
Location Management Policies in Mobile Information Systems for Travelers (MIST)	Gupta,Sandeep K Srimani,Pradip	Computer Science Honda - Initiation Grant Program	08/01/97- 07/31/98	97059801 \$25,000
Dynamics of Nonsmooth Systems	Chin,Wai	Mathematics NSF-MPS-Mathematical & Physical Sciences	06/01/97- 05/31/02	96114901 \$200,986
Multi-Dimensional Assignment Techniques for Mobil Target Engagement	Poore,Aubrey B	Mathematics DOD-USAF-Air Force	02/01/97- 01/31/02	96119201 \$675,000
Numerical Continuation for Large Structured Systems	Allgower,Eugene L Georg,Kurt	Mathematics NSF-MPS-Mathematical & Physical Sciences	07/01/97- 06/30/00	96129501 \$302,578
Web-Based Mathematics Interface between K-12 & Higher Education	Gaines,Robert E	Mathematics CCHE-Commission on Higher Education	02/01/97- 06/30/99	97010001 \$337,656
Regional Community Policing Institute Project - Reduction in Crime in Colorado...	Standing Bear,Zug G	Mathematics US Department of Justice	01/01/97- 12/31/98	97020501 \$117,368
Division Algebra's	Demeyer,Frank R	Mathematics NSF-MPS-Mathematical & Physical Sciences	11/01/97- 10/01/98	97035901 \$26,107
Neural Network Dimensional Reduction of Dynamical Systems	Kirby,Michael J	Mathematics University of Colorado	10/01/97- 09/30/00	97053801 \$203,934
Identification of Nonlinear Functional Dependencies of Constitutional Laws in Fluid & Reactive Transport	Duchateau,Paul C Butters,Gregory	Mathematics NSF-SBE-Social, Behav & Econ Sciences	01/01/98- 12/31/99	97070401 \$16,150
Test Bed Instrumentation for the Analysis of Microwave 7 Millimeter Wave Devices	Kabos,Pavel	Physics DOD-ARMY-ARO-Army Research Office	03/01/97- 02/28/98	96095901 \$212,325
High Pressure Study of Incommensurate Systems	Hochheimer,Hans D	Physics NSF-MPS-Mathematical & Physical Sciences	05/01/97- 04/30/00	96100101 \$316,263
Scanning Probe Microscopy of Superconducting Systems	Field,Stuart	Physics NSF-MPS-Mathematical & Physical Sciences	05/01/97- 04/30/00	96112301 \$548,653
High Energy Cosmic Ray Studies & CP Violation in the B-Quark System	Harton,John	Physics NSF-MPS-Mathematical & Physical Sciences	04/15/97- 04/14/02	96113201 \$493,210
Microwave Magnetic Envelope Solitons in Thin Films	Patton,Carl E Kabos,Pavel	Physics NSF-MPS-Mathematical & Physical Sciences	06/01/97- 05/31/00	96115001 \$316,866
Theory of Electromigration-induced Degradation & Failure of Fine Metal Lines	Bradley,Richard M	Physics NSF-MPS-Mathematical & Physical Sciences	05/01/97- 04/30/00	96120701 \$193,497
Measurement of the Magnetically-induced Quantum Electrodynamics Birefringence of the Vacuum	Lee,Siu Au Fairbank,William M J	Physics NSF-MPS-Mathematical & Physical Sciences	08/01/97- 07/31/00	96122301 \$681,746
Scanning Probe Microscopy of Superconducting Systems	Field,Stuart	Physics US Department of Energy	06/01/97- 05/31/00	96134501 \$548,653

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Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Microwave Absorption Properties of Ferrite Materials for High Power Limiter Applications	Patton,Carl E Green,Jerome J	Physics DOD-ARMY-ARO-Army Research Office	07/01/97- 06/30/00	96134801 \$370,659
Research in Experimental Elementary Particle Physics	Harton,John	Physics US Department of Energy	04/15/97- 04/14/00	97002101 \$278,277
Microwave & Brillouin Light Scattering Study of Magnetic Envelope Solitons	Patton,Carl E	Physics NATO-North Atlantic Treaty Organization	04/01/97- 03/31/99	97025301 \$34,000
Improved Continuing Lidar Observation & Geophysical Study of the Mesopause Region	She,Chiaoyao Krueger,David A	Physics NSF-GEO-Geosciences	01/01/98- 12/31/01	97054201 \$392,282
Anger Management to Prevent Alcohol Abuse Consequences	Deffenbacher,Jerry L Oetting,Eugene R	Psychology HHS-PHS-Alcohol Research Programs	07/01/97- 06/30/02	96100401 \$1,356,421
Downsizing & Survivor Creativity	James,Keith	Psychology Lehigh University	03/01/97- 08/30/00	96116401 \$58,847
Development of an Integrated Cost Benefit Model for FACTOR 1000	Murphy,Kevin R	Psychology Biofactors, Inc.	02/01/97- 09/01/97	97022101 \$5,875
Program for Indian Post-Secondary Education	James,Keith	Psychology DE-FIPSE-Fund Imp. of Post. Sec. Educ.	07/31/97- 07/31/00	97029801 \$212,828
Brain Injury in Partner Abusive Men: A Rural/Urban Comparison	Arellano,Charleanea	Psychology HHS-CDC-Centers for Disease Control	09/01/97- 08/31/00	97048701 \$712,904
Development of a Family Violence Severity Measure & a Model for Estimating Family Violence Rates...	Thurman,Pamela J	Psychology Iowa State University	07/01/97- 06/30/98	97062401 \$124,971
Development & Initial Exploration Trials for Bowhead Aboriginal Whaling Management Procedures	Givens,Geof H	Statistics Alaska Department of Wildlife Management	08/15/96- 06/30/97	96082301 \$66,541
Analysis of DNA Breaks During Meiosis in Higher Plants: A Test of Current Models for Recombination	Stack,Stephen	Biology NSF-Biological Centers	01/01/97- 12/01/99	96077401 \$311,326
Interacting Partners of Amino-terminal Region of a New Member of a Kinesin Superfamily	Reddy,A	Biology DOE-Office of Energy Research	12/15/96- 12/14/99	96083501 \$324,126
Genetic (OTL) Analysis of Ovicidal Behavior in an Outbreeding Parasitoid Wasp	Antolin,Michael F	Biology NSF-Biological Centers	03/01/97- 02/28/00	96109201 \$298,683
Host Adaptation in a Parasitoid Wasp: Dissertation Research	Antolin,Michael F Vaughn,Ty T	Biology NSF-Biological Centers	04/01/97- 04/01/98	96113701 \$4,000
Consequences of Landscape Heterogeneity on Animal Movements: Empirical Determination of the Effects...	Wiens,John A McIntyre,Nancy E	Biology NSF-Biological Centers	04/01/97- 09/01/98	96114301 \$8,720
Apoptosis-like Programmed Cell Death & Sustained Calcium Influx in Synegrid Cells	Chaubal,Rajendra Bedinger,Patricia A	Biology USDA-CSRS-CGP-Competitive Grants Program	06/01/97- 05/31/99	96131401 \$153,818
Analysis of Plant U1 snRNP 70K Protein Function in Basic & Alternative Splicing	Reddy,A	Biology USDA-CSRS-CGP-Competitive Grants Program	07/01/97- 06/30/00	96131601 \$257,826
Animal Culture - Vocal Signal Function	Baker,Myron C	Biology National Science Foundation	08/01/97- 07/31/00	96133401 \$133,598
Genetic Analysis of Pollen Extensin Genes	Bedinger,Patricia A	Biology USDA-CSRS-CGP-Competitive Grants Program	06/01/97- 05/31/99	97002601 \$157,147

College: Natural Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Use of Transgenic Plants & Pollen to Study Pollen Extensins	Bedinger,Patricia A	Biology National Science Foundation	06/01/97- 05/31/98	97004301 \$49,986
Characterization of a Limb Autotomy Factor, LAFpro, that Suspends Molting in Crustaceans	Mykles,Donald L	Biology NSF-Biological Centers	09/01/97- 08/31/99	97006501 \$176,964
Population Genetic Structure of Insecticide Resistance in the Diamondback Moth	Antolin,Michael F	Biology Ohio State University	07/01/97- 06/30/99	97009101 \$16,400
Sex Allele Diversity in Bracon Hebetor - An Alternative to Insecticides	Antolin,Michael F	Biology University of Wisconsin	07/01/97- 06/30/99	97009201 \$22,506
Integrating the Life Sciences: Meeting the Needs of the 21st Century	Florant,Gregory L	Biology NSF-Biological Centers	02/28/97- 03/01/97	97016301 \$5,000
Role of Kinesin-like Protein, A Novel Ca ²⁺ -Calmodulin Modulated Micro Tubule Motor Protein from Arabidop...	Safadi-Chamberlain,F	Biology National Aeronautics & Space Admin.	01/10/97- 01/10/99	97019901 \$60,659
Evolution of Learning-Related Neuromodulation	Wright,William G	Biology NSF-Biological Centers	08/15/96- 07/31/97	97020201 \$5,000
Diversity & Phylogeny of Cryptomonads: A Comprehensive Structural & Molecular Approach	Kugrens,Paul	Biology NSF-Biological Centers	09/01/97- 08/31/02	97020701 \$580,299
Schizoid Signal Reception in the Vegetative Shoot Apex	Medford,June I	Biology US Department of Agriculture	02/21/97- 02/20/98	97023301 \$57,323
Wellcome Visiting Professorship - Cellular & Molecular Biology Collaboration	Mykles,Donald L	Biology Burroughs-Wellcome Fund Foundation	09/01/97- 08/31/98	97024501 \$5,000
The Effect of Hibernation & Lack of Food Intake on Atherosclerosis	Florant,Gregory L	Biology Arizona State University	06/01/97- 09/30/97	97041401 \$756
Multi-scaled Ecological Assessment Methods: Prototype Development within the Interior...	Poff,Nathan L	Biology Environmental Protection Agency	02/01/97- 01/31/00	97049401 \$99,586
Dynamics of Recombination Nodule Proteins	Anderson,Lorinda Kis	Biology HHS-NIH-National Institute of Health	04/01/98- 03/31/03	97063301 \$493,313
Mapping Recombination Nodules on the Synaptonemal Complexes of Zea Mays	Stack,Stephen	Biology Pioneer Hi-Bred International, Inc.	01/01/98- 12/31/99	97075001 \$69,831
Animal Culture-Vocal Signal Function	Baker,Myron C	Biology NSF-Biological Centers	12/01/97- 11/30/00	97075401 \$134,094
Phylogenetic & Monographic Studies in the Aralia-Panax Complex of the Ginseng Family	Wen,Jun	Biology NSF-Biological Centers	01/01/98- 12/31/01	97078101 \$182,635

College: Veterinary Medicine & Biomedical Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Professional Veterinary Medicine	Voss,James L	Dean of Veterinary Medicine CCHE-Commission on Higher Education	07/01/97- 06/30/02	96113101 \$846,972
Extramural Research Facilities Construction	Voss,James L	Dean of Veterinary Medicine HHS-NIH-National Institute of Health	09/30/97- 09/29/98	97010101 \$1,000,000
Scholarship for Disadvantaged Students - Enhancement of the Recruitment & Retention of Minorities & Disadvantaged...	McConnell,Sherry	Dean of Veterinary Medicine US Department of Health & Human Services	08/01/97- 07/31/98	97046001 \$37,200
Physiological Effects of Central Core Disease Mutations	Dirksen,Robert T	Anatomy & Neurobiology Muscular Dystrophy Association, Inc.	01/01/97- 12/31/99	96072401 \$162,451
Heterotypic Connexin Types in Heterologous Glial Gap Junctions	Rash,John E Duffy,Heather	Anatomy & Neurobiology HHS-NRSA-Nat. Research Service Award	01/01/97- 12/31/98	96081401 \$13,008
Molecular Characterization of K ⁺ Channels in Taste Cells	Kinnamon,Sue C Stone-Roy,Leslie M	Anatomy & Neurobiology HHS-NRSA-Nat. Research Service Award	02/01/97- 01/31/00	96082001 \$89,700
Calcium Channel Localization & Function in Motoneurons	Beam,Kurt G Lorenzon,Nancy M	Anatomy & Neurobiology HHS-NRSA-Nat. Research Service Award	01/01/97- 01/01/00	96082101 \$89,700
Pharmacological Contributions of GluRB to Allosteric Modulation of AMPA Receptors	Partin,Kathryn M	Anatomy & Neurobiology Pharmaceutical Res./Mfr. of Amer. Found	01/01/97- 12/31/97	96092601 \$12,500
Role of Estrogen & Progesterone in Catamenial Epilepsy	Dudek,F Edward Suter,Kelly J	Anatomy & Neurobiology American Epilepsy Foundation	07/01/97- 06/30/98	96093301 \$40,000
Transcriptional Mechanisms of Aging & Alzheimer's Disease	Neuman,Toomas	Anatomy & Neurobiology Alzheimer's Association	02/01/97- 01/31/00	96095101 \$150,000
Control of Calcium Movement in Muscle	Dirksen,Robert T	Anatomy & Neurobiology HHS-PHS-Public Health Services	07/01/97- 06/30/02	96101601 \$484,604
Signaling between Calcium Channels	Beam,Kurt G	Anatomy & Neurobiology Harvard University	07/01/97- 06/30/02	96103901 \$1,103,062
Functional Analysis of the AMPAR Flip/Flop Domain	Partin,Kathryn M	Anatomy & Neurobiology HHS-PHS-Public Health Services	07/01/97- 06/30/02	96104101 \$507,500
Cross-species Transplantation of Circadian Behavior	Pickard,Gary E	Anatomy & Neurobiology HHS-PHS-Public Health Services	08/01/96- 01/31/00	96107101 \$844,053
Regulation of Proximal Gastrointestinal Tract	Barber,William D	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	07/01/97- 06/30/02	96118801 \$960,973
Synaptic Reorganization After Cerebral Ischemia	Dudek,F Edward	Anatomy & Neurobiology American Heart Association	07/01/97- 06/30/98	96126301 \$57,518
Synaptic Interactions in the Nucleus of the Solitary Tract	Barber,William D	Anatomy & Neurobiology American Heart Association	07/01/97- 06/30/99	96126401 \$59,994
Molecular Mechanism of Negative Modulation of AMPA Receptors by 2,3-Benzodiazepine	Partin,Kathryn M	Anatomy & Neurobiology American Heart Association	07/01/97- 06/30/98	96126501 \$24,999
Role of the C ₂ A Domain of Synaptotagmin in Neurotransmitter Release	Reist,Noreen E	Anatomy & Neurobiology American Heart Association	07/01/97- 06/30/98	96126601 \$25,000
Electrophysiology of GnRH/NonGnRH Neurons	Dudek,F Edward Suter,Kelly J	Anatomy & Neurobiology HHS-NRSA-Nat. Research Service Award	04/01/97- 04/01/00	96129401 \$22,608

College: Veterinary Medicine & Biomedical Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
NMDA & non-NMDA Receptors: A Search for a Common Allosteric Pathway to the Pore	Partin,Kathryn M	Anatomy & Neurobiology McKnight Foundation	07/01/97- 06/30/00	97002201 \$150,000
Do NMDA & Non-NMDA Glutamate Receptors Share a Common Functional Domain?	Partin,Kathryn M	Anatomy & Neurobiology NSF-Biological Centers	07/01/97- 06/30/98	97005701 \$70,398
Structure/Analysis of Synaptotagmin in Neurotransmitter Release	Reist,Noreen E	Anatomy & Neurobiology Muscular Dystrophy Association, Inc.	07/01/97- 06/30/00	97008301 \$166,293
Calcium Channel Function in Mammalian Motoneurons	Beam,Kurt G Lorenzon,Nancy M	Anatomy & Neurobiology Spinal Cord Research Foundation	07/01/97- 06/30/00	97008401 \$113,414
Mechanisms Underlying Seasonal Changes in Fertility in Sheep	Dudek,F Edward Suter,Kelly J	Anatomy & Neurobiology Lalor Foundation	06/01/97- 05/31/98	97013301 \$21,676
Functional Analysis of Synaptotagmin Domain Struction	Reist,Noreen E	Anatomy & Neurobiology US Department of Health & Human Services	12/01/97- 11/30/02	97018901 \$507,500
Structural & Functional Alterations in the Hippocampus of Cats Infected with the FIV	Dudek,F Edward Mitchell,Thomas W	Anatomy & Neurobiology Pfizer Inc - Animal Health	07/01/97- 06/30/98	97050701 \$10,000
Changes in Water & Ion Channels after Seizure Activity	Hudson-Furman,Sue	Anatomy & Neurobiology HHS-NIH-National Institute of Health	04/01/98- 03/31/03	97058201 \$573,784
Gap Junctions Identified in Spinal Cord Neurons of the Rat	Rash,John E	Anatomy & Neurobiology HHS-NIH-National Institute of Health	05/01/98- 04/30/02	97073701 \$999,704
Antigen Presentation During Malaria Infection	Avery,Anne C	Pathology WHO-World Health Organization	01/01/97- 12/31/98	96080701 \$31,729
Niemann-Pick Type C: Investigations in a Feline Model	Thrall,Mary Anna Royals,Kyra L	Pathology HHS-NRSA-Nat. Research Service Award	07/01/97- 06/30/00	96081701 \$89,700
Cytokine Profiles in the Progression of FIV Infection	Hoover,Edward A Avery,Paul R	Pathology HHS-NRSA-Nat. Research Service Award	09/01/96- 08/31/99	96081801 \$93,600
Pathogenesis & Intervention of Prenatal FIV Infection	Hoover,Edward A Rogers,Arlin B	Pathology HHS-NRSA-Nat. Research Service Award	09/01/96- 08/31/99	96081901 \$93,600
Modulation of T-cell Responses to B. burgdorferi	Golde,William T	Pathology HHS-PHS-Public Health Services	07/01/97- 06/30/02	96101101 \$1,318,395
Arthropod-based Vaccines to Control Disease Transmission	Titus,Richard Nelson,Ann M	Pathology HHS-PHS-Public Health Services	07/01/97- 06/30/02	96102301 \$390,712
Mechanisms of Malaria Resistance: Roles of Alpha Spectrin Polymorphism's & Rate of Erythropoiesis	Swardson,Christine J	Pathology Searle Scholars Award	07/01/97- 06/30/00	96107401 \$180,000
Mechanisms of Transplacental Lentivirus Transmission	Hoover,Edward A Rogers,Arlin B	Pathology HHS-NRSA-Nat. Research Service Award	07/01/97- 06/30/00	96128901 \$97,500
Nutritional Enhancement of Cat Immune Responses to Vaccination	Callahan,Gerald N	Pathology Robert H. Winn Foundation	04/01/97- 03/30/98	96130201 \$14,942
Development of an Assay for Multiple Feline Cytokines	Hoover,Edward A	Pathology Robert H. Winn Foundation	05/01/97- 04/30/98	96130501 \$7,850
Immunity Induced by Avirulent Lentiviruses in Cats	Vandewoude,Sue	Pathology HHS-PHS-Public Health Services	07/01/97- 06/30/02	97002001 \$507,500

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Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Arthropod Vector Based Vaccines which Utilize Novel Salivary Gland Proteins to Control Disease Transmission	Titus,Richard	Pathology Burroughs-Wellcome Fund Foundation	07/01/97- 06/30/02	97008701 \$400,000
DNA Damage & Apoptosis in Ochratoxin Nephropathy	Frank,Anthony A	Pathology USDA-CSRS-CGP-Competitive Grants Program	09/01/97- 08/31/99	97012901 \$99,429
Ovine Lentivirus Lymphoid Interstitial Pneumonia Model	Keane,Kevin A Demartini,James C	Pathology HHS-NIH-National Institute of Health	12/01/97- 11/30/00	97014401 \$204,321
Promotion of Hepatic Neoplasia by PCB Mixtures	Benjamin,Stephen A Dean,Charles E	Pathology HHS-NIH-NCI-National Cancer Institute	12/01/97- 11/30/02	97015801 \$364,512
Mechanisms of Malaria Resistance: Polymorphism's in Erythrocyte Surface Molecules	Swardson,Christine J	Pathology National Found. for Infectious Diseases	05/01/97- 04/30/98	97019201 \$2,000
Expression Vectors & Tranfection Protocols for Malaria Parasite Plasmodium Yoelii	Burnett,Robert C	Pathology National Found. for Infectious Diseases	05/01/97- 04/30/98	97019701 \$2,000
Pathogenesis of Feline Immunodeficiency Virus Infection	Hoover,Edward A	Pathology HHS-NIH-National Institute of Health	01/01/98- 12/31/02	97023901 \$2,145,633
DNA Damage/Apoptosis in MNU Induced Craniofacial Defects	Frank,Anthony A	Pathology US Department of Health & Human Services	09/01/97- 08/31/00	97024601 \$294,833
Dietary Effects on Phenobarbital Pharmacokinetics in Canine Epilepsy	Fettman,Martin J Greco,Deborah S	Pathology Morris Animal Foundation	07/01/97- 06/30/99	97035401 \$36,128
Effects of Lentivirus Infection on Pulmonary Macrophages	Keane,Kevin A Demartini,James C	Pathology HHS-NIH-National Institute of Health	09/01/97- 08/31/00	97035501 \$100,709
Radiation & Chemical Interactions in Hepatocarcinogenesis: A Mechanistic Approach to Assessing Cancer Risk...	Benjamin,Stephen A	Pathology US Department of Energy	09/02/97- 09/01/00	97039901 \$872,062
HIV Effects on Primitive Hematopoietic Cells	Akkina,Ramesh K	Pathology University of Colorado Health Sci Ctr	12/01/97- 11/30/01	97046101 \$415,708
Surveillance for Transmissible Spongiform Encephalopathies in Deer, Elk, & Cattle	Powers,Barbara E Spraker,Terry R	Pathology US Department of Agriculture	09/01/97- 08/31/00	97049601 \$595,101
HIV Pathogenesis & Gene Therapy in SCID-hu-Mice	Akkina,Ramesh K	Pathology HHS-NIH-National Institute of Health	12/01/97- 11/30/01	97050301 \$1,006,905
Stem Cell Gene Therapy: Improved Retroviral Vectors for Ribozyme Gene Delivery & Development of the SCID-hu...	Akkina,Ramesh K	Pathology CATI-Colo. Advanced Technology Institute	07/01/97- 06/30/98	97060801 \$34,601
Maxadilan-based Vaccines for Leishmaniasis	Titus,Richard G	Pathology CATI-Colo. Advanced Technology Institute	07/01/97- 06/30/98	97060901 \$17,500
Diagnosis of Canine Lymphoma by Analysis of Antigen Receptor Gene Rearrangement	Avery,Anne C Burnett,Robert C	Pathology AVMA-Amer. Veterinary Med. Assoc Found	08/01/97- 07/31/98	97077601 \$10,207
Pathogenesis of Diabetic Neuropathy 09	Ishii,Douglas N	Physiology HHS-PHS-Biol Basis Research in Neurosci	04/01/97- 03/31/01	96078801 \$1,235,788
Cardiopulmonary Consequences of Long-term Hypersynchronous Neurological Activity in Epileptic Rats	Tucker,Alan	Physiology American Heart Association	07/01/97- 06/30/99	96127201 \$60,000
GnRH Analog Toxins: Use for Gonadal Inhibition	Nett,Torrance M	Physiology Gonex, Inc	07/01/97- 06/30/98	96128201 \$41,000

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Delivery of Therapeutic Proteins to Dogs by Intramuscular Injection of Plasmid DNA	Bowen,Richard A	Physiology Robert H. Winn Foundation	05/01/97- 04/30/98	96130601 \$13,034
Methods to Enhance Viability of Cooled Stallion Sperm	Squires,Edward L	Physiology AQHA-American Quarter Horse Assoc.	10/01/97- 09/30/98	96134701 \$19,958
Organization of LH Receptors on Luteal Cell Membranes	Roess,Deborah A	Physiology NSF-Biological Centers	07/01/97- 06/30/01	97006701 \$420,384
Organization of LH Receptors on Luteal Cell Membranes	Roess,Deborah A	Physiology USDA-CSRS-CGP-Competitive Grants Program	07/01/97- 06/30/01	97008501 \$429,621
Molecular Basis of Abnormalities in Bovine Pregnancies from Cloned Embryos	Seidel,George E Jr	Physiology USDA-CSRS-CGP-Competitive Grants Program	09/01/97- 08/31/00	97009401 \$353,183
Heterogeneity in Cardiac K+ Channel Function	Tamkun,Michael	Physiology Vanderbilt University	08/01/97- 07/31/02	97009801 \$280,514
Doramectin Study	Squires,Edward L	Physiology Pfizer Inc - Animal Health	03/01/97- 10/31/98	97010301 \$399,137
Use of Liposomes to Cryopreserve Rooster Sperm	Graham,James K	Physiology USDA-CSRS-CGP-Competitive Grants Program	09/01/97- 08/31/00	97010601 \$210,322
Growth & Maturation of Bovine Preantral Follicles In Vitro	Sawyer,Heywood R Clay,Colin	Physiology USDA-CSRS-CGP-Competitive Grants Program	09/01/97- 08/31/99	97015101 \$155,043
Mechanisms Regulating the Mid Luteal Phase Increase in Secretion of FSH in Cows	Nett,Torrance M	Physiology USDA-CSRS-CGP-Competitive Grants Program	09/01/97- 08/31/00	97015301 \$260,264
Uterine Horn Insemination using Atraumatic, Side-opening Sheaths	Seidel,George E Jr	Physiology National Association of Animal Breeders	07/01/97- 06/30/98	97016501 \$13,319
Anti-Androgenic Pesticides: Impact on Male Reproduction	Veeramachaneni,D N R	Physiology Environmental Protection Agency	10/01/97- 09/30/00	97016701 \$454,974
Extracellular Matrix Regulation of Luteal Function	McIntush,Eric W	Physiology USDA-CSRS-CGP-Competitive Grants Program	09/01/97- 08/31/99	97017401 \$89,444
Fetal Growth Retardation: Interaction of Early Placental Development & Function	Anthony,Russell V	Physiology University of Colorado Health Sci Ctr	09/01/97- 08/31/00	97018601 \$88,425
Molecular & Functional Characterization of the Bovine Mx Antiviral System	Bowen,Richard A	Physiology USDA-CSRS-CGP-Competitive Grants Program	09/01/97- 08/30/99	97019401 \$80,648
Molecular Regulation of Ovine Star	Niswender,Gordon D	Physiology USDA-CSRS-CGP-Competitive Grants Program	09/01/97- 08/31/00	97019501 \$265,572
Efficacy of an Oral IgG Product for Newborn Foals	Squires,Edward L Franz,Lilian	Physiology Diagnon Corporation	03/01/97- 08/01/97	97033601 \$24,954
Community-based Livestock Integrated Resource Management	Niswender,Gordon D Green,Ronnie D	Physiology US Department of Agriculture	09/01/97- 08/31/01	97050401 \$598,624
Regulatory Mechanisms of Cardiac Repolarization	Tamkun,Michael	Physiology HHS-NIH-National Institute of Health	07/01/97- 12/31/01	97054301 \$1,289,843
Molecular Physiology of Uterine Sodium Channels	Tamkun,Michael	Physiology HHS-NIH-Child Health & Human Development	07/01/97- 06/30/99	97054401 \$361,783

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Food & Agricultural Sciences National Needs Graduate Fellowship -- Animal Biotechnology	Niswender,Gordon D	Physiology US Department of Agriculture	09/01/97- 08/31/02	97056001 \$216,000
Fetal Growth Retardation: Interaction of Early Placental Development & Function	Anthony,Russell V	Physiology University of Colorado Health Sci Ctr	04/01/98- 03/31/99	97060101 \$364,393
IGF & Preservation of Brain Function (Research-New Treatments for Alzheimer's & Parkinson's)	Ishii,Douglas N	Physiology HHS-NIH-National Institute of Health	04/01/98- 03/31/01	97063101 \$678,969
Molecular Physiology of Uterine Sodium Channels	Tamkun,Michael	Physiology HHS-NIH-Child Health & Human Development	07/01/97- 06/30/99	97073201 \$361,783
Science Motivation Program -- High School Students & Teachers in Biomedical Sciences	Miller,Charles W	Physiology HHS-NIH-Nat. Ctr. for Research Resources	04/01/98- 03/31/01	97075801 \$238,726
Effects on Development & Reproduction in Rabbits following Exposure to DBA (Dibromoacetic Acid)	Veeramachaneni,D N R Sawyer,Heywood R	Physiology Environmental Protection Agency	10/01/97- 09/30/00	97077401 \$310,000
Cytogenetics of Feline Vaccine-associate Sarcomas for Prevention, Prediction, & Treatment Intervention...	Larue,Susan M	Radiological Health Sciences Robert H. Winn Foundation	03/01/97- 02/28/98	96130001 \$15,000
Mass Balance & Cycling of Atmospherically Transported Radionuclides in Alpine Lake. & Stream Eco...	Rowan,David J Whicker,Floyd W	Radiological Health Sciences NSF-Biological Centers	09/01/97- 09/01/01	96131901 \$432,360
Use of Comparative Genomic Hybridization as a Diagnostic Test for Collie Eye Anomaly	Drabek,Russell R	Radiological Health Sciences Collie Club of America Foundation	04/01/97- 03/31/98	96133701 \$11,225
Determining Significant Endpoints for Risk Analysis	Bedford,Joel S Whicker,Floyd W	Radiological Health Sciences University of Georgia	01/01/97- 12/31/99	97002501 \$399,180
Estimating the Metabolic Cost of Chronic Exposure to Metals in Wild Fish Populations & its Effect on Mercury...	Rowan,David J	Radiological Health Sciences Environmental Protection Agency	09/01/97- 09/01/00	97011201 \$182,264
Chromosome Inversions & Cancer	Bedford,Joel S	Radiological Health Sciences HHS-NIH-NCI-National Cancer Institute	12/01/97- 11/30/02	97014001 \$1,541,416
Breast Cancer & Fallout in Semipalatinsk Oblast in the Former Soviet Union	Elkind,Mortimer M	Radiological Health Sciences CRDF-Civilian Rsrch & Dvlpmt Foundation	10/01/97- 09/30/99	97017001 \$11,100
Development of a Detector System to Measure the Intensity & Energy Distribution of Low Energy	Borak,Thomas B	Radiological Health Sciences DOE-Office of Energy Research	09/01/97- 08/30/98	97023101 \$50,000
The Use of DOP-PCR & CGH on Archived Canine Tumor Samples Embedded in Paraffin & on Glass Slides	Waldren,Charles A Drabek,Russell R	Radiological Health Sciences Cancer League of Colorado, Inc.	07/01/97- 06/30/98	97023601 \$17,199
Assessment of Plutonium Burdens in People Living Around the Rocky Flats Plant	Ibrahim,Shawki A	Radiological Health Sciences DOE-Oakridge Operations Office	09/01/97- 08/31/98	97023701 \$49,826
Independent Validation of Marine & Terrestrial Source Terms & Transport Models	Whicker,F Ward Ibrahim,Shawki A	Radiological Health Sciences British Nuclear Fuels	05/01/97- 04/29/99	97033701 \$511,008
Investigation of Tumor Cytogenetics & Biology of Feline Vaccine Induced Sarcomas	Larue,Susan M	Radiological Health Sciences Morris Animal Foundation	09/01/97- 08/31/00	97037101 \$60,000
Water/Sediment Exchange Kinetics of Radionuclides & Heavy Metals in Surface Water Systems	Ibrahim,Shawki A Whicker,F Ward	Radiological Health Sciences US Department of Energy	07/01/97- 06/30/00	97039601 \$761,274
Lichens as Biomonitors for Health Risk Assessment	Ibrahim,Shawki A Whicker,F Ward	Radiological Health Sciences US Department of Energy	07/01/97- 06/30/00	97039801 \$536,011

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An Integrative Technique for Assessing Aquatic Ecosystem Damage from Chronic Exposure to Mixtures of Radionuc...	Rowan,David J	Radiological Health Sciences US Department of Energy	01/01/98- 12/31/01	97040001 \$224,438
Detection of Cryptic Chromosome Inversions	Bedford,Joel S	Radiological Health Sciences HHS-NIH-NCI-National Cancer Institute	10/01/97- 09/30/00	97053601 \$429,243
Modulating Apoptosis through the Regulation of Heat Shock Protein 70	Fox,Michael H	Radiological Health Sciences Elsa U. Pardee Foundation	10/01/97- 09/30/98	97067201 \$105,743
Evaluation of Natural Radioactivity in Smokeless Tobacco Products	Ibrahim,Shawki A	Radiological Health Sciences Smokeless Tobacco Research Council, Inc.	01/01/98- 12/31/00	97068101 \$200,359
Uncertainty Analysis of Neutron Dose Estimates for Former Workers at the DOE Rocky Facility	Borak,Thomas B	Radiological Health Sciences US Department of Energy	07/01/97- 09/30/98	97074101 \$98,516
High Plains Intermountain Center for Agricultural Health & Safety	Buchan,Roy M	Environmental Health HHS-Occup Safety/Health Research Grants	09/30/96- 09/29/01	96071301 \$3,749,455
Prevention of Oxidative DNA Damage in Human Breast Cells by Melatonin	Cosma,Greg N	Environmental Health American Cancer Society, Inc.	09/01/96- 08/31/97	96086001 \$14,026
Occupational Health & Safety Consultation Program	Buchan,Roy M	Environmental Health DOL-OSHA-Occupa. Safety & Health Admin.	10/01/96- 09/30/97	96087401 \$486,600
Geographic Information System for Agricultural Chemicals Exposure	Nuckols,John R	Environmental Health Survey Research Assoc, Inc/sub Battelle	08/01/96- 01/31/97	96088901 \$49,996
Studies of Chemical Disposition in Mammals	Yang,Raymond S H Billings,Ruth E	Environmental Health HHS-NIH-Environmental Health Services	07/01/97- 06/30/02	96090101 \$3,169,033
Epidemiology of Vesicular Stomatitis in the Western Hemisphere	Salman,Mowafak D	Environmental Health USDA-OICD-International Coop. Develop.	08/15/96- 09/30/97	96094101 \$48,990
Colorado Environmental Health Science Education Project	McCalden,Thomas A Stein,Fredrick M	Environmental Health HHS-NIH-Nat. Ctr. for Research Resources	08/01/97- 07/31/00	96100901 \$729,514
Historical Prospective Study: Breast Cancer & Organochlorine Pesticides & Polychlorinated Biphenyl's...	Keefe,Thomas J	Environmental Health HHS-PHS-Public Health Services	07/01/97- 06/30/99	96101001 \$71,187
Identification of Geographic Areas	Nuckols,John R	Environmental Health Hagler Bailly Consulting, Inc.	01/01/97- 12/31/97	96119001 \$60,145
Geographical Information Management System for Control of Schistosomiasis in a Lake Endemic of P.R.C...	Nuckols,John R	Environmental Health WHO-World Health Organization	06/01/97- 05/31/00	96129001 \$177,785
Predictive Models for AIDS Combination Therapy	Yang,Raymond S H	Environmental Health HHS-NIH-NCI-National Cancer Institute	10/01/97- 09/30/01	96135101 \$1,517,860
Aflatoxin Metabolism & Toxicity in Chickens	Ramsdell,Howard S	Environmental Health USDA-CSRS-CGP-Competitive Grants Program	10/01/97- 09/30/99	97010201 \$198,247
Molecular Genetic Tools for Epidemiologic Studies of Mycobacterium Bovis in Cattle	Salman,Mowafak D Black,William C IV	Environmental Health USDA-CSRS-CGP-Competitive Grants Program	10/01/97- 09/30/00	97010401 \$268,473
Predictive Models for Combination Cancer Chemotherapy	Gustafson,Daniel L Yang,Raymond S H	Environmental Health HHS-NIH-NCI-National Cancer Institute	07/01/97- 06/30/02	97012001 \$519,223
Development of PBPK Models for Biologic & Chemical Therapy Combinations used in the Treatment of AIDS	Yang,Raymond S H	Environmental Health Cancer League of Colorado, Inc.	07/01/97- 06/30/98	97018401 \$19,948

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Effects & Biomarkers of Environmental Endocrine Disrupters in Amphibians	Ramsdell,Howard S	Environmental Health Environmental Protection Agency	10/01/97- 09/30/00	97018501 \$497,432
HomeSafe Program Evaluation - Joint Venture between OSHA & the Home Builders Association	Bigelow,Philip L	Environmental Health DOL-OSHA-Occupa. Safety & Health Admin.	02/01/97- 01/31/01	97021201 \$296,220
QSAR & PBPK/PD Modeling Approach for Chlorobenzene Carcinogenicity/Assessment	Yang,Raymond S H	Environmental Health DOD-USAF-Office of Scientific Research	12/01/97- 11/30/00	97023201 \$611,469
Molecular Biomarkers of Organic Dust Exposures	Cosma,Greg N	Environmental Health HHS-NIH-National Institute of Health	04/01/97- 03/31/98	97029401 \$85,936
Center for Infectious Diseases Affecting Trade - Planning Phase	Salman,M D Beaty,Barry J	Environmental Health US Department of Agriculture	08/01/97- 02/01/98	97030801 \$25,000
International Symposium: Environmental Engineering & Health Sciences	Nuckols,John R Yang,Raymond K	Environmental Health HHS-NIH-Environmental Health Services	07/01/97- 06/30/98	97041601 \$39,530
Integrated Analyses of Gulf War Illnesses based on Geographical Information Systems (GIS) & PBPK/PD Model...	Yang,Raymond K	Environmental Health DOD-ARMY-Medical Research & Development	11/01/97- 10/31/01	97047901 \$1,279,861
Persistence & Transmission of Vesicular Stomatitis: A System Based Approach	Salman,M D	Environmental Health US Department of Agriculture	10/01/97- 09/30/00	97048901 \$599,923
Conference: Current Issues on Chemical Mixtures	Yang,Raymond S H	Environmental Health DOD-ARMY-Medical Research & Development	08/11/97- 08/13/97	97049501 \$5,000
Evaluation of HomeSafe: Injury Prevention & Outcomes	Bigelow,Philip L Herron,Robert E	Environmental Health HHS-NIH-National Institute of Health	09/30/97- 09/30/00	97054601 \$583,886
PBPK Modeling of Combination Therapy Regimes Used in the Treatment of Cancer	Gustafson,Daniel L	Environmental Health Whitaker Foundation	12/01/97- 11/30/00	97056301 \$198,074
Summitville Mine / Alamosa River: Livestock Exposure Investigation	Ramsdell,Howard S Kimberling,Cleon V	Environmental Health DOI-USGS-Geological Survey	05/20/97- 12/31/97	97063001 \$53,960
Cohort Study of Unintentional Injury Risk Factors among Ohio Farm Youth	Stallones,Lorann	Environmental Health HHS-NIH-National Institute of Health	09/30/97- 09/29/00	97064101 \$20,544
Molecular Biomarkers of Oxidant & Antioxidant Responses	Cosma,Greg N	Environmental Health HHS-NIH-National Institute of Health	10/01/97- 09/30/98	97064301 \$71,330
PBPK/PD Modeling Approach to Assess Carcinogenic Potential of Three Chlorobenzenes	Yang,Raymond K	Environmental Health Alternatives Research & Development Fdm	08/01/97- 07/31/98	97067101 \$39,820
Melatonin as a Biomarker of Oxidative Stress in Humans	Ramsdell,Howard S Reif,John S	Environmental Health HHS-NIH-NCI-National Cancer Institute	03/01/98- 02/28/99	97077901 \$72,458
Assessment of Molecular Epidemiology of Waterborne Cryptosporidium with Respect to Origin	Klein,Donald A Black,William C IV	Microbiology American Water Works Assoc. Research Fd.	01/01/97- 12/30/98	96078901 \$250,000
Longitudinal Studies of Rodent Reservoirs of Hantaviruses in the Southwestern United States	Beaty,Barry J Calisher,Charles H	Microbiology HHS-CDC-Centers for Disease Control	10/01/96- 09/30/97	96085801 \$135,971
Molecular Taxonomy of Lyme Disease Vector Species	Black,William C IV Hutcheson,Harry Joel	Microbiology HHS-NRSA-Nat. Research Service Award	01/01/97- 12/31/99	96085901 \$74,908
Rapid Identification of Molecular Reporters of Potential Virus Bioweapons	Beaty,Barry J	Microbiology DOD-ARPA-Advanced Research Proj. Agency	11/01/96- 10/31/99	96089001 \$859,037

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Pathogen Countermeasures	Beaty,Barry J	Microbiology DOD-ARPA-Advanced Research Proj. Agency	11/01/96- 10/31/01	96092701 \$1,723,650
Selection of Aedes aegypti Refractory to Dengue Virus	Black,William C IV	Microbiology HHS-PHS-Public Health Services	07/01/97- 06/30/00	96102401 \$204,061
Molecular Determinants of Dengue Epidemic Potential in North America	Beaty,Barry J	Microbiology HHS-PHS-Public Health Services	07/01/97- 06/30/00	96102501 \$1,061,812
Survival of Fusobacterium Species in Macrophages	Gentry-Weeks,Claudia	Microbiology HHS-PHS-Public Health Services	07/01/97- 07/01/02	96102601 \$507,285
Diagnosis of MAC (Mycobacterium Avium Disease) by Detection of Cell Wall Components	Chatterjee,Delphi McNeil,Michael R	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	06/01/97- 05/31/01	96118601 \$1,075,852
Rhipicephalus Turanicus: Species Complex & Vectorial Competence	Black,William C IV	Microbiology U.S.-Israel Binational Science Found.	09/01/97- 08/31/00	96120801 \$100,000
Conversion of Spent Brewing Grain & Corn Fiber to Fuel Ethanol & Enhanced Livestock Feed	Linden,James C Henk,Linda Lou	Microbiology USDA-CSRS-CGP-Competitive Grants Program	01/01/97- 12/31/00	96131201 \$557,364
Molecular Definition of M. avium Colony Morphotypes	Inamine,Julia M Belisle,John T	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	09/01/97- 08/31/02	96135201 \$1,246,375
Immunopathogenesis of Mycobacterium Avium Disease	Cooper,Andrea M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	07/01/97- 06/30/02	97002401 \$1,364,303
Workshop on Novel Trends in Environmental & Agricultural Biotechnology	Klein,Donald A Tengerdy,Robert	Microbiology NSF-SBE-Social, Behav & Econ Sciences	01/01/98- 12/31/98	97008201 \$19,000
Genetic Studies of Insect Vectors of Bluetongue Virus	Black,William C IV	Microbiology USDA-CSRS-CGP-Competitive Grants Program	09/01/97- 08/30/00	97009301 \$239,015
Cellulase Production in Solid Substrate Fermentation by Mixed Cultures	Linden,James C Tengerdy,Robert	Microbiology NSF - Engineering Grant	10/01/97- 09/30/00	97012101 \$232,743
Fatty Acid Biosynthesis in Pseudomonas Aeruginosa	Schweizer,Herbert P	Microbiology HHS-NIH-Nat Inst of General Medical Sci	12/01/97- 11/30/02	97016001 \$1,155,468
Genetics of Transovariole Transmission	Black,William C IV	Microbiology HHS-PHS-Public Health Services	10/01/97- 09/30/00	97022501 \$522,845
Mycobacterial Cell Wall Biogenesis & Drug Discovery	Brennan,Patrick Jose Besra,Gurdyal	Microbiology HHS-NIH-National Institute of Health	01/01/98- 12/31/02	97023801 \$1,460,882
Mosquito Reservoirs for Bunyavirus Transeasonality	Beaty,Barry J Blair,Carol D	Microbiology HHS-NIH-National Institute of Health	12/01/97- 11/30/02	97025001 \$1,131,804
EPICS XL-MCL Automated Cell Analysis System	Orme,Ian M	Microbiology HHS-NIH-Nat. Ctr. for Research Resources	04/01/98- 03/31/99	97030901 \$114,405
Targeted Drug Development for Mycobacterium Tuberculosis	McNeil,Michael R Stern,Richard J	Microbiology HHS-NIH-National Institute of Health	09/01/97- 08/31/00	97035201 \$24,700
Gravity-dependence of Pathogen Control Strategies for Crop Plants	Linden,James C	Microbiology EnviroGen, Inc.	01/01/98- 12/01/01	97036801 \$222,130
Synthesis of Mycobacterial Arabinofuranosyl Metabolites - Tuberculosis Medication Development	McNeil,Michael R	Microbiology HHS-NIH-National Institute of Health	09/01/97- 08/31/00	97040101 \$75,600

College: Veterinary Medicine & Biomedical Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Twining Program with Latvia - Bioprocessing of Agricultural & Forestry Crops	Tengerdy,Robert	Microbiology National Research Council	09/01/97- 12/31/99	97046701 \$15,000
Development & Clinical Trial Assessment of an Assay for the Detection of Bovine Tuberculosis (TB) in Deer	Orme,Ian M	Microbiology Pfizer Inc - Animal Health	07/01/97- 06/30/98	97050801 \$10,000
Analysis of M avium Wall Structures from AIDS Patients	Chatterjee,Delphi	Microbiology HHS-DRR-Fogarty International Center	09/01/97- 08/31/00	97051901 \$75,600
Genetic Variation among Dengue Viruses in Mexico	Blair,Carol D Olson,Kenneth E	Microbiology HHS-NIH-National Institute of Health	10/01/97- 09/30/98	97056801 \$139,903
Mosquito Transformation with Novel Retroviral Vectors	Higgs,Stephen	Microbiology University of California - San Diego	04/01/98- 03/31/01	97066801 \$212,046
Investigation into the Role of Vitamin E in Pathogenesis & Therapy of Chronic Hepatitis in Doberman Pinschers	Twedt,David C	Clinical Sciences Doberman Pinscher Foundation of America	10/01/96- 03/01/98	96084101 \$4,946
Electrophysiological Assessment of Caudal Cervical Nerve Root & Spinal Cord Function as a Predictor of Injury Sever...	Cuddon,Paul A	Clinical Sciences Doberman Pinscher Foundation of America	11/01/96- 11/01/97	96084201 \$5,000
Evaluation of Cisplatin in Combination with a Biologic Response Modifier in a Rodent Mammary Carcinoma Model	Dernell,William S	Clinical Sciences University of Colorado School of Pharma	08/01/96- 06/30/97	96087601 \$30,589
In Vivo Expression of Human Interleukin-1 Receptor Antagonist	McIlwraith,C Wayne Frisbie,David D	Clinical Sciences Burroughs-Wellcome Fund Foundation	07/01/97- 06/30/03	96101201 \$563,000
Use of Oral Cosequin to Prevent Articular Damage in the Middle Carpal Joint of Exercised Horses	Baxter,Gary M Trotter,Gayle W	Clinical Sciences Nutramax Laboratories, Inc.	07/01/96- 06/30/97	96104401 \$29,000
Determination & Risk Factors Associated with Canine Anesthesia	Gaynor,James S	Clinical Sciences American Kennel Club	01/01/97- 12/31/97	96114401 \$27,500
Articular Cartilage Autograft Transplantation	Turner,Anthony Simon	Clinical Sciences Sulzer Innotec, Winterthur, Switzerland	11/01/96- 07/31/96	96119401 \$21,259
Interactions of Type XI Collagen & Glycosaminoglycans	Oxford,Julia R T	Clinical Sciences HHS-PHS-Public Health Services	07/01/97- 06/30/02	96119501 \$504,396
Tibial Condylar Angles & Their Association with Cranial Cruciate Ligament Injuries in Dogs	Schwarz,Peter D Huber,Douglas James	Clinical Sciences Veterinary Orthopedic Society	05/01/97- 04/30/98	96127301 \$4,645
A Biomechanical Evaluation of the Fixator Pin-connecting Bar Junction of Kirschner-Ehmer & Acrylic External...	Egger,Erick L Huber,Douglas James	Clinical Sciences American College of Veterinary Surgeons	04/01/97- 03/31/98	96127401 \$8,460
Effect of Metoprolol on Cardiac Efficiency in a Canine Chronic Model of Congestive Heart Failure	Monnet,Eric Gaynor,James S	Clinical Sciences American Heart Association	07/01/97- 06/30/98	96127501 \$24,957
Evaluation of Intracavitary Slow Release Paclitaxel Chemotherapy in a Rodent Model for Mammary Carcinoma	Kuntz,Charles A Dernell,William S	Clinical Sciences Robert H. Winn Foundation	06/01/97- 05/31/98	96129901 \$14,670
Isolation & Characterization of Naturally Occurring Feline Ehrlichiosis	Lappin,Michael R	Clinical Sciences Robert H. Winn Foundation	03/01/97- 02/28/98	96130301 \$14,513
Transplacental & Lactational Transmission of Toxoplasma Gondii in Cats & Effect on Development...	Lappin,Michael R	Clinical Sciences Robert H. Winn Foundation	03/01/97- 02/28/98	96130401 \$15,000
Structural Determination of the Amino Terminal Domain of Type XI Collagen	Oxford,Julia R T	Clinical Sciences NSF-Biological Centers	07/01/97- 12/31/98	96133801 \$18,000

College: Veterinary Medicine & Biomedical Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
In Vivo Postvaccinal Reaction & Gas Chromatographic Evaluation of New Combined Feline Vaccines	Macy,Dennis W	Clinical Sciences Rhône Merieux, Inc.	01/01/97- 12/31/97	96134201 \$7,656
Effects of Fiber Fermentation on Azotemia in Dogs with Spontaneous Chronic Renal Failure	Grauer,Gregory F Greco,Deborah S	Clinical Sciences Iams Company	02/01/97- 01/31/99	97008801 \$20,407
Gene Transfer of IL-1 Receptor Antagonist - Therapy for Osteoarthritis	Frisbie,David D McIlwraith,C Wayne	Clinical Sciences HHS-NIH-Arthr., Musclesk. & Skin Disord.	10/01/97- 09/30/00	97013701 \$249,963
Efficacy of a Vector Based Canine Distemper Vaccine in the Domestic Ferret	Wimsatt,Jeffrey H	Clinical Sciences Rhône-Merieux	01/01/97- 01/01/98	97013901 \$53,022
Isolation & Characterization of Naturally Occurring Feline Ehrlichiosis	Lappin,Michael R	Clinical Sciences American Assoc. of Feline Practitioners	04/01/97- 03/31/98	97014601 \$5,000
Multiple Drug Resistance Conferred by P-Glycoprotein as Demonstrated by Differential Uptake of Technetium...	Withrow,Stephen J Kuntz,Charles A	Clinical Sciences Cancer League of Colorado, Inc.	07/01/97- 06/30/98	97023501 \$17,525
The Effect of Dental Prophylaxis on the Digestibility of Forage in the Horse	McCue,Patrick M	Clinical Sciences Grayson-Jockey Club Research Foundation	09/01/97- 08/30/98	97024101 \$29,024
Interleukin-1 Receptor Antagonist Expression using Gene Transfer to Prevent in vivo Osteoarthritis in Exercised...	McIlwraith,C Wayne Frisbie,David D	Clinical Sciences Grayson-Jockey Club Research Foundation	09/01/97- 08/31/98	97024201 \$66,262
Evaluation of Type X Collagen	Savage,Catherine J Kawcak,Christopher E	Clinical Sciences Morris Animal Foundation	07/01/97- 06/30/98	97034401 \$25,118
Clinical Evaluation of Palliative Radiation for Primary & Metastatic Neoplastic Bone Lesions...	Dernell,William S	Clinical Sciences Morris Animal Foundation	09/01/97- 08/31/99	97034501 \$36,137
Quantitative Analysis of the Electroencephalogram of Normal Dogs with Idiopathic Epilepsy	Smith,Mary O Anderson,Charles	Clinical Sciences Morris Animal Foundation	07/01/97- 06/30/98	97034601 \$2,980
Safety & Efficacy of a Vector-Based Canine Distemper Subunit Vaccine	Wimsatt,Jeffrey H	Clinical Sciences Morris Animal Foundation	07/01/97- 06/30/98	97034701 \$15,303
The Effects of Radiofrequency Energy on Normal Equine Articular Cartilage	McIlwraith,C Wayne	Clinical Sciences Steadman Hawkins Research Foundation	06/01/97- 05/31/98	97052401 \$14,440
Meniscus Repair using a Meniscal Screw: A Study in Sheep	Turner,Anthony Simon	Clinical Sciences MedicineLodge, Inc.	06/01/97- 12/31/97	97061401 \$35,676
Effect of a Biodegradable Polymer on Articular Cartilage Healing in Non-exercised Horses	McIlwraith,C Wayne Frisbie,David D	Clinical Sciences Atrix, Inc.	07/01/97- 06/30/98	97063901 \$21,650
Evaluation of the Influence of cTGF Combined with Demineralized Bone Matrix Powder on de novo bone...	Dernell,William S	Clinical Sciences Fibrinogen, Inc.	06/15/97- 06/30/98	97064601 \$27,006
Effect of Stimulation Frequency on Skeletal Muscle Neuromuscular Function during Dynamic Cardiomyoplasty...	Monnet,Eric	Clinical Sciences American Heart Association	01/01/98- 01/01/01	97066701 \$164,446
Partially Ligated Portosystemic Shunt: Is a Second Surgery Required to Completely Occlude the Shunt?	Monnet,Eric Seim,Howard B	Clinical Sciences AVMA-Amer. Veterinary Med. Assoc Found	11/01/97- 10/31/98	97073001 \$14,940
Treatment of Induced Osteoarthritis in Exercised Horse using Interleukin-1 Receptor Antagonist Delivered using Gene...	Oxford,Julia R T Frisbie,David D	Clinical Sciences Southern California Equine Foundation	02/01/98- 01/31/99	97073601 \$64,306
Determination of Contact Stresses in the Carpal & Femorotibial Joint of Horses, & Correl	McIlwraith,C Wayne Kawcak,Christopher E	Clinical Sciences Southern California Equine Foundation	09/01/97- 08/31/98	97074301 \$44,927

College: Veterinary Medicine & Biomedical Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Structural Determination of the Amino Terminal Domain of Type XI Collagen	Oxford,Julia R T	Clinical Sciences NSF-Biological Centers	01/01/98- 06/30/99	97076201 \$74,942
Synovial Fluid & Tissue Expression of Degradative Enzymes, Inflammatory Mediators & Cytokines in Naturally Occurring...	Trotter,Gayle W Trumble,Troy	Clinical Sciences Southern California Equine Foundation	09/01/97- 08/31/98	97077201 \$11,095

College: Other – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Techniques for Effective Alcohol Management (TEAM) Grant	Wormal,Wendy	Athletics National Safety Council - TEAM Grants	05/07/97- 08/01/98	97051701 \$10,017
Library Research Skills: Professional Development Workshops for K-12 Teachers	Lederer,Naomi J	Library CCHE-Commission on Higher Education	10/01/96- 06/30/97	96108501 \$19,980
Virtual Library Connections	Wessling,Julie E	Library CCHE-Commission on Higher Education	06/01/97- 05/31/99	97006201 \$291,475
RAMS Rooms: Rapid Access to Multimedia Services Classrooms	Maher,Thomas G	Instructional Services CCHE-Commission on Higher Education	10/01/96- 06/30/97	96082201 \$499,256
Cairo Air Improvement Project - On-campus Portion	Niehaus,Merle H Wolff,Birgit H	International Research & Development CID-Consortium for Inter. Development	07/01/96- 06/30/03	96104201 \$1,507,655
Cairo Air Improvement Project - Off-campus Portion	Niehaus,Merle H Wolff,Birgit H	International Research & Development CID-Consortium for Inter. Development	07/01/96- 06/30/03	96108702 \$669,297
Turkey East Anatolia Watershed Training (EAWT) Group 21 - Israel	Niehaus,Merle H	International Research & Development CID-Consortium for Inter. Development	10/01/96- 12/31/96	96117201 \$6,467
Sustainable Development - Information Challenge	Ward,Robert C	Colorado Water Resources Res Inst EPA-Water Pollution Control/R&D	10/01/96- 09/30/97	96086201 \$64,444
Adaptive Management of Hydrologic Regimes to Benefit Native Stream Fish: Integrating Hydrology & Eco...	Ward,Robert C Fausch,Kurt D	Colorado Water Resources Res Inst DOI-OWRT-Office of Water Resource & Te	09/01/97- 08/31/00	97033501 \$340,014
South Platte Forum Project	Ward,Robert C	Colorado Water Resources Res Inst Environmental Protection Agency	10/01/97- 09/30/98	97046801 \$50,000
Nutrition Education for Colorado Springs Limited Income	Bray,Colleen R	Cooperative Extension City of Colorado Springs	01/01/97- 12/31/97	96085701 \$18,738
Nutrition Education for Colorado Elderly	Bray,Colleen R	Cooperative Extension CompreCare Foundation	10/01/96- 09/30/97	96088801 \$10,000
Colorado Youth Council (Year 2)	Millich,Krystie Rose Martin,Dorothy	Cooperative Extension Colorado Department of Education	07/01/96- 06/30/97	96089101 \$10,000
Colorado STAND Newsletter - Youth Based / Directed Alcohol & Other Drug Prevention Program	Luevane,Carmen	Cooperative Extension City of Fort Collins / Team Fort Collins	09/01/96- 06/30/97	96093201 \$2,000
Best Management Practices for using Swine Effluent in the Central Great Plains	Al-Kaisi,Mahdi M	Cooperative Extension USDA-CSRS-SARE-Sust Agri Res & Educ Prog	04/01/97- 12/30/99	96118401 \$198,847
Enhancement of Holistic Resource Management via Application of GIS to Improve Decision Making Systems	Cotton,Scott E Moore,Janet	Cooperative Extension USDA-CSRS-SARE-Sust Agri Res & Educ Prog	10/01/97- 09/30/99	96120901 \$87,050
Water Quality - Nonpoint Source Pollution Forum	Antonio,Richard W	Cooperative Extension State of Colorado	01/02/97- 12/30/97	96122401 \$20,950
Electronic Communications Bootcamps for Agricultural Professionals	Cotton,Scott E Tranel,Jeffrey E	Cooperative Extension USDA-CSRS-SARE-Sust Agri Res & Educ Prog	10/01/97- 10/01/99	96131501 \$58,358
1996-1997 Technology Grant - Computer-based Voice/Fax Information Retrieval System	Rewerts,Milan A	Cooperative Extension CCHE-Commission on Higher Education	07/01/97- 06/30/99	97006401 \$239,200
Cooperative Extension's Technology Grant - Statewide Computer Network System	Knox,Kirvin L	Cooperative Extension CCHE-Commission on Higher Education	07/01/97- 06/30/99	97006801 \$2,551,907

College: Other – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Salinity Control Program	Bartholomay,Richard Champion,Daniel F	Cooperative Extension DOI-Bureau of Reclamation	10/01/97- 09/30/00	97017801 \$494,975
Colorado STAND - Training of Trainers for Teen Baseline Facilitators	Luevane,Carmen Mendo	Cooperative Extension City of Fort Collins / Team Fort Collins	06/01/97- 09/30/97	97027801 \$1,500
Youth Curriculum Development - Conflict Management & Process Skills	Carroll,Jan B	Cooperative Extension National 4-H Council	05/01/97- 02/28/98	97039401 \$16,414
Southwest U.S. Regions Add Value through Agriculture, Business, Community & Technology Teamwork	Knop,Sheila A	Cooperative Extension Utah State University	01/01/98- 12/31/00	97049101 \$50,000
Colorado River Salinity Control Project	Bartholomay,Richard	Cooperative Extension US Department of Agriculture	01/10/97- 09/30/98	97049201 \$422,730
Colorado River Salinity Control Project - Utah State Collaboration	Champion,Daniel F	Cooperative Extension US Department of Agriculture	01/10/97- 09/30/98	97049301 \$472,130
Fostering School Success through Family & Teacher Support	Miller-Heyl,Janet L	Cooperative Extension US Department of Education	10/01/97- 09/30/00	97063501 \$632,491
Colorado STAND/YCPI (Youth Crime Prevention & Intervention)	Luevane,Carmen Mendo	Cooperative Extension Colorado Department of Local Affairs	10/01/97- 09/30/98	97077701 \$105,630
Exterior Rehabilitation of Veterinary Science Annex	Keiss,Stephen C	Facilities Management Colo. Dept Higher Educ-Historical Society	06/01/97- 06/01/98	96123901 \$167,000
Restoration of Ramsey-Koenig Ranch Structures	Bertschy,William J	Facilities Management Colo. Dept Higher Educ-Historical Society	02/01/98- 01/31/99	97056901 \$66,880
Rehabilitation of Veterinary Science Annex Building	Keiss,Stephen C	Facilities Management Colo. Dept Higher Educ-Historical Society	02/01/98- 03/31/99	97057001 \$167,000
Sexual Assault Prevention through Peer Education: A Secondary & Post Secondary Model	Carrothers,Ruth	Women's Program Colo. Coalition Against Sexual Assault	01/01/97- 06/30/98	97002701 \$83,528
Sexual Assault Prevention through Peer Education: A Secondary & Post Secondary Model	Carrothers,Ruth A	Women's Program Div. of Criminal Justice/CO Dept Pub Safety	09/01/97- 03/31/98	97058101 \$11,270
Choices, Colorado State - Perceptions of Alcohol Use on Campus as a Method of Reducing Alcohol Use...	Conway,S Maureen Schwartz,Corene M	Alcohol Education National Collegiate Athletic Association	05/02/97- 10/31/98	97016901 \$8,639
Collegiate Academic & Financial Planning System	Jacks,G Kay	Enrollment Services CCHE-Commission on Higher Education	03/01/97- 08/31/99	97006601 \$276,000
Internet-based Admissions, Financial Aid & Registration Processing	Jacks,G Kay	Enrollment Services CCHE-Commission on Higher Education	03/01/97- 08/31/99	97007501 \$288,200
Undergraduate Retention Model - Development of an Integrated, Distributed, Computerized Undergraduate...	Jacks,G Kay Presley,Cheryl L	Enrollment Services CCHE-Commission on Higher Education	03/01/97- 01/31/99	97007601 \$356,500
Student Support Services	Aragon,Geraldine J	Academic Advancement Center DE-Student Support Services	09/01/97- 08/31/02	96119301 \$1,501,926

Section III

Awards Received for Current Fiscal Year

College: Agricultural Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Faculty Exchange Program	Spencer,William P	International Agricultural Program USDA-Foreign Agricultural Service	04/20/97- 06/30/97	2099 \$17,270
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/97	6751 \$900
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/97	6751 \$1,500
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/97	6751 \$2,750
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/97	6751 \$500
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/97	6751 \$1,500
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/97	6751 \$500
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/97	6751 \$2,500
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/97	6751 \$500
Potato Breeding & Cultivar Development in the Southwest United States	Thompson-Johns, Asunt Holm, David G	San Luis Valley Research Center USDA-CSRS-Coop. States Research Service	06/01/97- 05/31/98	1357 \$70,000
Potato Breeding Program	Holm, David G	San Luis Valley Research Center University of California at Davis	01/01/93- 12/31/97	5063 \$2,000
Potato Breeding Program	Holm, David G	San Luis Valley Research Center University of California at Davis	01/01/93- 12/31/97	5063 \$2,000
Scientific Services - Jill D. Wick	Holm, David G	San Luis Valley Research Center San Luis Valley Research Ctr. Committee	08/01/94- 06/30/97	6363 \$31,806
Potato Variety Testing	Holm, David G Alldredge, Jerry K	San Luis Valley Research Center Potato Administration of Colorado	07/01/95- 06/30/97	6368 \$1,850
Processing Characteristics	Maga, Joseph A	San Luis Valley Research Center Potato Administration of Colorado	07/01/96- 06/30/97	6373 \$5,400
Potato Variety Development	Holm, David G Davidson, Robert D	San Luis Valley Research Center Potato Administration of Colorado	07/01/95- 06/30/97	6378 \$42,200
Nitrogen Management under Conservation Tillage in a Furrow-irrigated Cropping System of Corn & Wheat	Pearson, Calvin H	Western Slope - Fruita Centro Intern. De Agricultura Tropical	10/09/94- 07/01/97	2203 \$10,000
Agronomic Research in Western Colorado	Pearson, Calvin H	Western Slope - Fruita Various "Non-Profit" Sponsors	07/01/91- 06/30/97	6667 \$1,750
Agronomic Research in Western Colorado	Pearson, Calvin H	Western Slope - Fruita Various "Non-Profit" Sponsors	07/01/91- 06/30/97	6667 \$1,000
Agronomic Research in Western Colorado	Pearson, Calvin H	Western Slope - Fruita Various "Non-Profit" Sponsors	07/01/91- 06/30/97	6667 \$1,750

College: Agricultural Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Agronomic Research in Western Colorado	Pearson,Calvin H	Western Slope - Fruita Various "Non-Profit" Sponsors	07/01/91- 12/31/98	6667 \$900
Viticulture & Enology Research for the Colorado Wine Industry	Hamman,Richard Allan	Orchard Mesa Research Center Colorado Department of Agriculture	07/01/96- 06/30/97	0961 \$123,800
Trapping Program for European Corn Borer Ostrinia Nubilalis (HBN.) in Western Colorado Sweet Corn Fields	Zimmerman,Rick J	Rogers Mesa Research Center Colo. West Sweet Corn & Broccoli Adm. Cmtt	05/15/95- 09/15/97	5106 \$4,130
Trapping Program for European Corn Borer Ostrinia Nubilalis (HBN.) in Western Colorado Sweet Corn Fields	Zimmerman,Rick J	Rogers Mesa Research Center Colo. West Sweet Corn & Broccoli Adm. Cmtt	05/15/95- 09/15/97	5106 \$700
Southwest Colorado Research Center Outreach	Berrada,Abdelfettah	South Western Colorado Ag. Res. Ctr. Various "Non-Profit" Sponsors	01/18/96- 01/18/98	5060 \$500
Southwest Colorado Research Center Outreach	Berrada,Abdelfettah	South Western Colorado Ag. Res. Ctr. Various "Non-Profit" Sponsors	01/18/96- 01/18/98	5060 \$3,000
South Western Colorado Crop Research	Sommers,Lee E Berrada,Abdelfettah	South Western Colorado Ag. Res. Ctr. Colorado Dry Bean Advisory Board	11/01/92- 12/31/97	5253 \$3,500
South Western Colorado Crop Research	Sommers,Lee E Berrada,Abdelfettah	South Western Colorado Ag. Res. Ctr. Colorado Dry Bean Advisory Board	11/01/92- 12/31/97	5253 \$1,103
South Western Colorado Crop Research	Sommers,Lee E Berrada,Abdelfettah	South Western Colorado Ag. Res. Ctr. Colorado Dry Bean Advisory Board	11/01/92- 12/31/97	5253 \$1,000
Evaluation of the Acid-buffering Capacity & Metal Mobility of Southwest San Luis Valley...	Cardon,Grant E Kelly,Eugene F	Soil & Crop Sciences Colorado Dept Public Health & Environ	10/01/95- 12/31/97	0890 \$16,766
Training & Education for Agricultural Chemicals & Groundwater	Waskom,Reagan M	Soil & Crop Sciences Colorado Department of Agriculture	07/01/96- 06/30/97	0934 \$125,600
Development & Management of Canola in the Great Plains Region	Johnson,Duane L	Soil & Crop Sciences Kansas State University	05/01/94- 04/30/98	1306 \$15,280
Legume Cover Crops in Fallow as an Integrated Crop/Livestock Alternative in the North & Central Great Plains	Peterson,Gary A Westfall,Dwayne G	Soil & Crop Sciences University of Wyoming	07/01/94- 12/31/97	1310 \$19,460
DNA Markers for Marker-Assisted Breeding of Fusarium Head Blight Resistant Six-rowed Barley Cultivar	Lapitan,Nora	Soil & Crop Sciences Oregon State University	09/18/96- 07/31/97	1314 \$32,823
DNA Markers for Marker-assisted Breeding of Fusarium Head Blight Resistant Six-rowed Barley Cultivar	Lapitan,Nora	Soil & Crop Sciences Oregon State University	09/18/96- 07/31/98	1314 \$11,000
Gene Organization in Barley	Lapitan,Nora Knudson,Dennis L	Soil & Crop Sciences USDA-CSRS-CGP-Competitive Grants Program	10/15/96- 10/31/99	1355 \$233,831
Reducing Environmental Contamination from Feedlot Manure in the South Platte River Basin	Davis,Jessica G Alldredge,Jerry K	Soil & Crop Sciences Utah State University	07/01/96- 12/31/97	1356 \$89,162
Partitioning of Ecosystem Respiration & Vectors of Water Loss: An Analysis using S13C...	Kelly,Eugene F Sulzman,Elizabeth W	Soil & Crop Sciences National Aeronautics & Space Admin.	09/01/96- 08/31/97	1930 \$22,000
Biological Testing & Evaluation of Plant Germplasm - The Viability of Seed Samples	Waibel,Gilbert P	Soil & Crop Sciences USDA-ARS-NPA-National Seed Storage Lab	03/03/95- 11/30/99	2022 \$30,000
Field Studies & Modeling of Cropping Systems & their Impact on Water Quality in Eastern Colorado	Peterson,Gary A Butters,Gregory	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	06/01/94- 05/31/99	2055 \$60,000

College: Agricultural Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Field Studies & Modeling of Cropping Systems & their Impact on Water Quality in Eastern Colorado	Peterson,Gary A Butters,Gregory	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	06/01/94- 05/31/99	2055 \$110,000
Soil Survey & Soil Survey Certificate	Kelly,Eugene F Cipra,Jan E	Soil & Crop Sciences USDA-SCS-Soil Conservation Service	04/30/96- 12/31/96	2073 \$900
Precision Farming to Protect Water Quality & Conserve Resources	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	09/01/96- 08/31/01	2079 \$90,000
Precision Farming to Protect Water Quality & Conserve Resources	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	09/01/96- 08/31/01	2079 \$90,000
Breeding for Early-maturing Drought Resistant Wheat with Enhanced Stability	Quick,James S	Soil & Crop Sciences DOS-AID-Agency for Inter. Development	05/15/97- 05/14/01	2105 \$47,073
Soil Survey & Soil Survey Certificate	Kelly,Eugene F Cipra,Jan E	Soil & Crop Sciences USDA-NRCS-Natural Resources Consvtn Srv	10/01/96- 09/30/97	2114 \$83,200
Bean Breeding Program	Brick,Mark A	Soil & Crop Sciences Colorado Dry Bean Advisory Board	11/01/92- 12/31/97	5254 \$4,500
Bean Breeding Program	Brick,Mark A	Soil & Crop Sciences Colorado Dry Bean Advisory Board	11/01/92- 12/31/97	5254 \$4,000
Validating Alternative Manure Management Systems	Waskom,Reagan M Dalsted,Norman L	Soil & Crop Sciences American Farm Bureau Research Foundation	02/01/95- 02/02/97	5410 \$500
Bean Testing Project	Shanahan,John	Soil & Crop Sciences Colorado Dry Bean Advisory Board	06/01/92- 12/31/97	5648 \$3,750
Bean Testing Project	Shanahan,John Johnson,Jerry J	Soil & Crop Sciences Colorado Dry Bean Advisory Board	06/01/92- 12/31/97	5648 \$3,750
Application of Sewage Sludge to Dryland Wheat	Barbarick,Kenneth A	Soil & Crop Sciences City of Littleton	01/01/97- 12/31/97	5677 \$62,410
Application of Sewage Sludge to Dryland Wheat	Barbarick,Kenneth A	Soil & Crop Sciences City of Littleton	01/01/97- 12/31/97	5677 \$3,230
Development of Improved Quality & HIG Yield in Wheat Germplasm in Colorado	Johnson,Jerry J	Soil & Crop Sciences Colorado Wheat Administrative Commission	07/01/96- 06/30/97	6029 \$5,000
Development of Improved Quality & HIG Yield in Wheat Germplasm in Colorado	Quick,James S Shanahan,John	Soil & Crop Sciences Colorado Wheat Administrative Commission	07/01/95- 06/30/97	6111 \$55,000
Evaluation of Milling & Baking Performance of Colorado Wheat's	Quick,James S Lorenz,Klaus J	Soil & Crop Sciences Colorado Wheat Administrative Commission	07/01/96- 06/30/97	6115 \$6,000
Soil Fertility Studies	Westfall,Dwayne G	Soil & Crop Sciences Various "For Profit" Sponsors	04/01/91- 06/30/98	6642 \$5,450
Soil Fertility Studies	Westfall,Dwayne G	Soil & Crop Sciences Various "For Profit" Sponsors	04/01/91- 06/30/98	6642 \$1,000
Soil Fertility Studies	Westfall,Dwayne G	Soil & Crop Sciences Various "For Profit" Sponsors	04/01/91- 06/30/98	6642 \$5,450
Soil Fertility Studies	Westfall,Dwayne G	Soil & Crop Sciences Various "For Profit" Sponsors	04/01/91- 06/30/98	6642 \$1,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Soil Fertility Studies	Westfall,Dwayne G	Soil & Crop Sciences Various "For Profit" Sponsors	04/01/91- 06/30/98	6642 \$3,500
Soil Fertility Studies	Westfall,Dwayne G	Soil & Crop Sciences Various "For Profit" Sponsors	04/01/91- 06/30/98	6642 \$6,000
Soil Fertility Studies	Westfall,Dwayne G	Soil & Crop Sciences Various "For Profit" Sponsors	04/01/91- 06/30/98	6642 \$3,000
Soil Fertility Studies	Westfall,Dwayne G	Soil & Crop Sciences Various "For Profit" Sponsors	04/01/91- 06/30/98	6642 \$7,950
Determination of Rhizobial Abundance on Alfalfa Seed	Doxtader,Kenneth G	Soil & Crop Sciences Various "For Profit" Sponsors	06/01/92- 06/30/97	6746 \$920
Determination of Rhizobial Abundance on Alfalfa Seed	Doxtader,Kenneth G	Soil & Crop Sciences Various "For Profit" Sponsors	06/01/92- 06/30/97	6746 \$205
New Crops Research	Johnson,Duane L	Soil & Crop Sciences Various "For Profit" Sponsors	01/01/94- 12/31/97	6878 \$3,000
Seed Viability & Storage Research	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/95- 09/30/96	8012 \$15,250
Sugarbeet Production Research	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8022 \$5,793
Sugarbeet Production Research	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8022 \$30,275
Seed Viability & Storage Research	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8023 \$87,541
Water Management Research	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8027 \$18,700
Water Management Research	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8027 \$5,022
Central Plains Resources Management Research	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8028 \$14,654
Central Plains Resources Management Research	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8028 \$26,193
Great Plains Systems Research Unit	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8029 \$33,644
Excellence in Teaching Program	Irlbeck,Nancy A	Animal Sciences University of Wyoming	12/01/96- 12/31/98	2201 \$2,000
Incidence, Severity, Amount of Tissue Affected & Effect on Histology, Chemistry & Ten...	Smith,Gary C Tatum,Joseph D	Animal Sciences Nat'l Cattlemen's Beef Association	11/01/95- 12/31/96	5055 \$8,960
Collection of Microbiological Samples from Dairy Cows	Sofos,John N Smith,Gary C	Animal Sciences Nat'l Cattlemen's Beef Association	07/01/96- 12/31/97	5132 \$18,038
Colorado Sheep & Wool Board	Levalley,Stephen B	Animal Sciences Colorado Wool Growers	07/01/96- 12/31/97	5134 \$4,000

College: Agricultural Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
International Phase of the Domestic & International Shelf-life Strategic Alliance	Belk,Keith Tatum,Joseph D	Animal Sciences U.S. Meat Export Federation	02/01/96- 06/30/97	5135 \$25,385
Development of a Microbial Profile & Identification of Microbial Intervention Methodologies	Sofos,John N Schmidt,Glenn R	Animal Sciences U.S. Meat Export Federation	03/10/97- 09/30/97	5156 \$229,810
An Evaluation of the Dual Component Video Image Analysis System as a Predictor...	Tatum,Joseph D Belk,Keith	Animal Sciences Nat'l Cattlemen's Beef Association	04/01/97- 08/01/98	5160 \$49,660
Microbiological Sampling of Hog Carcasses (Food Safety & Pathogen Reduction)	Sofos,John N Belk,Keith	Animal Sciences National Pork Producers Council	04/01/97- 04/01/98	5163 \$74,808
Choice Testing to Determine the Aversiveness of Husbandry Procedures	Grandin,Temple Ames,David R	Animal Sciences Regina B Frankenberg Foundation	01/01/95- 06/30/98	5400 \$20,000
Development of a Genetic Prediction System for Red Meat Yield using Visual Muscle Scoring...	Green,Ronnie D	Animal Sciences North American Limousin Foundation	12/01/96- 06/30/97	5429 \$1,200
Development of Browse Data Base - Establishing a National Database	Irlbeck,Nancy A	Animal Sciences Denver Zoological Foundation	02/19/97- 02/19/99	5440 \$500
Effect of Avail - Trace Mineral Amino Acid Complex on Incoming Cattle & Immune Function	Stanton,Tim L	Animal Sciences Zinpro Corporation	11/01/96- 12/31/98	6222 \$21,165
Effect of Trace Mineral Supplementation on Cow-Calf Performance & Calf Immune Function	Stanton,Tim L Whittier,Jack C	Animal Sciences Zinpro Corporation	02/01/97- 06/30/99	6241 \$9,000
Beef Quality/Safety Assurance Audits	Smith,Gary C Tatum,Joseph D	Animal Sciences Nat'l Cattlemen's Beef Association	03/01/97- 06/30/98	6669 \$41,700
Beef Quality/Safety Assurance Audits	Smith,Gary C Tatum,Joseph D	Animal Sciences Nat'l Cattlemen's Beef Association	03/01/97- 06/30/98	6669 \$1,325
Measuring the Value of Threatened & Endangered Species	Loomis,John B	Agricultural & Resource Economics DOI-Bureau of Reclamation	04/04/96- 04/30/98	1714 \$6,500
A Study of Sustainability as Applied to Soil Conservation	Hoag,Dana L	Agricultural & Resource Economics USDA-NRCS-Natural Resources Consvtn Srv	08/09/96- 03/31/97	2040 \$4,075
Coping with Prolonged & Severe Drought in the Rio Grande River Basin	Frasier,Marshall Young,Robert A	Agricultural & Resource Economics New Mexico State University	09/01/96- 08/31/98	2901 \$28,852
Economic & Ecological Sustainability on the Colorado Plateau	Spencer,William P McKean,John R	Agricultural & Resource Economics DOI-National Biological Survey	08/01/95- 12/30/97	4167 \$15,000
Services of Kyu-Hee (Dameon) Lee - Interpreting for the National Agricultural Coop. Fed.	Gray,Sanford L	Agricultural & Resource Economics The Economics Institute	05/20/96- 12/31/97	5090 \$245
Services of Kyu-Hee (Dameon) Lee - Interpreting for the National Agricultural Coop. Fed.	Gray,Sanford L	Agricultural & Resource Economics The Economics Institute	05/20/96- 12/31/97	5090 \$3,778
Economic Analysis of the Colorado Green Industry	Gray,Sanford L McKean,John R	Agricultural & Resource Economics GreenCO Foundation	04/01/97- 10/31/97	5436 \$13,724
Service of Jerry Eckert - University of Stellenbosch	Gray,Sanford L	Agricultural & Resource Economics University of Stellenbosch	02/01/93- 12/31/97	5681 \$20,528
Measuring Societal Perceptions, Attitude & Economic Benefits of Ecological Integrity	Loomis,John B Covich,Alan P	Agricultural & Resource Economics Environmental Protection Agency	07/20/96- 07/19/98	5805 \$114,998

College: Agricultural Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Great Plains Framework for Agricultural Resource Management (GPFARM) Economic Modeling	Hoag,Dana L	Agricultural & Resource Economics USDA-ARS-Agricultural Research Service	05/01/97- 09/30/97	8015 \$20,086
Electroconductivity Test to Evaluate Seed Quality	Moore, Frank D III Roos, Eric E (ADODR)	Horticulture & Landscape Arch USDA-ARS-NPA-National Seed Storage Lab	09/09/94- 07/25/99	2000 \$9,000
Weed Control with Herbaceous Plants	Klett, James E	Horticulture & Landscape Arch University of California	02/25/91- 03/31/98	2200 \$5,000
Fungicide Development for Use on Greenhouse & Ornamental Crops	Newman, Steven E Stushnoff, Cecil	Horticulture & Landscape Arch Rutgers - State University of New Jersey	05/01/96- 04/30/98	2208 \$22,421
Use of Zeoponic Mixtures for Sand-based Turfgrass Culture	Koski, Anthony J	Horticulture & Landscape Arch Boulder Innovative Technologies, Inc.	05/28/96- 02/01/97	2713 \$10,536
Greenhouse Renovation for Transgenic Plant Research	Stushnoff, Cecil Herbers, Joan M	Horticulture & Landscape Arch NSF-Sci/Tech Ctr/STI Sci/Tech Infra Ctr	12/01/96- 02/28/98	3130 \$120,000
Spectroscopy to Identify Potato Cultivar	Stushnoff, Cecil	Horticulture & Landscape Arch Potato Administration of Colorado	07/01/95- 06/30/97	6384 \$5,000
Flower Trial Garden Holley Plant Environmental Research Center (PERC)	Klett, James E	Horticulture & Landscape Arch Various "Non-Profit" Sponsors	02/01/93- 12/31/96	6636 \$550
Flower Trial Garden Holley Plant Environmental Research Center (PERC)	Klett, James E	Horticulture & Landscape Arch Various "Non-Profit" Sponsors	02/01/93- 12/31/96	6636 \$600
Flower Trial Garden Holley Plant Environmental Research Center (PERC)	Klett, James E	Horticulture & Landscape Arch Various "Non-Profit" Sponsors	02/01/93- 12/31/97	6636 \$6,750
Flower Trial Garden Holley Plant Environmental Research Center (PERC)	Klett, James E	Horticulture & Landscape Arch Various "Non-Profit" Sponsors	02/01/93- 12/31/97	6636 \$2,000
Flower Trial Garden Holley Plant Environmental Research Center (PERC)	Klett, James E	Horticulture & Landscape Arch Various "Non-Profit" Sponsors	02/01/93- 12/31/97	6636 \$6,625
Flower Trial Garden Holley Plant Environmental Research Center (PERC)	Klett, James E	Horticulture & Landscape Arch Various "Non-Profit" Sponsors	02/01/93- 12/31/97	6636 \$1,475
Floriculture Research	Wallner, Stephen J	Horticulture & Landscape Arch Various "Non-Profit" Sponsors	07/01/93- 12/31/97	6843 \$7,000
Turfgrass Production	Koski, Anthony J	Horticulture & Landscape Arch Jacklin Seed Company	07/01/93- 06/30/97	6853 \$6,257
Plant Germplasm Research - Roos	Wallner, Stephen J	Horticulture & Landscape Arch USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8024 \$11,242
Plant Germplasm Research - Roos	Wallner, Stephen J	Horticulture & Landscape Arch USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8024 \$24,455
Development of a Bioeconomic Model for Integrating Jointed Goatgrass Management in Winter Wheat Production	Westra, Philip	Plant Pathology & Weed Science Washington State University	04/01/95- 03/31/99	1300 \$38,250
Invasion of Rangeland by Aggressive Perennial Weeds: Ecology & Management	Beck, K George Coffin, Debra P	Plant Pathology & Weed Science USDA-CSRS-CGP-Competitive Grants Program	09/01/96- 08/31/99	1404 \$125,768
Colorado Pesticide Impact Assessment Program	McDonald, Sandra K	Plant Pathology & Weed Science USDA-ES-CES-Cooperative Extension Srv	01/01/97- 12/31/97	1423 \$13,993

College: Agricultural Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Western Regional Integrated Pest Management Special Projects Program	McIntyre,Gary A	Plant Pathology & Weed Science USDA-CSRS-Coop. States Research Service	09/01/95- 08/31/98	1486 \$50,000
Integrated Leafy Spurge Management: Combining Biological Control Tools to Reduce...	Beck,K George	Plant Pathology & Weed Science DOI-BLM-Bureau of Land Management	06/02/97- 12/31/97	1878 \$14,500
Field Evaluation of Barley Germplasm for Reaction to Barley Stripe Rust	Brown,William M Jr	Plant Pathology & Weed Science USDA-ARS-Agricultural Research Service	06/01/96- 05/31/01	2067 \$25,000
Field Evaluation of Barley Germplasm for Reaction to Barley Stripe Rust	Brown,William M Jr	Plant Pathology & Weed Science USDA-ARS-Agricultural Research Service	06/01/96- 05/31/01	2067 \$15,000
Cooperative Agricultural Pest Survey	Brown,William M Bjostad,Louis B	Plant Pathology & Weed Science USDA-APHIS-Ag & Plant Health Insp Srvc	05/30/96- 09/30/96	2076 \$20,000
Atrazine Analysis of Ardec Soil	Westra,Philip Peterson,Gary	Plant Pathology & Weed Science USDA-ARS-Agricultural Research Service	06/01/94- 05/31/99	2080 \$15,000
Cooperative Agricultural Pest Survey	Brown,William M Bjostad,Louis B	Plant Pathology & Weed Science USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2144 \$4,400
Cooperative Agricultural Pest Survey	Brown,William M Bjostad,Louis B	Plant Pathology & Weed Science USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2147 \$37,600
The Influence of Cattle Grazing on the Population Dynamics of Diffuse Knapweed	Beck,K George Rittenhouse,Larry R	Plant Pathology & Weed Science Boulder County Parks & Open Spaces	04/01/96- 03/31/98	5084 \$15,803
Transformation & Regeneration of Pelargonium hortorum sp with AntiACC Synthase Gene(s)	Ranu,Rajinder S	Plant Pathology & Weed Science Tagawa Greenhouses, Inc.	09/01/96- 06/30/01	6210 \$60,000
Northeast Potato Late Blight Survey	Schwartz,Howard F Hill,Joseph P	Plant Pathology & Weed Science Potato Administration of Colorado	07/01/96- 06/30/97	6371 \$10,000
Ring Rot Bacterium	Ishimaru,Carol A	Plant Pathology & Weed Science Potato Administration of Colorado	07/01/95- 06/30/97	6375 \$25,000
Biological Control of Bacterial Diseases in Potatoes	Ishimaru,Carol A	Plant Pathology & Weed Science Potato Administration of Colorado	07/01/95- 06/30/97	6380 \$5,000
Potato Disease Research - Early Blight & Tuber Rot	Hill,Joseph P	Plant Pathology & Weed Science Potato Administration of Colorado	07/01/96- 06/30/97	6382 \$6,000
Potential Losses of EPTAM during Sprinkler Application & the Influence of Soil Moisture at the Time of Application...	Nissen,Scott	Plant Pathology & Weed Science Potato Administration of Colorado	07/01/95- 06/30/97	6386 \$9,100
Exploratory Uses of Frontier: Potential New Herbicide for Potatoes	Nissen,Scott	Plant Pathology & Weed Science Potato Administration of Colorado	07/01/96- 06/30/97	6387 \$5,000
Winter Annual Grass Weed Research in Wheat	Westra,Philip	Plant Pathology & Weed Science Colorado Wheat Administrative Commission	07/01/96- 06/30/97	6597 \$10,000
Dry Bean & Onion Disease Management	Schwartz,Howard F	Plant Pathology & Weed Science Various "Non-Profit" Sponsors	05/01/90- 12/31/96	6628 \$675
Vegetable Disease Management-Environmental Monitoring	Schwartz,Howard F	Plant Pathology & Weed Science Various "Non-Profit" Sponsors	05/01/90- 12/31/97	6628 \$1,250
Vegetable Disease Management- Environmental Monitoring	Schwartz,Howard F	Plant Pathology & Weed Science Various "Non-Profit" Sponsors	05/01/90- 12/31/97	6628 \$726

College: Agricultural Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Vegetable Disease Management- Environmental Monitoring	Schwartz,Howard F	Plant Pathology & Weed Science Various "Non-Profit" Sponsors	05/01/90- 12/31/97	6628 \$6,750
Vegetable Disease Management- Environmental Monitoring	Schwartz,Howard F	Plant Pathology & Weed Science Various "Non-Profit" Sponsors	05/01/90- 12/31/97	6628 \$1,250
Genetic Manipulation of Flower Plants	Ranu,Rajinder S	Plant Pathology & Weed Science Tagawa Greenhouses, Inc.	02/10/93- 06/30/97	6804 \$72,000
Water Management Research	Westra,Philip	Plant Pathology & Weed Science USDA-ARS-Agricultural Research Service	10/01/96- 02/28/97	8026 \$11,613
Geographical Information Systems (GIS)-based Landscape-scale Root Disease Hazard Rating System	Jacobi,William R	Plant Pathology & Weed Science USDA-USFS-Forest Research	05/18/95- 09/30/97	8828 \$13,200
An Analysis of Noxious Weed Distributions on Rangelands	Beck,K George	Plant Pathology & Weed Science USDA-USFS-Rocky Mtn. Experiment Station	03/11/97- 04/30/98	8843 \$2,000
An Analysis of Noxious Weed Distributions on Rangelands	Beck,K George	Plant Pathology & Weed Science USDA-USFS-Rocky Mtn. Experiment Station	03/11/97- 04/30/98	8843 \$13,000
Halligan Macroinvertebrate Study	Kondratieff,Boris C	Bioagricultural Sci/Pest Management Colorado Division of Wildlife	03/12/97- 06/30/97	0026 \$3,500
A National Integrated Pest Management	Holtzer,Thomas O MacRae,Ian V	Entomology Virginia Polytechnic Institute	10/01/95- 09/30/96	1313 \$12,500
A National Integrated Pest Management	Holtzer,Thomas O MacRae,Ian V	Entomology Virginia Polytechnic Institute	10/01/95- 04/30/97	1313 \$13,000
Effectiveness of Beauveria bassiana as a Microbial Control Agent for Coleopteran	MacRae,Ian V Rieske,Lynne K	Bioagricultural Sci/Pest Management Utah State University	07/01/95- 12/31/97	1318 \$36,091
Cost Effective, Environmentally Sound Management of Russian Wheat Aphid	Holtzer,Thomas O	Entomology USDA-CSRS-Coop. States Research Service	08/01/94- 07/31/97	1412 \$85,518
Ecology of the Desert Cicada, a Common Insect in the Riparian Forest	Kondratieff,Boris C Ellingson,Aaron R	Bioagricultural Sci/Pest Management DOI-USGS-Geological Survey	01/27/97- 05/30/98	1860 \$33,202
Structured Release of Russian Wheat Aphid's Natural Enemies	Holtzer,Thomas O	Entomology USDA-APHIS-Ag & Plant Health Insp Srvc	12/01/95- 11/30/96	2034 \$15,000
Cooperative Agricultural Pest Survey	Bjostad,Louis B	Entomology USDA-APHIS-Ag & Plant Health Insp Srvc	05/30/96- 09/30/96	2077 \$5,000
Integrated Pest Management of Cereal Aphids on the Great Plains	Peairs,Frank B	Entomology USDA-ARS-Agricultural Research Service	09/01/92- 08/31/97	2108 \$10,000
Population Biology & Impact of Natural Enemy / Introduction for Control of Russian Wheat Aphid...	Holtzer,Thomas O Antolin,Michael F	Entomology USDA-ARS-Agricultural Research Service	02/01/93- 09/30/97	2137 \$7,000
Cooperative Agricultural Pest Survey - 1997	Bjostad,Louis B	Bioagricultural Sci/Pest Management USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2141 \$32,300
Cooperative Agricultural Pest Survey	Bjostad,Louis B	Bioagricultural Sci/Pest Management USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2143 \$8,000
Cooperative Agricultural Pest Survey	Bjostad,Louis B	Bioagricultural Sci/Pest Management USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2145 \$22,713

College: Agricultural Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Grasshopper Common Dataset (CAPS 1997) - Cooperative Agricultural Pest Survey	Holtzer,Thomas O	Bioagricultural Sci/Pest Management USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2146 \$13,250
Cooperative Agricultural Pest Survey	Bjostad,Louis B	Bioagricultural Sci/Pest Management USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2148 \$9,400
Nestmate Recognition in Honeybees: Collaborative Research on Behavioral & Chemical Aspects	Bjostad,Louis B Hibbard,Bruce E	Bioagricultural Sci/Pest Management NSF-Biological Centers	12/01/94- 11/30/97	3035 \$36,994
Mosquito Genomics Database	Knudson,Dennis L	Entomology University of California	11/01/94- 10/31/97	5058 \$5,572
Alfalfa-grass Mixtures for Pesticide Reduction & Development of Expanded Hay Markets	Peairs, Frank B Rieske, Lynne K	Entomology Boulder County Parks & Open Spaces	04/01/96- 03/31/00	5121 \$3,272
Semiochemicals as Insecticide Baits	Bjostad,Louis B	Entomology E.I. Dupont Company	01/01/94- 12/31/99	6014 \$30,000
Development of Winter Wheat Varieties / RWA	Peairs, Frank B	Entomology Colorado Wheat Administrative Commission	07/01/96- 06/30/97	6681 \$15,000
Sweep Sample Analysis of Macroinvertebrates of Colorado & Wyoming Wetlands	Kondratieff,Boris C	Bioagricultural Sci/Pest Management USDA-USFS-Rocky Mtn. Experiment Station	11/27/96- 12/13/96	8844 \$5,175

College: Applied Human Sciences - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Rocky Mountain Teacher Education Collaborative	Stein,Fredrick M Hartley,Nancy K	Dean of Applied Human Sciences University of Northern Colorado	09/01/96- 05/31/97	3454 \$162,631
A Telephone Survey of Psychotherapy Clients	Werner-Wilson,Ronald	Human Development & Family Studies State of Colorado	03/15/97- 06/30/97	0031 \$8,500
Children, Youth & Family Network for Action: Child Care	Johnson,Patricia A	Human Development & Family Studies Kansas State University	02/01/97- 01/31/98	1320 \$6,300
DARE-to-be-You Head Start Consortium	MacPhee,David L Fritz,Janet J	Human Development & Family Studies HHS-ACF-Admin. for Children & Families	09/30/96- 09/29/97	4414 \$150,000
Healthy Meals Initiative	Anderson,Jennifer E	Food Science & Human Nutrition Colorado Department of Education	05/02/97- 03/31/98	0046 \$1,280
Changes in Fruit & Vegetable Consumption of Elementary School Students	Auld,Garry W	Food Science & Human Nutrition Colorado Dept Public Health & Environ	10/01/96- 09/30/97	0999 \$44,028
Prostaglandin Analyses	Allen,Kenneth G D	Food Science & Human Nutrition Purdue University	11/19/96- 03/17/97	1315 \$1,500
Essential Fatty Acid & Prostaglandin Analyses	Harris,Mary A	Food Science & Human Nutrition University of Connecticut	10/20/96- 06/30/97	1316 \$4,000
Vacuum Processing of Wheat in Space	Stone,Martha B Maga,Joseph A	Food Science & Human Nutrition NASA-Johnson Space Center	09/01/96- 08/31/97	1934 \$22,000
Establish a Colorado Nutrition Network	Anderson,Jennifer E	Food Science & Human Nutrition USDA-FNS-Food & Nutrition Service	09/30/96- 03/31/99	2089 \$199,961
Evaluation of Two Types of Liquid Honey in Various Ethnic Flat Breads	Stone,Martha B	Food Science & Human Nutrition The National Honey Board	07/01/96- 10/31/97	5109 \$10,000
Evaluation of Liquid Honey in Bagels made with Selected Flours	Stone,Martha B	Food Science & Human Nutrition The National Honey Board	08/01/96- 10/31/97	5110 \$19,000
Effect of a Non-diet Program on Physical Activity, Body Image, & Diet Quality in Obese, Sedentary Women...	Anderson,Jennifer E	Food Science & Human Nutrition American Dietetic Assoc. Foundation	01/01/97- 05/15/98	5164 \$3,000
Technology Application Assessment	Gregory,Susan R Smith,Kenneth D	Food Science & Human Nutrition Tradeware Technologies, Inc.	03/23/96- 03/23/97	6171 \$416
Employee Satisfaction & Commitment Evaluation	Gregory,Susan R Smith,Kenneth	Food Science & Human Nutrition Performance Management Company, Inc.	06/07/96- 08/24/96	6188 \$9,175
Employment Retention Project	Sample,Pat L	Occupational Therapy Colorado Division of Rehabilitation	10/01/96- 12/31/96	0982 \$22,343
Employment Retention Project	Sample,Pat L	Occupational Therapy Colorado Division of Rehabilitation	01/01/97- 09/30/97	0982 \$72,761
Training Grant - Workshop & Education Materials Development	Grady,Ann P	Occupational Therapy University of Colorado Health Sci Ctr	07/01/96- 06/30/97	4009 \$26,717
Students' Entrepreneurial Education Research Project (SEERP)	Gliner,Jeffrey A Sample,Pat L	Occupational Therapy DE-Special Education-Innovation & Devlpm	09/01/96- 08/31/97	4201 \$141,629
Bridges to Productive Adult Outcomes (Bridges)	Schelly,Catherine L Kothe,Julia M	Occupational Therapy DE-Special Projects & Demonstr./Voc Rehb	10/01/96- 09/30/97	4213 \$189,959

College: Applied Human Sciences - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Assistive Technology Training for Occupational Therapy	Spencer,Karen Clark	Occupational Therapy DE-Special Educ/Personnel Dev & Prntl Tr	08/01/96- 07/31/97	4257 \$110,646
Enhanced Employment Opportunities Grant/ Community Integrated Employment	Schelly,Catherine L	Occupational Therapy Foothills Gateway Rehabilitation Center	07/01/96- 06/30/97	5108 \$173,968
Enhanced Employment Opportunities Grant/ Community Integrated Employment	Schelly,Catherine L	Occupational Therapy Foothills Gateway Rehabilitation Center	07/01/96- 06/30/97	5108 \$4,149
Transition to Community Employment	Schelly,Catherine L	Occupational Therapy Larimer County Dept. / Human Development	01/01/97- 12/31/97	5143 \$11,000
Development of a Performance Evaluation for Gerontology	Fisher,Anne G	Occupational Therapy HHS-PHS-Aging Research	09/01/96- 08/31/97	7634 \$203,361
Care Access & Life Outcomes following Traumatic Brain Injury: A Multicultural & Gender...	Sample,Pat L	Occupational Therapy HHS-CDC-Environ. Hlth & Injury Control	09/01/96- 08/31/97	7703 \$39,347
Beneficial Role of Moderate Daily Wine Consumption upon Insulin Sensitivity	Cordain,Loren Melby,Christopher L	Exercise & Sport Science The Wine Institute	01/01/97- 06/30/99	5154 \$116,489
IVHS for Voluntary Emissions Reduction	Wolff,Birgit H Bohren,Lenora	Manufacturing Tech & Constrtn Mgmt Colorado Department of Transportation	11/14/94- 10/31/96	0722 \$15,000
Facility & Site Evaluation Services to Burlington School District	Dunn,G Richard	Manufacturing Tech & Constrtn Mgmt Burlington School District RE-6J	08/01/96- 06/30/97	5131 \$9,777
Facility & Site Evaluation Services to Salida School District	Dunn,G Richard	Manufacturing Tech & Constrtn Mgmt Salida School District R-32-J	12/01/96- 12/01/97	5140 \$9,868
Paso Del Norte Air Quality Project	Wolff,Birgit H Bohren,Lenora	Manufacturing Tech & Constrtn Mgmt El Paso Community Foundation (Texas)	11/01/96- 06/30/97	5425 \$42,700
National Center for Vehicle Emissions Control & Safety Grant	Wolff,Birgit H Sutton,John R	Manufacturing Tech & Constrtn Mgmt Environmental Protection Agency	09/01/94- 08/31/97	5840 \$57,376
National Center for Vehicle Emissions Control & Safety Grant	Wolff,Birgit H Sutton,John R	Manufacturing Tech & Constrtn Mgmt Environmental Protection Agency	09/01/94- 08/31/97	5840 \$50,000
National Center for Vehicle Emissions Control & Safety Grant	Wolff,Birgit H Sutton,John R	Manufacturing Tech & Constrtn Mgmt Environmental Protection Agency	09/01/94- 08/31/97	5840 \$88,399
Radon Prevention in the Design & Construction of Schools & Other Large Buildings	Thorburn,Mark S	Manufacturing Tech & Constrtn Mgmt Environmental Protection Agency	04/05/95- 12/31/96	5844 \$4,553
Willingness to Pay Survey - California - Survey to Analyze Vehicle Emissions	Wolff,Birgit H Bohren,Lenora	Manufacturing Tech & Constrtn Mgmt New Mexico State University	06/15/96- 06/15/97	5926 \$37,000
UPS Training - Package Handling	Johnson,Russell L	Manufacturing Tech & Constrtn Mgmt State of Kansas	09/01/96- 12/31/96	9713 \$1,395
Animal Assisted Therapy Program to Skyview Elementary School	Granger,Ben P	Social Work Frederick H Leonhardt Foundation	07/01/96- 06/30/97	5424 \$5,085
Animal Assisted Therapy & Activity Programs	Sheafor,Bradford W	Social Work Dr. Scholl Foundation	01/01/97- 12/31/97	5426 \$10,000
High Plains Intermountain Center for Agricultural Health & Safety (HICAHS)	Buchan,Victoria Buchan,Roy M	Social Work HHS-Occup Safety/Health Research Grants	09/30/96- 09/29/97	7746 \$15,930

College: Applied Human Sciences - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
NEW WAYS - Restructuring Systems & Rediscovering Community to Encourage Individuals with Developmental... True Colors Training Institute	Deniston,Terry L Sample,Pat L	School of Education Colorado Department of Human Service	04/11/97- 04/30/98	0044 \$125,000
School to Career Train the Trainer Workshop	Feller,Richard	School of Education C.D. of Ed./Comm. College & Occup. Ed.	10/01/96- 09/30/97	0059 \$12,331
A Validity Study of the PLACE Assessment	Feller,Richard	School of Education C.D. of Ed./Comm. College & Occup. Ed.	10/01/96- 09/30/97	0071 \$20,224
Program of Excellence	Cobb,R Brian	School of Education CCHE-Commission on Higher Education	07/01/96- 06/30/97	0100 \$19,826
Nontraditional Teacher Education Assistantship	Richburg,Robert W	School of Education CCHE-Commission on Higher Education	07/01/96- 06/30/97	0944 \$200,000
Tech Prep Technical Assistance	Schneider,Sherrie	School of Education C.D. of Ed./Comm. College & Occup. Ed.	07/01/96- 06/30/97	0945 \$24,189
Project F.O.C.U.S. (2) - Females Focusing on Careers in Underrepresented Sciences	Schneider,Sherrie	School of Education C.D. of Ed./Comm. College & Occup. Ed.	07/01/96- 06/30/97	0946 \$40,000
Vocational Credentialing & Testing Services	Carson,Sharon	School of Education C.D. of Ed./Comm. College & Occup. Ed.	07/01/96- 06/30/97	0947 \$40,000
Career, Labor Market & Equity Clearinghouse	Hollingsworth,Jay E	School of Education C.D. of Ed./Comm. College & Occup. Ed.	07/01/96- 06/30/97	0948 \$76,765
Vocational Credentialing	Feller,Richard	School of Education C.D. of Ed./Comm. College & Occup. Ed.	07/01/96- 06/30/97	0949 \$43,093
Standards Alignment through Partnership	Hollingsworth,Jay E	School of Education CCHE-Commission on Higher Education	07/01/96- 06/30/97	0951 \$13,000
Colorado School to Work Initiative	Mantle-Bromley,C	School of Education CCHE-Commission on Higher Education	07/01/96- 06/30/97	0978 \$49,982
Age Expansion of the Children's Motivation/Interest Questionnaire	Cobb,R Brian	School of Education Governors Office	10/01/96- 09/30/97	0983 \$173,796
Transition System Project	Morgan,George A	School of Education University of Colorado Health Sci Ctr	10/01/96- 09/30/97	0984 \$4,970
Transition to Adulthood Systems Change Project	Cobb,R Brian Thomson,Alexander	School of Education Colorado Department of Education	10/01/96- 06/30/97	0985 \$81,014
Research on Student Participation in Transitional Planning	Lehmann,Jean P	School of Education Black Hills Spec. Svcs. Coop of S Dakota	06/01/96- 09/30/97	4001 \$20,000
National Transition Network Project	Lehmann,Jean P Spencer,Karen Clark	School of Education University of Colorado	09/15/96- 09/01/97	4002 \$64,682
Aiming for the Future	Cobb,R Brian	School of Education University of Minnesota	10/01/96- 09/30/97	4008 \$40,878
Critical Issues Work	Lehmann,Jean P	School of Education DE-Dept. of Devel. Post-Secondary	01/01/97- 12/31/97	4209 \$114,911
	Mantle-Bromley,C Blocker,Sharon L	School of Education Colorado Partnership/Educational Renewal	10/01/95- 12/31/96	5081 \$8,000

College: Applied Human Sciences - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Even Start Program	Love,Cathleen T	School of Education Poudre R-1	07/01/96- 06/30/97	5301 \$17,477

College: Liberal Arts - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Colorado International Invitational Poster Exhibition	Frickman,Linda G	Art Colorado Council on the Arts & Humanities	02/25/97- 12/31/97	0027 \$4,800
Colorado International Invitational Poster Exhibition	Frickman,Linda G	Art City of Fort Collins - Fort Fund	01/22/97- 01/22/98	5152 \$2,200
Center for Research on Writing & Communication Technologies	Palmquist,Michael E Zimmerman,Donald E	English CCHE-Commission on Higher Education	07/01/96- 06/30/97	0950 \$100,000
Survey of National Park Service Classified Structures	Berwanger,Eugene H	History DOI-NPS-National Park Service	06/01/96- 10/01/97	1770 \$12,222
Survey of National Park Service Classified Structures	Berwanger,Eugene H	History DOI-NPS-National Park Service	06/01/96- 12/31/97	1770 \$4,483
Train History Archives - Curecanti National Recreation Area	Berwanger,Eugene H	History DOI-NPS-National Park Service	05/01/97- 10/01/97	1880 \$4,820
Unevaluated Structures Survey - Rocky Mountain National Park	Berwanger,Eugene H	History DOI-NPS-National Park Service	06/01/97- 10/01/97	1882 \$8,773
Center for Biomedical Research in Music	Thaut,Michael H	Music, Theatre & Dance CCHE-Commission on Higher Education	07/01/96- 06/30/97	0927 \$184,530
Outdoor Cafe Theatre of the Colorado State University Theatre	Burns,Morris U	Music, Theatre & Dance City of Fort Collins - Fort Fund	01/24/96- 01/24/97	5114 \$3,000
Transformation of Brazilian Environmental Policy & its Impact	Peak,G Wayne	Political Science Institute for the Study/World Politics	07/01/96- 03/31/97	5112 \$4,000
St. Martin's International Relations Text	Lamborn,Alan C	Political Science St. Martin's Press / Bedford Books	08/26/96- 12/31/96	6199 \$7,476
Irrigation Enterprise Management Study	Wilkins-Wells,John R Anderson,Raymond L	Sociology DOI-Bureau of Reclamation	02/12/96- 01/31/99	4185 \$14,000
Irrigation Enterprise Management Study	Wilkins-Wells,John R Anderson,Raymond L	Sociology DOI-Bureau of Reclamation	02/12/96- 01/31/99	4185 \$99,000
Opportunities & Obstacles for Sustainable Development	Murray,Douglas L	Sociology MacArthur Foundation	01/01/94- 04/30/97	5288 \$139
Optimizing & Evaluating Alcohol Warnings in Television Ad's	Slater,Michael D	Journalism & Technical Comm HHS-PHS-Alcohol Research Programs	08/01/96- 07/31/97	7697 \$179,828
Communication & Public Education Core 2: Injury Prevention Center	Stallones,Lorann Slater,Michael D	Journalism & Technical Comm HHS-CDC-Environ. Hlth & Injury Control	09/01/96- 08/31/97	7701 \$28,107
Optimizing \$ Evaluating Alcohol Warnings in Television Ad's	Slater,Michael D	Journalism & Technical Comm HHS-PHS-Alcohol Research Programs	08/01/96- 07/31/97	7738 \$28,500
Testing Models of Modern Human Origins in East Asia & Australia	Waddle,Diane M	Anthropology National Science Foundation	07/15/94- 12/31/96	3197 \$12,286

College: Business - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Foreign Service Employee Training	Olienyk,John P Allerheiligen,Robert	Business College Hewlett Packard	01/25/93- 01/30/93	6790 \$127
Privatizing Social Security: A Portfolio Model of Retirement Income	Bajtelsmit,Vickie L	Finance & Real Estate TIAA-CREF/Teachers Insur./Annuity Assoc.	02/01/97- 01/31/98	5148 \$7,600
Under 16 Seatbelt/Car-seat Observations	Francis,G James	Inst. for Transportation Management Colorado Department of Transportation	03/10/97- 06/30/97	0034 \$17,982
1997 Seat Belt Usage Study	Hivner,Walter A Boulter,Kenneth J	Inst. for Transportation Management Colorado Department of Transportation	06/04/97- 09/30/97	0063 \$49,996
Leadership Training Institute Program - Stage II	Kaman,Vicki S	Inst. for Transportation Management Colorado Department of Transportation	10/08/96- 06/30/97	0969 \$33,887
B-Level Management Institutes - Summary	Francis,G James McCambridge,James A	Inst. for Transportation Management Washington State Dept. of Transportation	12/01/93- 12/31/97	5590 \$6,735
Data Conversion & Cleanup in Conjunction with ManMan 9+ System	Weston,Frederick C J	Computer Information Systems Fischer Imaging Company	09/01/95- 09/06/96	6129 \$11,147
Teen Institute & Communication Campaign for Adolescent Females	Kelly,Kathleen J	Marketing HHS-SAMHSA-CSAP-Ctr Substance Abuse Prvn	09/30/95- 11/30/97	4415 \$302,314

College: Engineering - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Colorado Alliance for Minority Participation (CO-AMP)	El-Hakim,Omnia I Stein,Fredrick M	Dean of Engineering NSF-EHR-Education & Human Resources	11/01/96- 10/31/97	3129 \$946,411
Colorado Alliance for Minority Participation (CO-AMP) - Increasing Diversity in the Field of Science, Math, Eng...	Gessler,Johannes Stein,Fredrick M	Dean of Engineering NSF-EHR-Education & Human Resources	11/01/96- 12/31/97	3254 \$125,000
Colorado Institute for Research in Biotechnology (CIRB)	Murphy,Vincent G	Chemical & Bioresource Engineering CATI-Colo. Advanced Technology Institute	07/01/97- 06/30/98	0049 \$164,000
Colorado Institute for Research in Biotechnology (CIRB)	Murphy,Vincent G	Chemical & Bioresource Engineering CATI-Colo. Advanced Technology Institute	07/01/96- 06/30/97	0936 \$180,000
Colorado Institute for Research in Biotechnology (CIRB)	Murphy,Vincent G	Chemical & Bioresource Engineering CATI-Colo. Advanced Technology Institute	07/01/96- 06/30/97	0936 \$8,200
Modeling of Turbulent Two-phase Flow during Fiberization Process in Manufacturing of Glass into Fibrous Form	Dandy,David	Chemical & Bioresource Engineering CAMI-Advanced Materials Institute/Colo.	07/01/96- 06/30/97	0941 \$10,000
Stream Water Quality Modeling Technology Development	Garcia,Luis	Chemical & Bioresource Engineering DOI-Bureau of Reclamation	09/30/96- 09/30/98	1842 \$18,039
Stream Water Quality Modeling Technology Development	Garcia,Luis	Chemical & Bioresource Engineering DOI-Bureau of Reclamation	09/30/96- 09/30/97	1842 \$24,999
Stream Water Quality Modeling Technology Development	Garcia,Luis	Chemical & Bioresource Engineering DOI-Bureau of Reclamation	10/01/97- 09/30/98	1842 \$59,934
Upgrading Cropflex to Windows	Broner,Israel	Chemical & Bioresource Engineering USDA-Agricultural Conservation Program	06/03/96- 12/31/96	2075 \$5,000
Biodegradation of Propylene Glycol-based Mil-A-8243D Aircraft Deicer	Reardon,Kenneth F	Chemical & Bioresource Engineering DOD-USAF-Office of Scientific Research	06/05/96- 06/04/97	2311 \$3,195
REU in Chemical Engineering using the Colorado Bioprocessing Center	Murphy,Vincent G Batt,Brian C	Chemical & Bioresource Engineering NSF - Engineering Grant	02/01/96- 01/31/98	3034 \$55,906
Bioremediation Technology in the Engineering Curriculum: Research Experiences for Undergraduates	Reardon,Kenneth F	Chemical & Bioresource Engineering NSF - Engineering Grant	01/01/96- 08/31/98	3099 \$9,950
Reactive Blending via Metal-ligand Coordination in Polymeric Complexes	Belfiore,Laurence A	Chemical & Bioresource Engineering NSF-MPS-Mathematical & Physical Sciences	04/01/96- 03/31/98	3109 \$80,000
Metabolic Manipulation of Taxus Sp. Cell Cultures for Taxane Production	Linden,James C	Chemical & Bioresource Engineering NSF-Biological Centers	12/15/96- 11/30/98	3135 \$121,135
Research Experiences for Undergraduates	Dandy,David Rakow,Allen L	Chemical & Bioresource Engineering NSF - Engineering Grant	09/15/94- 05/31/98	3143 \$6,094
Model Based Control of Dissolved Oxygen at Low Concentrations & in Shear Sensitive...	Karim,Muhammad N	Chemical & Bioresource Engineering NSF - Engineering Grant	08/15/96- 07/31/97	3193 \$83,401
Model Based Control of Dissolved Oxygen at Low Concentrations & in Shear Sensitive...	Karim,Muhammad N	Chemical & Bioresource Engineering NSF - Engineering Grant	08/15/96- 07/31/99	3193 \$91,989
Model Based Control of Dissolved Oxygen at Low Concentrations & in Shear Sensitive...	Karim,Muhammad N	Chemical & Bioresource Engineering NSF - Engineering Grant	08/15/96- 07/31/98	3198 \$10,000
Bioremediation Technology in the Engineering Curriculum	Reardon,Kenneth F Murphy,Vincent G	Chemical & Bioresource Engineering NSF - Engineering Grant	09/15/96- 08/31/98	3502 \$109,830

College: Engineering - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Inventorying & Monitoring Natural Resources Status & Trends in the National Park System	Loftis,Jim C Garcia,Luis	Chemical & Bioresource Engineering DOI-NPS-National Park Service	04/17/95- 02/22/99	4159 \$61,884
Remedial Design for Bioremediation Projects	Reardon,Kenneth F	Chemical & Bioresource Engineering Camp Dresser McKee	08/19/96- 02/28/97	6203 \$13,061
DSC Testing	Rakow,Allen L	Chemical & Bioresource Engineering Iams Company	01/01/97- 12/31/97	6230 \$68,732
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 8)	Reardon,Kenneth F	Chemical & Bioresource Engineering HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7730 \$66,448
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 8)	Reardon,Kenneth F	Chemical & Bioresource Engineering HHS-PHS-Superfund Hazardous Substances	04/01/97- 03/31/98	7758 \$124,523
Water Management Research	Loftis,Jim C	Chemical & Bioresource Engineering USDA-ARS-Agricultural Research Service	10/01/95- 09/30/96	8003 \$2,341
Water Management Research	Loftis,Jim C	Chemical & Bioresource Engineering USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8025 \$39,565
Water Management Research	Loftis,Jim C	Chemical & Bioresource Engineering USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8025 \$54,450
Water Management Research	Loftis,Jim C	Chemical & Bioresource Engineering USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8025 \$78,870
Water Management Research	Loftis,Jim C	Chemical & Bioresource Engineering USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8025 \$2,156
Sustainable Irrigation Development in Indonesia	Oad,Ramchand	Chemical & Bioresource Engineering CID-Consortium for Inter. Development	05/15/97- 05/14/98	9226 \$143,402
Assessment of Customized Mesoscale Numerical Weather Prediction Products for Two Weather...	Cotton,William R	Atmospheric Science UCAR-NCAR-COMET Atmospheric Tech. Divis.	05/01/96- 04/30/98	1108 \$35,345
National Weather Service/COMET Fellowship	Rutledge,Steven A	Atmospheric Science UCAR-NCAR-COMET Atmospheric Tech. Divis.	05/15/96- 12/31/96	1109 \$17,635
Homogeneous Freezing Nucleation at Upper Tropospheric Conditions	Kreidenweis,Sonia M Chen,Yalei	Atmospheric Science NASA-Goddard	09/01/96- 08/31/97	1901 \$22,000
Lidar In-Space Technology Experiment (LITE)	Randall,David A	Atmospheric Science NASA-Langley Research Center	10/20/96- 10/19/97	1902 \$60,001
Lidar In-Space Technology Experiment (LITE)	Randall,David A	Atmospheric Science NASA-Langley Research Center	10/20/96- 03/21/98	1902 \$61,999
Measurements of Ice Nucleating Aerosols in the Upper Troposphere & Lower Stratosphere	Kreidenweis,Sonia M Demott,Paul J	Atmospheric Science NASA-ARC-Ames Research Center	11/01/94- 04/30/97	1906 \$58,154
Ground Truth Research & Algorithm Development in Support of TRMM (Tropical Rainfall Measurement Me..)	Stephens,Graeme L Rutledge,Steven A	Atmospheric Science NASA-Goddard	09/01/96- 08/31/97	1911 \$115,000
Use of the Large Eddy Simulation Techniques to Explicitly Model the Microphysics of Marine Stratocumulus	Cotton,William R	Atmospheric Science National Aeronautics & Space Admin.	09/01/96- 08/31/97	1913 \$22,000
Electrified Tropical Convection: Implications for use of the TRMM Lightning Imaging Sensor in Tropical Rainfall...	Rutledge,Steven A	Atmospheric Science National Aeronautics & Space Admin.	09/01/95- 08/31/97	1915 \$22,000

College: Engineering - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Radiative Significance of Middle & Upper Tropospheric Clouds	Cox,Stephen K Davis,John M	Atmospheric Science NASA-Langley Research Center	04/01/97- 03/31/98	1922 \$148,000
Interaction of the Cloudy Arctic Boundary Layer with Variable Surface Conditions & Large Scale Circulation	Randall,David A	Atmospheric Science NASA-Langley Research Center	05/01/97- 04/30/98	1923 \$75,000
Large Eddy Simulation of Cirrus Clouds	Cotton,William R	Atmospheric Science NASA-Langley Research Center	05/01/97- 04/30/98	1924 \$40,553
A New Approach to the Remote Sensing Cirrus Cloud Parameters Using Sub-millimeter...	Stephens,Graeme L	Atmospheric Science NASA-Langley Research Center	05/08/96- 05/07/97	1926 \$12,300
A New Approach to the Remote Sensing Cirrus Cloud Parameters Using Sub-millimeter...	Stephens,Graeme L	Atmospheric Science NASA-Langley Research Center	05/08/96- 05/07/97	1926 \$6,295
A New Approach to the Remote Sensing Cirrus Cloud Parameters Using Sub-millimeter...	Stephens,Graeme L	Atmospheric Science NASA-Langley Research Center	05/08/97- 05/07/98	1926 \$43,000
Retrieval of Cirrus Cloud Microphysical & Radiative Properties from Multispectral MODIS Remote Sensing...	Stephens,Graeme L Drummond,Charles J	Atmospheric Science National Aeronautics & Space Admin.	09/01/96- 08/31/97	1933 \$22,000
Water Vapor in the Climate System	Stephens,Graeme L Vonderhaar,Thomas H	Atmospheric Science National Aeronautics & Space Admin.	11/01/96- 10/31/97	1935 \$300,000
Analysis of Ice Nucleating Aerosol Measurement during SUCCESS - April, May 1996	Rogers,David C Kreidenweis,Sonia M	Atmospheric Science National Aeronautics & Space Admin.	01/01/97- 12/31/97	1937 \$69,575
Climate Sensitivity of Thaw Lake Systems on the Alaskan North Slope	Pielke,Roger A Liston,Glen E	Atmospheric Science NASA-Goddard	01/01/97- 12/31/97	1941 \$12,298
Reconstructing Snow-Depth Distributions using MODIS Snow-cover Products & a Regional Snowmelt Model...	Liston,Glen E Pielke,Roger A	Atmospheric Science NASA-Goddard	06/15/97- 09/30/97	1947 \$25,000
Interdisciplinary Science Investigation of Clouds & the Earth's Radiant Energy System	Randall,David A	Atmospheric Science NASA-Langley Research Center	05/03/96- 05/02/97	1952 \$45,000
Interdisciplinary Science Investigation of Clouds & the Earth's Radiant Energy System	Randall,David A	Atmospheric Science NASA-Langley Research Center	05/03/96- 05/02/98	1952 \$150,000
Biosphere-Atmosphere Interactions - A Study of the Energy, Water & Carbon Cycles	Randall,David A	Atmospheric Science NASA-Goddard	05/01/95- 04/30/98	1961 \$145,250
Validation Studies & Algorithm Refinement in Support of Tropical Rainfall Measuring Mission (TRMM)	Rutledge,Steven A Stephens,Graeme L	Atmospheric Science National Aeronautics & Space Admin.	06/01/97- 05/31/98	1962 \$120,000
Modeling Biosphere-Atmosphere Interactions at Various Scales in Support of BOREAS	Pielke,Roger A Kittel,Timothy G F	Atmospheric Science NASA-Goddard	07/01/95- 06/30/97	1976 \$115,000
Observational & Modeling Studies in Support of the Atlantic Stratocumulus Transition Experiment (ASTEX)	Cox,Stephen K	Atmospheric Science DOD-NAVY-ONR-Office of Naval Research	03/01/91- 09/30/98	2397 \$238,337
Observational & Modeling Studies in Support of the Atlantic Stratocumulus Transition Experiment (ASTEX)	Cox,Stephen K	Atmospheric Science DOD-NAVY-ONR-Office of Naval Research	03/01/91- 09/30/98	2397 \$100,000
Dynamical Studies in Hurricane Intensity Change	Montgomery,Michael T	Atmospheric Science DOD-NAVY-ONR-Office of Naval Research	03/01/93- 12/31/97	2447 \$175,083
Dynamical Studies in Hurricane Intensity Change	Montgomery,Michael T	Atmospheric Science DOD-NAVY-ONR-Office of Naval Research	03/01/93- 12/31/97	2447 \$88,985

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Center for Geosciences Phase II / Compression Waves	Vonderhaar,Thomas H Pielke,Roger A	Atmospheric Science DOD-ARMY-ARO-Army Research Office	09/30/94- 09/29/97	2537 \$57,683
Development & Testing of Physical Algorithms for Cloud Forecasting on the Mesoscale	Cotton,William R Stephens,Graeme L	Atmospheric Science DOD-USAF-Office of Scientific Research	01/15/95- 01/14/98	2541 \$95,077
CloudSat: Preparation of Step 2 Document	Stephens,Graeme L	Atmospheric Science Calif. Inst. of Tech/Jet Propulsion Lab	11/01/96- 12/31/96	2703 \$14,000
Clouds & Water Vapor in the Climate System: RPA & Satellites	Stephens,Graeme L	Atmospheric Science Harvard University	07/01/96- 06/30/97	2714 \$84,001
Global & Regional Modeling of the Atmospheric Hydrological Cycle using Water Vapor Det...	Randall,David A	Atmospheric Science Calif. Inst. of Tech/Jet Propulsion Lab	11/18/96- 09/30/99	2715 \$35,600
Projecting Climate & Vegetation Change for the Central Grasslands Biogeographic Regions	Pielke,Roger A Kittel,Timothy G F	Atmospheric Science DOI-NPS-National Park Service	05/01/93- 04/01/98	2866 \$30,000
Climate Change in the Colorado Rocky Mountains: Bounding Projected Changes in Regional Climate...	Pielke,Roger A Kittel,Timothy G F	Atmospheric Science DOI-NPS-National Park Service	08/01/93- 04/01/98	2867 \$68,000
Climate Analysis & Extended Range Seasonal Prediction	Gray,William M	Atmospheric Science NSF-GEO-Geosciences	11/15/94- 10/31/97	3032 \$147,857
Hurricane Dynamics	Schubert,Wayne H	Atmospheric Science NSF-GEO-Geosciences	02/01/95- 01/31/98	3047 \$140,256
Modeling & Analysis of Convective Storms	Cotton,William R	Atmospheric Science NSF-GEO-Geosciences	03/01/95- 02/28/98	3079 \$286,877
Improving Nexrad-Based Estimates of Precipitation Rates & Hydrometeor Classification	Rutledge,Steven A Bringi,Viswanathan N	Atmospheric Science NSF-GEO-Geosciences	09/01/96- 08/31/97	3091 \$105,000
Lake Ice Modeling & the Paleoenvironment of the Eastern Canadian Arctic Over the Last 21...	Pielke,Roger A Liston,Glen E	Atmospheric Science National Science Foundation	12/01/96- 11/30/98	3132 \$98,333
Wave-Cyclone Interaction in the Near Field Associated with Non-Axisymmetric Adjustment	Montgomery,Michael T	Atmospheric Science NSF-GEO-Geosciences	04/01/96- 03/31/98	3133 \$84,899
Simulations of Cloud/Radiative Responses to Variations in Cloud Condensation Nuclei	Cotton,William R	Atmospheric Science NSF-GEO-Geosciences	05/01/96- 04/30/98	3136 \$99,947
Ice Formation Processes in Upper Tropospheric Conditions	Demott,Paul J Kreidenweis,Sonia M	Atmospheric Science NSF-GEO-Geosciences	01/15/97- 12/31/97	3147 \$170,000
The CSU-CHILL Radar Facility	Rutledge,Steven A Bringi,Viswanathan N	Atmospheric Science NSF-GEO-Geosciences	05/01/95- 04/30/98	3157 \$514,113
Hurricane Inner Core & Outer Radius Structure & Maximum Potential Intensity	Gray,William M	Atmospheric Science NSF-GEO-Geosciences	02/15/97- 01/31/98	3173 \$85,000
Chemical Heterogeneity among Cloud Drop Populations & its Effect on Sulfur Oxidation	Collett,Jeffrey L Jr	Atmospheric Science NSF-GEO-Geosciences	09/01/95- 08/31/97	3290 \$29,929
Chemical Heterogeneity among Cloud Drop Populations & its Effect on Sulfur Oxidation	Collett,Jeffrey L Jr	Atmospheric Science NSF-GEO-Geosciences	09/01/95- 08/31/98	3290 \$110,356
Convective Cloud Systems in Climate Models	Randall,David A Fowler,Laura Dorothy	Atmospheric Science NSF-GEO-Geosciences	10/01/94- 03/31/98	3339 \$175,000

College: Engineering - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Continued Investigation of the Influence of Landscape on Weather & Climate	Pielke,Roger A	Atmospheric Science National Science Foundation	02/01/94- 07/31/98	3380 \$136,151
Significant Opportunities in Atmospheric Research & Science (SOARS) Scholarship -Janel Cobb	Cox,Stephen K	Atmospheric Science UCAR-NCAR-SOARS	08/15/96- 08/14/97	3402 \$14,186
A Modeling & Remote Sensing Study of the Radiative Heating of Clouds in Support of ARM	Stephens,Graeme L Gabriel,Philip M	Atmospheric Science US Department of Energy	12/01/96- 11/30/97	3807 \$190,000
On the Fundamental Role of Day Versus Night Radiation Differences on the Diurnal Variability of Tropospheric...	Gray,William M	Atmospheric Science US Department of Energy	12/01/96- 11/30/97	3808 \$110,000
Mixed Layer Processes & Parameterization in High Resolution Ocean Models	Randall,David A Jensen,Tommy G	Atmospheric Science US Department of Energy	02/01/97- 01/31/98	3810 \$75,316
Further Development of An Advanced Finite-difference Atmospheric General Circulation Model	Randall,David A	Atmospheric Science DOE-San Francisco	09/01/96- 08/31/97	3815 \$136,964
An ARM Spectrally Scanning Radiometer (ASSR) for Measuring Solar Fluxes & Radiances	Stephens,Graeme L McCoy,Robert F	Atmospheric Science DOE-Office of Energy Research	01/01/97- 12/31/97	3818 \$280,000
Development & Testing of an Aerosol Stratus Cloud Parameterization Scheme for Middle & High Latitudes	Kreidenweis,Sonia M Cotton,William R	Atmospheric Science US Department of Energy	11/01/96- 10/31/97	3821 \$150,000
Use of ARM Data to Develop & Test Improved Cloud Parameterization for Use in Climate Models	Randall,David A	Atmospheric Science US Department of Energy	12/01/96- 11/30/97	3822 \$200,000
UAV Applications for Studying Radiation & Optical Properties of Upper Tropospheric Clouds	Stephens,Graeme L Cox,Stephen K	Atmospheric Science US Department of Energy	09/01/95- 01/31/98	3823 \$100,000
Clouds & Ocean-Atmosphere Interactions in the Pacific Basin	Randall,David A Jensen,Tommy G	Atmospheric Science US Department of Energy	09/15/96- 09/14/97	3865 \$166,225
Impact of Historical Landcover & Landuse Change on Weather & Climate	Pielke,Roger A	Atmospheric Science DOI-USGS-Geological Survey	09/01/94- 08/31/97	4126 \$50,000
Seasonal & Decadal Prediction of U.S. Landfall of Hurricanes	Gray,William M	Atmospheric Science Bermuda Biological Station for Research	06/01/96- 12/31/96	5117 \$46,000
AMS Graduate Fellowship - Cristina Kaufman	Johnson,Richard H Rutledge,Steven A	Atmospheric Science American Meteorological Society	08/15/96- 08/14/97	5122 \$15,000
AMS Graduate Fellowship - Matthew Parker	Johnson,Richard H	Atmospheric Science American Meteorological Society	08/15/96- 08/14/97	5123 \$15,000
Effects of El Nino-Southern Oscillation upon Global Tropical Cyclone Activity	Gray,William M	Atmospheric Science Bermuda Biological Station for Research	01/01/97- 12/31/98	5149 \$48,970
Experimental Studies of the Factors Controlling the Water Nucleating Ability of Atmospheric...	Kreidenweis,Sonia M Brechtel,Fredrick J	Atmospheric Science Environmental Protection Agency	09/01/95- 08/31/97	5850 \$8,444
Experimental Studies of the Factors Controlling the Water Nucleating Ability of Atmospheric...	Kreidenweis,Sonia M Brechtel,Fredrick J	Atmospheric Science Environmental Protection Agency	09/01/95- 08/31/97	5850 \$6,722
Effects of Non-Uniform Cloud Drop Composition on Pollutant Transformation & Removal in Winter Clouds	Collett,Jeffrey L Jr	Atmospheric Science Environmental Protection Agency	10/01/95- 09/30/98	5851 \$113,954
Effects of Non-uniform Cloud Drop Composition on Pollutant Transformation & Removal in Winter Clouds	Collett,Jeffrey L Jr	Atmospheric Science Environmental Protection Agency	10/01/95- 09/30/98	5851 \$117,584

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
A Regional Assessment of Land Use Effect on Ecosystem Structure & Function in the Central Grasslands of the U.S.	Pielke,Roger A	Atmospheric Science EPA-Environmental Education Grants	10/01/96- 09/30/99	5856 \$131,512
A Regional Assessment of Land Use Effect on Ecosystem Structure & Function in the Central Grasslands of the U.S.	Pielke,Roger A	Atmospheric Science EPA-Environmental Education Grants	10/01/96- 09/30/99	5856 \$136,261
Effects of Winter Fog Episodes on PM-10 Concentrations in California's San Joaquin Valley	Collett,Jeffrey L Jr	Atmospheric Science Sonoma Technology, Inc.	03/17/95- 12/31/98	6101 \$35,782
Terrain Responsive Atmospheric Code, HAZMAT Upgrade	Pielke,Roger A	Atmospheric Science School of Mines	05/30/96- 09/30/96	9325 \$25,165
Colorado Transportation Information Program	Szrot,Robert B Fontane,Darrell G	Civil Engineering Colorado Department of Transportation	01/01/97- 12/31/97	0022 \$192,500
CCHE Space Center of Excellence	Sadeh,Willy Z	Civil Engineering University of Colorado	07/01/93- 06/30/97	0281 \$21,100
Pressure Flow Scour in Bridge Openings	Abt,Steven R Watson,Chester C	Civil Engineering Colorado Department of Transportation	07/26/94- 01/10/98	0680 \$25,000
Methodologies for Design of Soil Covers for Waste Disposal Sites	Abt,Steven R	Civil Engineering Nuclear Regulatory Commission	11/21/96- 09/30/97	1002 \$99,483
Spread Creek Material Source Study	Molinas,Albert	Civil Engineering DOT-Federal Highway Administration	05/01/93- 12/31/96	1005 \$25,000
Internment - Tule Lake - Development of a Presentation in Digital Form	Sunada,Daniel K	Civil Engineering Civil Liberties Public Education Fund	05/05/97- 06/30/98	1014 \$14,999
Technology Transfer & Training Program for Native Americans	Gutkowski,Richard M El-Hakim,Omnia I	Civil Engineering DOT-Federal Highway Administration	01/01/97- 12/31/97	1029 \$21,992
Technology Transfer & Training Program for Native Americans	Gutkowski,Richard M El-Hakim,Omnia I	Civil Engineering DOT-Federal Highway Administration	01/01/97- 12/31/97	1030 \$178,008
Local Management of MPC Programs	Gutkowski,Richard M	Civil Engineering North Dakota State University	07/01/96- 06/30/97	1076 \$16,685
Acoustic Emission Monitoring for Non-destructive Load Rating of Bridges	Peterson,Michael Gutkowski,Richard M	Civil Engineering North Dakota State University	07/01/96- 06/30/97	1077 \$21,896
Dynamic Load Impact Factors for Design of Low Volume Bridges	Peterson,Michael Gutkowski,Richard M	Civil Engineering North Dakota State University	07/01/96- 06/30/97	1079 \$9,000
Full-scale Laboratory Testing of a Tumble Trestle Railroad Bridge	Gutkowski,Richard M Peterson,Michael	Civil Engineering North Dakota State University	07/01/96- 06/30/97	1081 \$34,707
Railroad Bridge Strengthening Needs - Year 2	Gutkowski,Richard M	Civil Engineering North Dakota State University	07/01/96- 06/30/97	1082 \$37,529
Participation in TEL8 -- Satellite Based Two-way Interactive Telecommunications Network	Gutkowski,Richard M	Civil Engineering North Dakota State University	07/01/96- 06/30/97	1083 \$35,759
Orthotropic Modifications for Lemmons Calculations	Heyliger,Paul R	Civil Engineering DOC-NIST-Nat. Inst. Standards & Tech.	06/23/97- 09/30/97	1228 \$5,000
Analytical Services	Gates,Timothy K	Civil Engineering DOI-Bureau of Reclamation	08/13/96- 08/13/97	1739 \$10,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Development of Hydrologic & Sediment Dynamics Models for the Rio Puerco	Ramirez,Jorge A	Civil Engineering DOI-USGS-Geological Survey	08/01/96- 09/30/97	1816 \$16,714
Riprap Embankment Toe Protection	Ruff,James F	Civil Engineering DOI-Bureau of Reclamation	09/26/96- 12/31/97	1828 \$144,722
Ecology of Western Reservoirs	Fontane,Darrell G Bartholow,John	Civil Engineering DOI-National Biological Survey	09/01/96- 08/31/99	1832 \$28,388
Water Quantity/ Routing Model Development Klameth River Basin, Oregon & California	Flug,Marshall Fontane,Darrell G	Civil Engineering DOI-National Biological Survey	05/01/96- 09/30/99	1833 \$34,630
Flow Prediction for Crater Lake National Park	Salas,Jose D Sanders,Thomas G	Civil Engineering DOI-NPS-National Park Service	10/01/96- 03/31/97	1835 \$11,800
Cooperative Agreement for Hydrologic Model Development & Maintenance	Labadie,John W	Civil Engineering DOI-Bureau of Reclamation	03/17/97- 09/30/01	1868 \$20,000
Technical Assistance in Water Resource Investigations - Rio Grande	Julien,Pierre Y	Civil Engineering DOI-Bureau of Reclamation	05/13/97- 09/30/02	1877 \$40,000
Embankment Overtopping	Ruff,James F Abt,Steven R	Civil Engineering DOI-Bureau of Reclamation	10/01/91- 12/31/96	1887 \$25,000
Modeling of Inflatable Structures for a Lunar/Martian Base	Sadeh,Willy Z	Civil Engineering National Aeronautics & Space Admin.	07/01/96- 06/30/97	1905 \$22,000
Field to Farm to Ecosystem Scale Decision Support Models	Salas,Jose D	Civil Engineering USDA-ARS-Agricultural Research Service	08/26/94- 07/14/99	2002 \$48,000
Field to Farm to Ecosystem Scale Decision Support Models	Salas,Jose D	Civil Engineering USDA-ARS-Agricultural Research Service	08/26/94- 07/14/99	2002 \$110,000
Field to Farm to Ecosystem Scale Decision Support Models	Salas,Jose D	Civil Engineering USDA-ARS-Agricultural Research Service	08/26/94- 07/14/99	2002 \$72,000
DEC Design Guidance	Watson,Chester C Abt,Steven R	Civil Engineering DOD-ARMY-Corps of Engineers	03/01/96- 09/30/97	2300 \$76,000
Intergovernmental Personnel Act for Dan Gessler to WES	Gessler,Daniel	Civil Engineering DOD-ARMY-Corps of Engineers	06/01/96- 11/30/97	2304 \$62,312
North Boundary Containment System (NBCS) Model Update - Rocky Mountain Arsenal	Warner,James W	Civil Engineering DOD-ARMY-Rocky Mountain Arsenal	09/01/96- 03/31/97	2327 \$30,041
Integrating Condition Indices, Performance Measures, & Quadrant Decision Processes	Abt,Steven R Thornton,Christopher	Civil Engineering DOD-ARMY-Corps of Engineers	01/31/97- 02/01/98	2341 \$49,471
Numerical Model Study of Alhambra Crossing	Watson,Chester C	Civil Engineering DOD-ARMY-Corps of Engineers	05/02/97- 08/02/97	2352 \$26,785
Effects of Woody Vegetation on Channel Roughness	Abt,Steven R Watson,Chester C	Civil Engineering DOD-ARMY-Corps of Engineers	07/01/95- 01/01/97	2568 \$35,000
Effects of Woody Vegetation on Channel Roughness	Abt,Steven R Watson,Chester C	Civil Engineering DOD-ARMY-Corps of Engineers	07/01/95- 01/01/97	2568 \$28,898
DEC Monitoring Sites 1996-1998	Watson,Chester C Abt,Steven R	Civil Engineering DOD-ARMY-Corps of Engineers	12/22/95- 07/31/96	2590 \$150,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
DEC Monitoring Sites 1996-1998	Watson,Chester C Abt,Steven R	Civil Engineering DOD-ARMY-Corps of Engineers	12/22/95- 09/30/97	2590 \$90,000
DEC Monitoring Sites 1996-1998	Watson,Chester C Abt,Steven R	Civil Engineering DOD-ARMY-Corps of Engineers	12/22/95- 09/30/97	2590 \$234,960
Uniform Test Procedures for Block Products: Test Development & Evaluation	Abt,Steven R Watson,Chester C	Civil Engineering DOD-ARMY-Corps of Engineers	03/01/96- 02/28/98	2594 \$52,315
Debris Control at Hydraulic Structures	Abt,Steven R	Civil Engineering University of Nottingham, England	08/01/95- 09/30/96	2612 \$5,800
Advancement of Knowledge in the Area of Space Launch Systems of the U.S. Space Program	Brower,Timothy L	Civil Engineering Lockheed Corporation	03/31/97- 12/31/97	2620 \$41,985
Advancement of Knowledge in the Area of Space Launch Systems of the U.S. Space Program	Brower,Timothy L	Civil Engineering Lockheed Corporation	03/31/97- 12/31/97	2621 \$23,625
Quantification of Federal Reserved Water Rights for National Park Purposes	Sanders,Thomas G Kimball,Dan	Civil Engineering DOI-NPS-National Park Service	04/01/96- 02/23/99	2860 \$214,000
Quantification of Federal Reserved Water Rights for National Park Purposes	Sanders,Thomas G Kimball,Dan	Civil Engineering DOI-NPS-National Park Service	04/01/96- 02/23/99	2860 \$24,900
CSU/TTU Cooperative Wind Engineering Program	Meroney,Robert N	Civil Engineering National Science Foundation	01/15/95- 06/30/98	3045 \$83,178
CSU/TTU Cooperative Wind Engineering Program: Wind Flow	Meroney,Robert N	Civil Engineering National Science Foundation	01/15/95- 06/30/98	3051 \$52,864
CSU/TTU Cooperative Wind Engineering Program: Meteorology	Bienkiewicz,Bogusz J Meroney,Robert N	Civil Engineering NSF - Engineering Grant	01/15/95- 06/30/98	3053 \$46,658
CSU/TTU Cooperative Wind Engineering Program: Wind Load	Cermak,Jack E Meroney,Robert N	Civil Engineering NSF - Engineering Grant	01/15/95- 06/30/98	3055 \$72,620
Coupled Solute Migration through Clay Barrier Materials	Shackelford,Charles	Civil Engineering NSF - Engineering Grant	09/15/96- 08/31/97	3112 \$44,522
Coupled Solute Migration through Clay Barrier Materials	Shackelford,Charles	Civil Engineering NSF - Engineering Grant	09/15/96- 08/31/98	3112 \$45,102
Uncertainty & Risk Analysis under Extreme Hydrologic Events	Salas,Jose D Boes,Duane C	Civil Engineering NSF - Engineering Grant	10/01/96- 09/30/97	3113 \$88,859
CSU/TTU Cooperative Wind Engineering Program: Economics	Meroney,Robert N Cochrane,Harold C	Civil Engineering NSF - Engineering Grant	01/15/95- 06/30/98	3131 \$64,740
REU: Undergraduate Research Opportunities in Water Resources	Ramirez,Jorge A Hannah,Judith L	Civil Engineering NSF - Engineering Grant	06/01/97- 07/31/98	3162 \$76,303
CSU/TTU Cooperative Wind Engineering Program-- REU Supplement	Meroney,Robert N	Civil Engineering National Science Foundation	03/14/97- 06/30/97	3200 \$10,000
National Science Foundation - National Young Investigator Award	Shackelford,Charles	Civil Engineering National Science Foundation	11/01/94- 04/30/98	3352 \$37,500
Laterally Loaded Manufactured Homes - Phase I	Criswell,Marvin E	Civil Engineering South Dakota School of Mines	06/01/93- 05/31/97	3440 \$1,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Application of Statistical Dynamical Water Balance Model to Regional Scale Integrated...	Ramirez,Jorge A	Civil Engineering Tulane University	07/01/96- 06/30/97	3915 \$69,995
Dam Foundation Erosion Study	Ruff,James F	Civil Engineering DOI-Bureau of Reclamation	05/19/95- 03/31/98	4143 \$19,000
Dam Foundation Erosion Study	Abt,Steven R Ruff,James F	Civil Engineering DOI-Bureau of Reclamation	05/19/95- 03/31/98	4151 \$22,700
Systems Analysis Methods for Water & Natural Resources Decision Making	Flug,Marshall	Civil Engineering DOI-National Biological Survey	10/01/94- 09/30/97	4170 \$16,560
Systems Analysis Methods for Water & Natural Resources Decision Making	Flug,Marshall	Civil Engineering DOI-National Biological Survey	10/01/94- 09/30/98	4170 \$32,275
Water Blend Basin Model	Abt,Steven R Brisbane,Thomas E	Civil Engineering Denver Water Department	04/10/96- 06/30/97	5073 \$18,861
Sediment at Westlake Lake	Ruff,James F	Civil Engineering Ventura County, California	06/06/96- 01/01/97	5096 \$10,225
Field Testing of Railroad Bridges	Gutkowski,Richard M	Civil Engineering Association of American Railroads	05/31/95- 12/31/97	5320 \$9,356
Kansas City Stream Restoration Workshop	Watson,Chester C	Civil Engineering Illinois State Water Survey	09/01/95- 01/31/97	5350 \$8,694
Colorado State Reservoir Sedimentation Conference	Albertson,Maurice L	Civil Engineering UNESCO	09/01/96- 10/31/96	5727 \$15,000
Development of an Integrated System of Flow Forecasting for the Maule R. Basin, Chile	Diaz,Gustavo E Salas,Jose D	Civil Engineering Catholic University of Chile	11/15/96- 11/15/97	5730 \$63,906
Development of a Finite Element Program for Transient Analyses of Aluminum Extrusion	Thompson,Erik G	Civil Engineering ALCOA - Aluminum Company of America	03/01/97- 02/28/98	6215 \$16,000
Research Assistance Agreement	Thompson,Erik G	Civil Engineering Teledyne Allvac	04/01/97- 03/31/98	6237 \$35,000
Passive Viscoelastic Damping Systems	Cermak,Jack E	Civil Engineering 3-M Corporation	01/01/94- 12/31/98	6873 \$12,500
GPSR - USDA/ARS Task Order for Dr. Ahuja & Dr. Dunn	Salas,Jose D	Civil Engineering USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8030 \$44,778
Bedload Transport Processes in Gravel-bed Rivers	Abt,Steven R	Civil Engineering USDA-USFS-Rocky Mtn. Experiment Station	04/26/96- 03/30/98	8760 \$42,305
Integrated Model for Optimization of Water Allocations	Diaz,Gustavo E	Civil Engineering USDA-USFS-Rocky Mtn. Experiment Station	05/16/94- 03/01/99	8803 \$48,000
Adapting the Complementary Relationship for Mountainous Areas of the United States	Ramirez,Jorge A	Civil Engineering USDA-USFS-Rocky Mtn. Experiment Station	06/30/97- 07/01/98	8847 \$16,400
East Anatolia Watershed Rehabilitation Project - Group 25 / France	Julien,Pierre Y	Civil Engineering CID-Consortium for Inter. Development	10/08/96- 10/23/96	9221 \$7,275
Prototype Code Development (Phase 3)	Thompson,Erik G	Civil Engineering State of Kansas	09/01/96- 08/31/97	9763 \$32,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
XUV Optics	Rocca,Jorge J G	Electrical Engineering University of Colorado	07/01/96- 06/30/97	0016 \$2,500
Aberration Corrected Optics	Rocca,Jorge J G	Electrical Engineering University of Colorado	07/01/96- 06/30/97	0036 \$20,000
Determination of Boron Structure in Complex Silicate Glasses using Broad-band Microwaves	Zoughi,Reza	Electrical Engineering CAMI-Advanced Materials Institute/Colo.	07/01/97- 06/30/98	0053 \$10,000
CCHE Center for Excellence - Optoelectronics	Wilmsen,Carl W	Electrical Engineering CCHE-Commission on Higher Education	07/01/96- 06/30/97	0926 \$280,000
Optoelectronics Administration	Wilmsen,Carl W	Electrical Engineering University of Colorado	07/01/96- 06/30/97	0959 \$20,000
Optoelectronics Administration	Wilmsen,Carl W	Electrical Engineering University of Colorado	07/01/96- 06/30/97	0959 \$2,500
Coherent Blue Light Source for NO2 Pollution Monitoring	Menoni,Carmen S	Electrical Engineering University of Colorado	07/01/96- 06/30/97	0960 \$20,000
Two-dimensional Parallel Read-out of Optical Tape	Mitkas,Pericles A	Electrical Engineering University of Colorado	07/01/96- 06/30/97	0965 \$15,000
A Novel Microwave Method for Filled & Covered Surface Crack Detection in Steel Members...	Zoughi,Reza Ganchev,Stoyan	Electrical Engineering DOT-Federal Highway Administration	08/15/94- 09/30/97	1001 \$75,000
Ka Band Propagation Studies using ACTS Terminal & CSU-CHILL Radar	Bringi,Viswanathan N Turk,Francis J	Electrical Engineering NASA-Lewis Research Center	05/01/93- 09/30/97	1977 \$89,770
Testing & Future Development of Microwave Sensor for Composite Mast	Zoughi,Reza	Electrical Engineering DOD-NAVY	09/25/96- 10/20/96	2328 \$2,450
First Generation Microwave Sensor for Inspections of Thick Composite Joints	Zoughi,Reza	Electrical Engineering DOD-NAVY-Naval Surface Warfare Center	02/13/97- 05/12/97	2344 \$32,554
Robust, High-speed WDM Networks	Jayasumana,Anura Temkin,Henryk	Electrical Engineering DOD-ARPA-Advanced Research Proj. Agency	05/01/95- 11/30/97	2515 \$300,000
Advanced Polarimetric Measurements & Analysis	Bringi,Viswanathan N Chandrasekar,V	Electrical Engineering DOD-USAF-Office of Scientific Research	02/01/95- 01/31/98	2540 \$64,071
Microwave Detection of Corrosion (Rust) under Paint & Composite Laminates	Zoughi,Reza	Electrical Engineering Texas Research Institute (NTIAC)	05/02/97- 10/30/97	2622 \$23,299
Utilization of Radar Data in TRMM - (Tropical Rainfall Measuring Mission)	Chandrasekar,V	Electrical Engineering University of Iowa	11/01/96- 10/31/97	2706 \$31,198
Research Experience for Undergraduates Uniform Grain Size Polysilicon Plasma Processing for Thin Film Transis...	Collins,George J	Electrical Engineering NSF - Engineering Grant	07/01/95- 06/30/97	3021 \$10,000
International Collaboration for the Study of Fast Capillary Plasmas	Rocca,Jorge J G	Electrical Engineering NSF - Engineering Grant	01/01/95- 12/31/97	3038 \$12,741
Behavioral Level Design Verifications using Software Testing Techniques	Chen,Wei (Tom)	Electrical Engineering NSF-CISE-Computer & Info Sci & Engin	08/01/96- 07/31/99	3066 \$134,128
Undergraduate Research Experience	Rocca,Jorge J G	Electrical Engineering National Science Foundation	09/15/94- 08/31/97	3073 \$10,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Research Experiences for Undergraduates in Electrical Engineering Focused around the CSU Chill Polarimetric...	Chandrasekar,V	Electrical Engineering National Science Foundation	04/15/94- 09/30/97	3096 \$64,994
Study of Polarimetric Signatures in Winter & Spring Time Storms Using the CSU-CHILL Radar	Chandrasekar,V	Electrical Engineering NSF-GEO-Geosciences	05/15/95- 04/30/98	3170 \$88,842
An Integrated Engineering Systems & Controls Laboratory	Young,Peter	Electrical Engineering NSF-EHR-Education & Human Resources	07/15/96- 06/30/98	3194 \$90,000
Multiparameter Radar & Aircraft-based Studies of the Microphysical, Kinematic & Electrical Structure of Convect...	Bringi,Viswanathan N	Electrical Engineering NSF-GEO-Geosciences	05/01/95- 04/30/98	3233 \$112,095
Enhancement Plan - Research on Blue Conductor Lasers & Early Motivation...	Menoni,Carmen S	Electrical Engineering NSF - Engineering Grant	05/21/97- 06/30/97	3236 \$10,000
Uniform Grain Size Polysilicon for Thin Film Transistors - GOALI/IUCRP	Collins,George J	Electrical Engineering NSF - Engineering Grant	07/01/95- 06/30/98	3381 \$92,869
Acoustic Sensing for Motion/Range Detection & Elasticity Perception	Azimi-Sadjadi,M R	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3407 \$39,904
New Image Compression Schemes for 3-D Television	Azimi-Sadjadi,M R	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3410 \$23,395
A New Feature Based Compression Scheme for Stereo-Images	Chen,Wei (Tom)	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3412 \$26,605
Early Optoelectronics Motivation of Freshman Electrical Engineering Students & Seniors...	Menoni,Carmen S	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3413 \$25,000
Performance Capabilities of Haptic Displays	Young,Peter	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3414 \$8,000
Performance Capabilities of Haptic Displays	Young,Peter	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3414 \$25,000
Implementation of Smart Displays Based on Eye Motion Tracking	Jayasumana,Anura	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3415 \$12,000
Implementation of Smart Displays Based on Eye Motion Tracking	Jayasumana,Anura	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3415 \$6,250
Student Support in the Area of Atmospheric Technology	Chandrasekar,V	Electrical Engineering UCAR-NCAR-COMET Atmospheric Tech. Divis.	08/01/96- 01/31/97	3416 \$9,000
Optoelectronic Analysis	Wilmsen,Carl W	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3486 \$89,455
Optoelectronic Testing	Rocca,Jorge J G	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3487 \$51,500
Optical Storage & Processing	Mitkas,Pericles A	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3488 \$50,850
Optical Storage & Processing	Mitkas,Pericles A	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3488 \$5,000
Optical Characterization of VCSELs (Vertical Cavity Surface Emitting Lasers)	Menoni,Carmen S	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3489 \$51,500

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Optoelectronics REU	Wilmsen,Carl W	Electrical Engineering University of Colorado	05/01/96- 08/31/96	3490 \$4,820
Optoelectronics Administration	Wilmsen,Carl W	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3492 \$37,500
Microwave Detection of Exposed & Covered Surface Breaking Cracks in Steel Bridges	Zoughi,Reza Ganchev,Stoyan	Electrical Engineering Virginia Transportation Research Council	11/01/96- 10/31/98	5133 \$61,150
Soft X-ray Optics for Applications of Compact Discharge Pumped Soft X-ray Lasers	Rocca,Jorge J G	Electrical Engineering CRDF Civilian Rsrch & Dvlpmt Foundation	12/01/96- 11/30/98	5731 \$5,677
Short Pulse Laser Driven X-ray Lasers in Capillary Discharges	Rocca,Jorge J G	Electrical Engineering MBI - Max Born Institute/Germany	05/14/97- 11/13/98	5733 \$3,714
Variable Space Gratings with Flat Field Focusing	Rocca,Jorge J G	Electrical Engineering Hyperfine, Inc.	10/01/92- 06/30/98	6007 \$5,000
Two-dimensional Parallel Read-out of Optical Tape	Mitkas,Pericles A	Electrical Engineering Storage Technology Corporation	07/01/94- 06/30/98	6036 \$10,000
Phased Rf Excitation of Plasmas - Industry Match for NSF Grant	Collins,George J	Electrical Engineering Advanced Energy Industries, Inc.	05/01/95- 06/30/98	6091 \$31,338
Coherent Blue Light Source	Menoni,Carmen S	Electrical Engineering Monitor Labs, Inc.	07/01/95- 06/30/97	6114 \$5,000
Software for Integrated Network Communications Architecture	Jayasumana,Anura	Electrical Engineering Mitech Corporation	10/01/96- 09/30/97	6214 \$62,000
New Excitation Sources for Ultra High Quality Amorphous Semi Conducting Filters	Collins,George J	Electrical Engineering NEDO (New Energy/Indus. Tech. Dev. Org.)	02/01/97- 01/31/98	6227 \$21,185
Ion Implanted Surfaces for Magnetic Evaluation	Wilbur,Paul J	Mechanical Engineering CAMI-Advanced Materials Institute/Colo.	07/01/97- 06/30/98	0051 \$10,000
Impact Fatigue Study of Composite to Aluminum Joints	Radford,Donald W	Mechanical Engineering CAMI-Advanced Materials Institute/Colo.	07/01/97- 06/30/98	0052 \$10,000
Impact Fatigue Study of Composite to Aluminum Joints	Radford,Donald W	Mechanical Engineering CAMI-Advanced Materials Institute/Colo.	07/01/96- 06/30/97	0943 \$10,000
Advanced Electric Propulsion Research	Wilbur,Paul J	Mechanical Engineering NASA-Lewis Research Center	01/23/97- 11/22/97	1927 \$30,061
C60 Thruster Research	Wilbur,Paul J	Mechanical Engineering Calif. Inst. of Tech/Jet Propulsion Lab	03/01/97- 02/28/98	2705 \$50,426
CAREER: Research & Education Career Development Plan	James,Susan P	Mechanical Engineering NSF - Engineering Grant	09/01/96- 08/31/00	3025 \$200,000
High Throughput Vacuum Deposition of Thin Films	Sampath,Walajabad S	Mechanical Engineering NSF - Engineering Grant	09/01/94- 08/31/97	3037 \$10,000
Research Experiences for Undergraduates in Mechanical Engineering	James,Susan P	Mechanical Engineering NSF - Engineering Grant	02/01/96- 01/31/98	3043 \$45,763
IPA for Dr. Tong - Program Director of the Thermal Transport & Thermal Processing Program	Tong,Timothy	Mechanical Engineering National Science Foundation	09/04/96- 09/03/97	3124 \$144,360

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Graduate Research Traineeships in Environmentally Conscious Manufacturing	Smith,Frederick W	Mechanical Engineering NSF-EHR-Education & Human Resources	09/15/95- 08/31/97	3391 \$112,500
Graduate Research Traineeships in Environmentally Conscious Manufacturing	Smith,Frederick W	Mechanical Engineering NSF-EHR-Education & Human Resources	09/15/95- 08/31/98	3391 \$112,500
New Connections to Westnet - 1995	Burns,Patrick J	Mechanical Engineering NSF-CISE-Computer & Info Sci & Engin	08/15/95- 07/31/97	3504 \$6,969
The Engine in Engineering - Exposure to Current Engine Theory & Cutting Edge Research	Kirkpatrick,Allan T Willson,Bryan D	Mechanical Engineering NSF - Engineering Grant	04/01/97- 12/31/98	3508 \$12,550
Management & Coordination of Colorado State/DOE Program	Hittle,Douglas C	Mechanical Engineering US Department of Energy	06/01/96- 05/31/97	3857 \$49,809
Advanced Residential Solar Domestic Hot Water (SDHW) Systems	Hittle,Douglas C	Mechanical Engineering US Department of Energy	06/01/96- 05/31/97	3858 \$65,191
Computational Science & Visualization - An Educational Web: K-Ph.D.	Burns,Patrick J Zachmann,David W	Mechanical Engineering Lockheed Martin Energy Systems, Inc.	04/01/96- 01/31/98	3900 \$99,997
Energy Analysis & Diagnostic Center - Industrial Assessment Center	Edwards,Harry W	Mechanical Engineering University City Science Center	10/01/92- 03/31/97	3905 \$80,905
Energy Analysis & Diagnostic Center - Industrial Assessment Center - Pollution Prevention & Energy Conservation	Edwards,Harry W	Mechanical Engineering University City Science Center	10/01/92- 09/30/97	3905 \$69,845
Optimization of Natural-gas Combustion in Spark-ignited Engines through Manipulation of Intake-flow Configure...	Willson,Bryan D Mitchell,Charles E	Mechanical Engineering Midwest Research Institute - NREL	06/10/97- 06/09/98	3996 \$194,833
ASME Small Business Clearinghouse Planning Grant	Troxell,Wade O Cherian,Sunil	Mechanical Engineering American Society of Mechanical Engineers	02/15/97- 05/15/97	5159 \$7,200
Engineering Total Joint Replacement Materials to Utilize In Vivo Lubrication Mechanisms	James,Susan P	Mechanical Engineering Whitaker Foundation	01/01/97- 12/31/97	5432 \$74,780
Manufacturing Works on Denver Workforce Initiative Project	Troxell,Wade O Barsallo,Jairo D	Mechanical Engineering Piton Foundation	04/01/97- 03/31/98	5439 \$40,000
Pollution Prevention Workshop for Federal Facility Personnel	Edwards,Harry W	Mechanical Engineering Environmental Protection Agency	10/01/96- 09/30/97	5813 \$8,100
Multi-media Pollution Prevention Assessments	Edwards,Harry W	Mechanical Engineering Environmental Protection Agency	07/01/95- 12/31/97	5853 \$20,000
Large Bore Gas Technology Base	Willson,Bryan D	Mechanical Engineering GRI-Gas Research Institute	08/15/94- 03/31/97	6047 \$11,913
Development of Intake Air Tracer Technique	Puzinauskas,Paulius Willson,Bryan D	Mechanical Engineering Peugeot Sport	03/17/96- 02/28/97	6175 \$12,652
Air Toxics I Study	Willson,Bryan D	Mechanical Engineering SECOR International, Incorporated	07/01/96- 12/31/96	6194 \$237,145
Meyer Burger Machine Upgrade	Peterson,Michael	Mechanical Engineering Storage Technology Corporation	07/17/96- 08/30/97	6198 \$27,546
Automated Regular Hexahedral Mesh Generation	Sakurai,Hiroshi	Mechanical Engineering Nissan Motor Company	07/01/96- 06/30/97	6206 \$78,588

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Polymer Consultant	James,Susan P	Mechanical Engineering Bolder Technologies Corporation	09/01/96- 11/01/97	6212 \$1,060
Integrated Test Program - Toxic Emission	Willson,Bryan D	Mechanical Engineering Engenuity International Inc.	10/28/96- 06/30/98	6223 \$377,725
Windows NT Sculpting Software Development	Alciatore,David	Mechanical Engineering Visible Productions	01/01/97- 07/31/97	6231 \$16,324
Plasma Sprayed Plastics	Radford,Donald W	Mechanical Engineering Global Plastec LLC	03/01/97- 12/02/98	6235 \$25,000
Internal Geometry Acquisition Project	Alciatore,David	Mechanical Engineering Wohlers Associates	04/01/97- 07/31/97	6239 \$13,624
Re-balancing Air Distribution Systems	Hittle,Douglas C	Mechanical Engineering Eastman Kodak/Colorado Division	04/01/97- 06/30/98	6242 \$104,090
Battery Charger Design	Scheuerman,J David Troxell,Wade O	Mechanical Engineering Raymond-Lae Engineering/RLE Techn., Inc	05/27/97- 06/16/97	6249 \$4,173
Web-Enabling Technology Design	Troxell,Wade O Vos,Bud	Mechanical Engineering Encorp, Inc.	06/02/97- 09/26/97	6250 \$19,263
Sculpt Phase V - Custom Development	Alciatore,David	Mechanical Engineering Wohlers Associates	07/01/97- 09/30/97	6252 \$16,542
Syringe Force Testing	Scheuerman,J David Troxell,Wade O	Mechanical Engineering Atrix, Inc.	06/16/97- 06/20/97	6254 \$1,817
K-12 Internet Infrastructure in Colorado	Burns,Patrick J	Mechanical Engineering US West Technologies	04/01/97- 06/30/98	6256 \$497,768
Fast Response Thermocouple Program	Willson,Bryan D	Mechanical Engineering Engenuity International, Inc.	06/10/97- 06/30/98	6257 \$49,212
Code Development - Laser Isotope Separation Program	Burns,Patrick J	Mechanical Engineering U.S. Enrichment Corporation	11/01/95- 12/31/97	9314 \$29,353
Project Development - Protective Vertical Wall Padding	Fitzhorn,Patrick A	Mechanical Engineering State of Kansas	09/20/96- 01/17/97	9712 \$3,841
Mid-America Manufacturing Technology Center (MAMTC)- Product Documentation	Carlile,Craig	Mechanical Engineering State of Kansas	06/03/96- 07/30/96	9759 \$3,653
Testing Rack Tube Assembly for Welding Integrity	Radford,Donald W McIntosh,Karen J	Mechanical Engineering State of Kansas	08/26/96- 09/15/96	9760 \$2,436
Development & Documentation of Waste Strategy / Model	McIntosh,Karen J Troxell,Wade O	Mechanical Engineering State of Kansas	11/13/96- 01/31/97	9761 \$1,803
Die Cut Technologies	Troxell,Wade O Barsallo,Jairo D	Mechanical Engineering State of Kansas	09/27/96- 12/31/96	9762 \$1,364
Visiting Scientist for the COMET Satellite Meteorology Course	Kidder,Stanley O	CIRA UCAR-NCAR-COMET Atmospheric Tech. Divis.	09/01/96- 12/31/97	1102 \$3,078
Visiting Scientist for the COMET Satellite Meteorology Course	Kidder,Stanley O	CIRA UCAR-NCAR-COMET Atmospheric Tech. Divis.	09/01/96- 12/31/97	1102 \$3,078

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
UCAR Hydrometeorologist for COMET	Vonderhaar,Thomas H Kelsch,Matthew	CIRA UCAR-NCAR-COMET Atmospheric Tech. Divis.	10/01/96- 09/30/97	1110 \$27,957
Funds for Satellite Data Reception & Analysis Support	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	09/28/93- 06/30/97	1140 \$75,000
Evaluation of NEXRAD Doppler Weather Radar Algorithms & Mesoscale Analysis & Prediction (MAPS)	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	1202 \$880,435
Evaluation of NEXRAD Doppler Weather Radar Algorithms & Mesoscale Analysis & Prediction (MAPS)	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/01	1202 \$2,903,657
Evaluation of NEXRAD Doppler Weather Radar Algorithms & Mesoscale Analysis & Prediction (MAPS)	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/01	1202 \$464,110
GOES-I/M Product Assurance & Advanced Product Development for Support of the Lake Effect Snow (LES)...	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	06/19/96- 06/30/01	1203 \$16,975
GOES-I/M Product Assurance & Advanced Product Development for Support of the Lake Effect Snow (LES)...	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	06/19/96- 06/30/01	1203 \$3,500
A Multisensor Satellite Study of Upper Tropospheric Water Vapor & Clouds	Stephens,Graeme L	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	1207 \$80,000
Extended Range Prediction	Gray,William M	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	1208 \$60,000
Impact of Enhanced Cloud Condensation Nucleus Concentrations on Microphysics & Dynamics...	Feingold,Graham	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	1209 \$46,055
International Satellite Cloud Climatology Project Sector Processing Center for GOES	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 12/31/96	1210 \$145,000
International Satellite Cloud Climatology Project Sector Processing Center for GOES	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/01	1210 \$155,000
CIRA Activities & Participation in DMSP Satellite Processing & Analysis	Vonderhaar,Thomas H Eis,Kenneth E	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 09/30/97	1211 \$200,009
GOES-I/M Product Assurance & Advanced Product Development-Demonstration Project	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	1212 \$4,360
Temperature, Precipitation & Wind Continuity with Automated Surface Observing System-ASOS	McKee,Thomas B Doesken,Nolan J	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	10/01/96- 09/30/97	1213 \$92,046
Effective Communication & Utilization of National Weather Service Critical Hydrometeorology...	Adams,Christopher R Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	10/01/96- 09/30/97	1214 \$156,530
Hydrologic Forecasting System Evaluation & Development Support	Johnson,Lynn	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	1215 \$73,408
NPOESS Earth Radiation Budget Experiment Study	Campbell,G Garrett Randel,David L	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	08/01/96- 02/28/97	1216 \$30,000
GOES-I/M Product Assurance & Advanced Product Development for Support of the Lake Effect Snow...	Vonderhaar,Thomas H Purdom,James F	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	06/01/96- 06/30/01	1217 \$16,975
GOES-I/M Product Assurance & Advanced Product Development for Support of the FIRSTT...	Vonderhaar,Thomas H Purdom,James F	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 09/30/00	1218 \$58,048

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
GOES-I/M Product Assurance & Advanced Product Development for Support of the FIRSST...	Vonderhaar,Thomas H Purdom,James F	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/01	1218 \$247,000
GOES-I/M Product Assurance & Advance Product Development for the Demonstration Project	Vonderhaar,Thomas H Purdom,James F	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 09/30/96	1219 \$15,000
Very High Resolution Gridded Meteorological Forecast Development	Vonderhaar,Thomas H Browning,Gerald L	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	1220 \$104,677
Severe Weather Research	Vonderhaar,Thomas H Purdom,James F	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/01	1221 \$190,000
Study of Large-scale Motions, Boundary Layer Processes & Convective Parameterizations	Johnson,Richard H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	02/11/97- 06/30/01	1222 \$110,000
Influence of the Tropical Western Pacific on Climate Dynamics	Schubert,Wayne H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	02/11/97- 06/30/01	1223 \$100,000
Simulations of the Interaction between Deep Convection & the Ocean Mixed Layer...	Cotton,William R Pielke,Roger A	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	02/11/97- 06/30/01	1224 \$90,000
CIRA Activities & Participation in the GOES I-M Product Assurance Plan	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	10/01/96- 09/30/97	1225 \$454,000
Further Analysis of the Shipboard Radar Data from COARE: Rainfall, Convective Organization	Rutledge,Steven A	CIRA DOC-NOAA-NWS-National Weather Service	10/01/96- 09/30/00	1226 \$247,000
Further Analysis of the Shipboard Radar Data from COARE: Rainfall, Convective Organization	Rutledge,Steven A	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	05/23/97- 05/22/98	1226 \$110,000
Satellite Data Reception & Analysis Support	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	10/01/96- 09/30/97	1227 \$75,000
Intergovernmental Personnel Act (IPA) - Christopher Adams	Adams,Christopher R	CIRA DOC-NOAA-NWS-National Weather Service	10/01/94- 09/30/96	1296 \$10,000
Analysis of Aerosol & Light Scattering Data from SEAVS Experiment	Kreidenweis,Sonia M	CIRA DOI-NPS-National Park Service	09/17/96- 06/30/97	1756 \$97,580
A Comprehensive Accounting of Absorption & Scattering by Atmospheric Carbon	Kreidenweis,Sonia M Fuller,Kirk A	CIRA DOI-NPS-National Park Service	09/17/96- 06/30/97	1757 \$56,918
Assistance for Image Display Techniques & Data Analysis	Eis,Kenneth E	CIRA DOI-NPS-National Park Service	09/17/96- 06/30/97	1759 \$514,674
Statistical Analyses Related to Air Quality & Atmospheric Visibility	Iyer,Hariharan K	CIRA DOI-NPS-National Park Service	09/17/96- 06/30/97	1763 \$55,178
Study of the Role of Clouds in the Relationship between Land Use/Land Cover & the Climate & Air Quality...	Kidder,Stanley O	CIRA NASA-Marshall Space Center	11/21/96- 11/20/97	1936 \$56,998
Development of an Ocean Model Based upon the Reduced System of Equations	Vonderhaar,Thomas H	CIRA DOD-NAVY-ONR-Office of Naval Research	10/01/91- 09/30/97	2413 \$208,672
Detection of Lower Tropospheric Aerosols & Cloud Parameters from GLI Sensor Data	Vonderhaar,Thomas H	CIRA NASDA-Nat. Space Dev. Agency of Japan	01/08/97- 12/31/98	5150 \$32,000
A Physical Approach to Derive Integrated Water Vapor & Cloud Liquid Water from AMSR Measurement	Vonderhaar,Thomas H	CIRA NASDA-Nat. Space Dev. Agency of Japan	01/08/97- 12/31/98	5151 \$33,000

College: Natural Resources - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
International Forestry Seminar	Meiman,James R	Dean of Natural Resources USDA-USFS-Forest Research	03/18/96- 12/30/00	8758 \$40,000
13th International Seminar on Forest & Natural Resources Administration & Management	Meiman,James R	Dean of Natural Resources USDA-USFS-Forest Research	01/01/97- 12/31/97	8846 \$121,893
ARC Information on South Platte Basin - Fish/Boreal Toad	Dean,Denis J	Forest Sciences Colorado Division of Wildlife	12/18/96- 11/30/97	0011 \$18,402
Landsat TM Data for Vegetation Type Mapping of the South Platte Watershed	Hoffer,Roger M	Forest Sciences Colorado Division of Wildlife	05/15/95- 10/31/96	0783 \$10,000
Stream Habitat Study with Remote Sensing & Geographical Information Systems (GIS)	Hoffer,Roger M	Forest Sciences Colorado Division of Wildlife	01/01/97- 06/30/97	0885 \$18,827
Great Outdoors Colorado Programs (GOCO) - County Land Use Planning	Dean,Denis J	Forest Sciences Colorado Division of Wildlife	09/01/96- 08/31/97	0977 \$22,048
Building an Interactive Map Composition System on the World Wide Web	Dean,Denis J	Forest Sciences CATI-Colo. Advanced Technology Institute	10/24/96- 03/01/97	0993 \$8,550
Peer Review of Vegetation Management Goals for Rocky Mountain National Park	Berry,Joyce K	Forest Sciences DOI-NPS-National Park Service	10/01/96- 10/01/97	1782 \$15,000
Peer Review of Vegetation Management Goals for Rocky Mountain National Park	Berry,Joyce K	Forest Sciences DOI-NPS-National Park Service	05/01/97- 05/01/98	1782 \$8,000
Development of an Aspen Monitoring Plan for Rocky Mountain National Park	Stohlgren,Thomas J Binkley,Daniel E	Forest Sciences DOI-NPS-National Park Service	05/01/97- 03/01/98	1875 \$10,000
Land Condition Trend Analysis (LCTA)Technical Support for the Army Environmental Center	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	07/12/96- 01/15/97	2317 \$71,939
Land Condition Trend Analysis (LCTA)Technical Support for the Army Environmental Center	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	07/12/96- 03/15/97	2317 \$23,967
Land Condition Trend Analysis (LCTA) Field Support at Fort Huachuca, Arizona	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	07/31/96- 11/30/96	2320 \$74,153
Ecosystem Wildland Fire Management Plan Fire Fuels Type Vegetation Map of U.S. Army Lands	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	07/26/96- 04/30/97	2321 \$24,731
Integrated Training Area Management (ITAM) Program, Forestry, & Landscape Management for Headquarters, U.S	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/03/96- 11/20/97	2323 \$90,221
Integrated Training Area Management (ITAM) & Geographical Information Systems (GIS) Support at Fort Stewart, Georgia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 09/30/97	2324 \$49,592
Integrated Training Area Management (ITAM) Program for DPTMS/Range Division at Fort Lewis, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/03/96- 09/30/97	2325 \$62,670
Wildlife Management Program Support for Yakima Training Center, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/12/96- 03/11/97	2326 \$62,776
Legacy Resources Management Assistance	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 07/08/97	2330 \$98,324
Timber Inventory & Vegetation Management Assessment at Fort Lee, Virginia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 05/31/97	2331 \$54,241

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Intermittent, Arroyo, & Riparian Habitat for Fort Bliss, Texas	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 09/30/97	2332 \$209,133
Land Condition Trend Analysis Technical (LCTA) Support for Fort Huachuca, Arizona	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 04/14/97	2333 \$29,464
Land Condition Trend Analysis (LCTA) Technical Support at Fort Gordon, Georgia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 09/30/97	2334 \$52,859
Forest Inventory & Management of Gypsy Moth, Old Growth Timber & High Value Timber, Fort A.P. Hill	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 10/14/97	2335 \$66,057
Endangered Species Management Plan for Fort Bliss, Texas	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 11/30/97	2336 \$171,308
Rare, Threatened, & Endangered Mammal & Bird Survey & Mapping for Holston Army Ammunitions Plant...	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 11/01/97	2337 \$38,897
Integrated Training Area Management (ITAM) Operations & Environmental Support for U.S. Army	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	11/08/96- 11/07/97	2338 \$98,332
Integrated Training Area Management (ITAM) Program Support for Fort Drum, New York	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/27/97- 05/26/98	2342 \$63,228
Integrated Training Area Management (ITAM) Wildlife Management Program Support for Yakima Training Center	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	02/10/97- 02/09/98	2343 \$142,599
Wildlife Management Program Support for the Air Defense Training Center, Fort Bliss, Texas	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	04/22/97- 10/24/97	2348 \$25,752
Land Condition Trend Analysis (LCTA) Support for Fort Huachuca, Arizona	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/05/97- 05/04/98	2349 \$65,562
Technical Assistance to the U.S. Army Environmental Center in Supporting Regional Offices	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	04/30/97- 11/26/97	2350 \$408,641
Land Condition Trend Analysis (LCTA) Support for Field Crew at Fort Stewart, Georgia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/05/97- 10/03/97	2351 \$55,928
Integrated Training Area Management (ITAM) Support for Fort Stewart, Georgia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/01/97- 06/30/98	2353 \$65,781
Land Condition Trend Analysis (LCTA) Support for Fort Stewart, Georgia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/01/97- 06/30/98	2354 \$50,503
Integrated Training Area Management (ITAM) for Fort Carson & Pinon Canyon Maneuver Site, Colorado	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/07/97- 06/29/98	2355 \$65,917
Land Condition Trend Analysis (LCTA) Support for Fort A.P. Hill, Virginia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/07/97- 07/31/98	2356 \$50,712
Integrated Training Area Management (ITAM) Support for Fort Lewis, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/07/97- 09/07/98	2357 \$65,917
Integrated Training Area Management (ITAM) for Geographic Information System (GIS) Support at Fort Stewart, Georgia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/07/97- 09/28/98	2358 \$51,030
Land Rehabilitation & Maintenance Support for Yakima Training Center, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/07/97- 06/22/98	2359 \$50,712

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Land Rehabilitation & Maintenance Support for Yakima Training Center, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/07/97- 06/22/98	2359 \$2,300
Land Condition Trend Analysis (LCTA) Support for Fort Drum, New York	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/12/97- 01/05/98	2360 \$92,273
LCTA Support for the US Army Environmental Center, Aberdeen Proving Ground, Maryland	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/19/97- 09/19/97	2361 \$32,415
Land Condition Trend Analysis (LCTA) Field Support for Fort A.P. Hill, Virginia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/19/97- 09/19/97	2362 \$33,662
Endangered Species Management Program Support, Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/27/97- 11/26/97	2363 \$52,293
Land Condition Trend Analysis (LCTA) Support for Fort Leonard Wood, Missouri	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/16/97- 06/15/98	2365 \$71,917
Land Condition Trend Analysis (LCTA) Support for Fort Drum, New York	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/30/97- 06/29/98	2366 \$65,917
Land Condition Trend Analysis (LCTA) Support for Aberdeen Proving Ground, Maryland	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/30/97- 06/29/98	2367 \$65,917
Geographic Information System (GIS) Support for Fort Drum, New York	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/30/97- 06/29/98	2368 \$101,324
Wildlife Management Program Support for Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/09/97- 12/08/97	2369 \$30,708
ITAM Tracked Vehicle Impact Modeling & Field Support, Yakima Training Center, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/11/97- 03/10/98	2370 \$99,876
Support & Integrate Ongoing Research - Vegetation Mapping, Adaptive Land Management & Carrying Capacity Programs	Shaw,Robert B	Forest Sciences DOD-ARMY-CERL-Const. Engineer. Res. Lab.	06/11/97- 01/30/98	2371 \$41,789
Geographic Information System (GIS) Support for the U.S. Military Academy at West Point, New York	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	12/22/97- 12/21/98	2372 \$51,114
Integrated Training Area Management (ITAM) for the U.S. Military Academy, West Point, New York	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/18/97- 06/29/98	2374 \$73,626
Integrated Training Area Management (ITAM) Program LCTA Field Support for Marine Corps Base, Quantico, VI	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/17/97- 09/13/97	2375 \$11,475
Integrated Training Area Management (ITAM) Support for Fort Dix, New Jersey	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	07/01/97- 06/30/98	2376 \$64,605
Environmental Support for Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/10/97- 11/19/97	2400 \$18,311
Intergovernmental Personnel Act for Sheila Mochel	Shaw,Robert B	Forest Sciences DOD-ARMY-CERL-Const. Engineer. Res. Lab.	10/01/96- 02/18/97	2440 \$6,683
Integrated Training Area Management (ITAM) Program Support for Fort Leonard Wood, Missouri	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/26/95- 06/13/97	2579 \$1,500
U.S. Army Regional Environmental Offices Support	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/27/95- 01/31/97	2584 \$20,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
U.S. Army Regional Environmental Offices Support	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/27/95- 05/31/97	2584 \$9,500
Plant Species Inventory Lamination for Camp Robinson, Arkansas	Shaw,Robert B	Forest Sciences Arkansas Natural Heritage Commission	12/31/96- 09/30/97	2619 \$13,782
Technical Assistance in the Integrated Training Area Management (ITAM) Program - State of Idaho	Shaw,Robert B	Forest Sciences State of Idaho	07/01/97- 03/31/98	2623 \$40,000
Technical Assistance in the Integrated Training Area Management (ITAM) Program - State of Idaho	Shaw,Robert B	Forest Sciences State of Idaho	07/01/97- 04/30/98	2624 \$30,000
Abiotic & Biotic Controls on Upper & Lower Timberline & Intermediate Ecotones	Binkley,Daniel E	Forest Sciences DOI-NPS-National Park Service	05/01/93- 04/01/98	2872 \$18,000
Presidential Faculty Fellows Grant	Burke,Ingrid C	Forest Sciences National Science Foundation	09/01/94- 02/28/99	3041 \$100,000
Research Experience for Undergraduates - Presidential Faculty Fellow Award	Burke,Ingrid C	Forest Sciences NSF-Biological Centers	09/01/93- 02/28/98	3072 \$5,000
Evaluating Environmental Restrictions on Timber Harvesting	Rideout,Douglas B Dean,Denis J	Forest Sciences National Council Air Stream Improvement	04/01/94- 12/31/96	5557 \$15,000
Response of Rocky Mountain Conifers to Disturbance	Smith,Frederick W	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	08/21/96- 03/30/98	8704 \$15,000
Development of a Simulation Model for Predicting the Response of Central Rocky Mountains Forest Ecosystems...	Binkley,Daniel E	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/01/93- 12/31/96	8731 \$18,000
Development of a Simulation Model for Predicting the Response of Central Rocky Mountains Forest Ecosystems...	Binkley,Daniel E	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/01/93- 06/30/97	8731 \$6,000
Development of a Simulation Model for Predicting the Response of Central Rocky Mountains Forest Ecosystems...	Binkley,Daniel E	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/01/93- 06/30/97	8731 \$1,000
Effect of Thinning & Prescribed Burning on the Severity of Wildfires in Ponderosa Forests	Omi,Philip N	Forest Sciences USDA-USFS-Forest Research	05/22/95- 12/31/97	8766 \$8,000
Water Quality & Ecosystem Studies in Northwest Alaska	Binkley,Daniel E	Forest Sciences USDA-USFS-Forest Research	07/10/96- 11/30/00	8788 \$30,000
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$5,400
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$1,632
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$2,835
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$4,410
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$3,213
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$5,400

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$1,503
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$10,999
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$910
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$7,628
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$6,750
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$1,283
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$4,726
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$9,198
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$3,676
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$6,750
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$1,621
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$1,622
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$11,859
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$1,350
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$3,375
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$2,118
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$4,293
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$4,656
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$67,500
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$8,235

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Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$34,781
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$73,043
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$6,750
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$7,518
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$13,500
Cultural Resources Management Support for Eglin Air Force Base, Florida	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8918 \$80,325
Integrated Training Area Management (ITAM) Program Support for U.S. Army Alaska	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8926 \$382,500
Integrated Training Area Management (ITAM) Program- Field Crew Support for 1997 at Ft. McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8943 \$30,600
Exotic Plant Species Management at Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8944 \$9,249
Environmental Surveys for the Resource Conservation & Recovery Act at Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8945 \$16,065
Land Condition Trend Analysis (LCTA) Data Collection at Camp Guernsey, Wyoming	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8946 \$24,986
GIS Development of Bird Air Strike Hazard & Natural Resource Management at Elmendorf Air Force Base...	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8947 \$18,207
Land Condition Trend Analysis (LCTA) & Water Quality Monitoring at Fort Stewart, Georgia	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/15/95- 06/30/00	8948 \$30,600
Land Condition Trend Analysis (LCTA) - Small Mammal Trapping at Camp Atterbury, Indiana	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8949 \$13,527
Integrated Training Area Management (ITAM) for U.S. Army, Pacific - Fort Shafter, Hawaii	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8950 \$62,329
Publishing Balduina Atropurpurea Research Results	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8951 \$5,151
Geographic Information System (GIS) Support at Hawaii Army Garrison, Hawaii	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8957 \$43,229
Grassland Bird Surveys & Management Project Coordinator at Fort Drum, New York	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8958 \$38,250
Wildlife Surveys at Fort Drum, New York	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8959 \$7,267
Grassland Bird Surveys & Management Field Support at Fort Drum, New York	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8960 \$26,774

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Land Rehabilitation & Maintenance Program Coordinator at Fort Drum, New York	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8961 \$52,123
Bird & Small Mammal Surveys at Lander, Lovell, & Sheridan Local Training Areas, Wyoming	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8962 \$20,624
Bird & Small Mammal Surveys at Lander, Lovell, & Sheridan Local Training Areas, Wyoming	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8962 \$207
Land Condition Trend Analysis (LCTA) Support at Fort Bragg, North Carolina	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8963 \$38,250
Historic Properties Survey of U.S. Army Reserve Command Training Facilities in Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8964 \$9,194
Historic Properties Survey of U.S. Army Reserve Command Training Facilities in Illinois	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8965 \$9,193
Historic Properties Survey of U.S. Army Reserve Command Facilities in the State of Ohio	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8966 \$67,202
Integrated Natural Resources Management Plan for Kingbury Local Training Area	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8967 \$7,650
Forest Vegetation Surveys on Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8968 \$19,125
Update of Camp Guernsey Map & Production of Soldier Field Card	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8970 \$12,000
Development & Production of Air Operations Map for Camp Guernsey, Wyoming	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8971 \$24,327
Floristic Survey of Sheridan Local Training Area, Wyoming	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8972 \$26,390
Integrated Training Area Management (ITAM) Program Support for Land Condition Trend Analysis (LCTA) at Ft. Benning	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8975 \$46,665
Ecological Management & Restoration on Eglin Air Force Base, Florida	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8977 \$114,750
Exotic Plant Species Management on Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8978 \$2,022
Cultural Resource Management & Archeological Site Protection at Eglin Air Force Base...	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8979 \$76,500
Analysis of Golden-Creeked Warbler Census Data for Fort Hood, Texas	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8980 \$23,165
Forest Management Support at Fort Campbell, Kentucky	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8981 \$45,900
Land Condition Trend Analysis (LCTA) Support for Marine Corps Base Quantico in Virginia	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8982 \$34,425
FY97 Archaeological Phase I Surveys on Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8983 \$61,200

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
FY97 Archaeological Phase II Surveys on Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8984 \$38,250
Development of USARC Joliet Training Area Integrated Cultural Resources Management Plan	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8985 \$44,370
FY97 Archaeological Phase II Homestead Documentation on Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8986 \$4,590
Support for the Coordinator for the Integrated Training Area Management (ITAM) Program	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8987 \$10,710
Fort Campbell Vetiver Pilot Testing	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8988 \$29,663
Geographical Information Systems (GIS) Support for the Endangered Species Management Program at Ft. Stewart, GA	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8989 \$45,135
Continuation of Ecological Management & Restoration on Eglin Air Force Base, Florida	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8990 \$38,250
Missouri Army National Guard Endangered Species Management Plans	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8991 \$42,609
U.S. Army Europe Computer Aided Drafting & Design Land Management Plans	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8992 \$76,500
Upper South Platte River Basin - Classification of Riparian Areas	Pague,Christopher A	Fishery & Wildlife Biology Colorado Department of Natural Resources	12/10/96- 09/30/98	0014 \$75,000
Summit County Wetlands/ Riparian Area Inventory	Pague,Christopher A	Fishery & Wildlife Biology Colorado Department of Natural Resources	12/10/96- 09/30/98	0015 \$34,000
Bioenergetics	Johnson,Brett M	Fishery & Wildlife Biology Colorado Division of Wildlife	12/20/96- 06/30/97	0017 \$20,084
Morphological Description of Rio Grande Sucker Larvae & Early Juveniles & Comparison with the White Sucker...	Snyder,Darrel E	Fishery & Wildlife Biology Colorado Division of Wildlife	01/01/97- 06/30/97	0024 \$4,941
GOCO III - Documenting the Status of Colorado's Rarest Animals & to Identify High Priority Areas for the Conserv...	Given,William	Fishery & Wildlife Biology Colorado Division of Wildlife	07/01/96- 06/30/97	0032 \$270,000
Wildlife Damage Control	Andelt,William F	Fishery & Wildlife Biology Colorado Division of Wildlife	07/01/96- 06/30/97	0669 \$85,599
Summitville Mine Site CERCLA Investigation: Livestock & Waterfowl Risk Management	Allredge,A William Ramsdell,Howard S	Fishery & Wildlife Biology Colorado Dept Public Health & Environ	06/30/95- 03/31/97	0812 \$74,489
Arkansas Darter Recovery: Defining Habitat Requirements & the Spatial Dynamics of Populations...	Fausch,Kurt D	Fishery & Wildlife Biology Colorado Division of Wildlife	06/01/96- 06/30/97	0918 \$11,000
Developing Tools to Predict Persistence of Extent & Reintroduced Colorado River Cutthroat Trout	Fausch,Kurt D	Fishery & Wildlife Biology Colorado Division of Wildlife	07/01/96- 06/30/97	0932 \$23,000
Piceance - Design & Analysis of Systems to Estimate Elk Abundance & Survival	White,Gary C	Fishery & Wildlife Biology Colorado Division of Wildlife	07/01/96- 06/30/97	0939 \$81,000
Development of New Information & Education Products / Collaborational Research	Covich,Alan P	Fishery & Wildlife Biology Colorado Division of Wildlife	07/01/96- 06/30/97	0953 \$52,278

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Developing a Classification of Colorado Wetlands for Use in Functional Evaluation	Cooper,David J	Fishery & Wildlife Biology Colorado Department of Natural Resources	07/10/96- 06/30/97	0957 \$42,508
Developing a Classification of Colorado Wetlands for Use in Functional Evaluation	Cooper,David J	Fishery & Wildlife Biology Colorado Department of Natural Resources	07/10/96- 04/30/98	0957 \$20,000
Use of Tiger Muskie in Colorado	Flickinger,Stephen A	Fishery & Wildlife Biology Colorado Division of Wildlife	07/01/96- 06/30/97	0963 \$23,500
Fish & Invertebrate Biomass Estimates using Hydroacoustics	Johnson,Brett M	Fishery & Wildlife Biology Colorado Division of Wildlife	07/01/96- 12/31/96	0966 \$11,390
Lab Analysis to Determine the Extent of Whirling Disease in Colorado	Flickinger,Stephen A	Fishery & Wildlife Biology Colorado Division of Wildlife	10/16/96- 06/30/97	0989 \$11,000
Face to Face with Wildlife	Covich,Alan P	Fishery & Wildlife Biology Colorado Division of Wildlife	10/15/96- 06/30/97	0990 \$37,313
Validation of Razorback Sucker Daily Otolith Increments	Bestgen,Kevin R	Fishery & Wildlife Biology DOI-Bureau of Reclamation	06/21/96- 09/30/97	1738 \$12,000
Biological & Chemical Monitoring of Soda Butte Creek, Montana: Study on the Influence of Metal Contaminated...	Flickinger,Stephen A Nimmo,Del Wayne R	Fishery & Wildlife Biology DOI-National Biological Survey	07/01/96- 09/30/96	1742 \$15,000
Regional Assessment of Freshwater Ecosystems & Climate	Covich,Alan P	Fishery & Wildlife Biology DOI-USGS-Geological Survey	03/21/95- 06/30/95	1771 \$2,450
Foraging Behavior & Population Dynamics of the Beaver in Regulated & Unregulated...	Wilson,Kenneth R	Fishery & Wildlife Biology DOI-National Biological Survey	09/15/96- 01/31/98	1787 \$44,711
Levee Removal & Floodplain Connectivity Evaluation in the Green River, Utah	Muth,Robert T	Fishery & Wildlife Biology DOI-Bureau of Reclamation	03/01/96- 09/30/99	1788 \$68,350
Initial Implementation of a Monitoring Programs for Evaluation of Restoration Activities.	Muth,Robert T	Fishery & Wildlife Biology DOI-Bureau of Reclamation	03/01/96- 09/30/99	1793 \$43,000
Development of a Monitoring Program for Juvenile Colorado Squawfish in the Colorado River Inflow of Lake Powell...	Muth,Robert T	Fishery & Wildlife Biology DOI-NPS-National Park Service	09/01/95- 09/01/96	1799 \$5,974
Larval Fish Laboratory Involvement in Implementing Recovery Actions for the Endangered...	Muth,Robert T	Fishery & Wildlife Biology DOI-Bureau of Reclamation	10/01/89- 09/30/01	1845 \$92,100
Effects of Winter & Spring Flows on Colorado Squawfish	Beyers,Daniel W Bestgen,Kevin R	Fishery & Wildlife Biology DOI-Bureau of Reclamation	10/01/94- 09/30/97	1846 \$4,000
Flaming Gorge Studies: Technical Integration & Synthesis	Muth,Robert T	Fishery & Wildlife Biology DOI-Bureau of Reclamation	10/01/94- 09/30/98	1847 \$50,000
Effects of Four Electrofishing Currents on Captive Subadult Colorado Squawfish	Muth,Robert T	Fishery & Wildlife Biology DOI-Bureau of Reclamation	08/26/96- 09/30/98	1848 \$18,000
Results of Scientific Investigations in Peer-reviewed Journals	Muth,Robert T	Fishery & Wildlife Biology DOI-Bureau of Reclamation	09/30/96- 09/30/98	1850 \$3,000
Assessment of Drifting Larval Fishes in the Yampa & Green Rivers	Muth,Robert T Bestgen,Kevin R	Fishery & Wildlife Biology DOI-Bureau of Reclamation	10/01/89- 09/30/97	1871 \$18,900
Riparian Vegetation Research: 1997 Flaming Gorge Bypass Flow on the Green River	Cooper,David Jonathan	Fishery & Wildlife Biology DOI-Bureau of Reclamation	05/15/97- 04/30/98	1879 \$34,615

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Duchesne River, Utah: Assessment & Refinement of Instream Flow Needs	Muth,Robert T Bestgen,Kevin R	Fishery & Wildlife Biology DOI-Bureau of Reclamation	06/01/97- 09/30/01	1883 \$7,600
Non-lethal Methods for Reducing Conflicts with Rodents	Andelt,William F	Fishery & Wildlife Biology USDA-APHIS-Ag & Plant Health Insp Srvc	08/19/96- 08/18/97	2086 \$22,946
Effects of Commercial Agriculture Stickers, Surfactants, & Extenders on Residue Retention	Andelt,William F	Fishery & Wildlife Biology USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2098 \$3,300
Ecological Effects of Reservoir Operations on Blue Mesa Reservoir	Johnson,Brett M	Fishery & Wildlife Biology DOI-Bureau of Reclamation	04/22/93- 12/31/97	2842 \$50,000
Flaming Gorge Studies: Annual Assessment of Mainstem Razorback Sucker Production	Muth,Robert T Snyder,Darrel E	Fishery & Wildlife Biology DOI-Bureau of Reclamation	10/01/92- 09/30/97	2852 \$5,000
Structural & Functional Roles of Course Wood Debris in Tropical Stream-Riparian-Upslope Forest Systems	Covich,Alan P	Fishery & Wildlife Biology NSF-Biological Centers	08/01/93- 01/31/99	3030 \$50,000
United States - New Zealand Cooperative Research: A Review of Salmonid Invasions Worldwide	Fausch,Kurt D	Fishery & Wildlife Biology NSF-SBE-Social, Behav & Econ Sciences	09/15/96- 08/31/97	3102 \$2,690
United States - New Zealand Cooperative Research: A Review of Salmonid Invasions Worldwide	Fausch,Kurt D	Fishery & Wildlife Biology NSF-SBE-Social, Behav & Econ Sciences	09/15/96- 08/31/97	3102 \$3,160
Long-term Ecological Research - Luquillo Experimental Forest	Covich,Alan P	Fishery & Wildlife Biology University of Puerto Rico	10/15/94- 10/14/97	3464 \$19,024
Colorado State-wide Riparian Inventory & Classification	Pague,Christopher A	Fishery & Wildlife Biology DOI-Bureau of Reclamation	08/09/95- 09/30/97	4156 \$10,000
Temporal Study of Aquatic Invertebrates in Three Backwater Habitats on the Lower Green River	Snyder,Darrel E Muth,Robert T	Fishery & Wildlife Biology DOI-National Biological Survey	06/15/97- 09/30/97	4192 \$30,000
Denver Water Board Inventory	Pague,Christopher A	Fishery & Wildlife Biology Denver Board of Water Commissioners	07/01/96- 12/31/96	5111 \$17,170
Earthwatch Inventory of the Endangered Uncompahgre Fritillary Butterfly	Pague,Christopher A	Fishery & Wildlife Biology Earthwatch, Inc.	06/11/96- 10/09/96	5120 \$11,080
Jefferson County Preble's Meadow Jumping Mouse Inventory	Pague,Christopher A	Fishery & Wildlife Biology Jefferson County, Colorado	07/01/96- 12/31/96	5124 \$4,400
Jefferson County Preble's Meadow Jumping Mouse Inventory	Pague,Christopher A	Fishery & Wildlife Biology Jefferson County, Colorado	07/01/96- 12/31/96	5124 \$19,783
Roaring Fork - A Natural Heritage Inventory	Pague,Christopher A	Fishery & Wildlife Biology Pitkin County, Colorado	07/01/96- 12/31/97	5125 \$29,000
Summit County's Tonn Ranch Inventory	Pague,Christopher A	Fishery & Wildlife Biology Summit County Colorado	06/03/96- 10/01/96	5126 \$1,489
Table Mountain Ecological Evaluation	Pague,Christopher A	Fishery & Wildlife Biology Boulder County, Colorado	04/18/96- 09/30/96	5128 \$900
Summit County Inventory	Pague,Christopher A	Fishery & Wildlife Biology Summit County Colorado	07/01/96- 12/31/97	5141 \$58,144
Denver Water Board Cash Contribution	Pague,Christopher A	Fishery & Wildlife Biology Denver Water Department	09/01/96- 08/31/97	5144 \$4,500

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Preble's Meadow Jumping Mouse Habitat Assessment & Mitigation Support	Pague,Christopher A	Fishery & Wildlife Biology City of Colorado Springs	05/20/97- 05/19/98	5167 \$15,000
Preble's Meadow Jumping Mouse Habitat Assessment & Mitigation Support	Pague,Christopher A	Fishery & Wildlife Biology City of Colorado Springs	05/20/97- 05/19/98	5168 \$15,000
Boulder Lepidoptera - The Distribution of Rare Butterflies throughout the Boulder Open Space & Mountain Park System	Pague,Christopher A	Fishery & Wildlife Biology City of Boulder	05/01/97- 12/31/97	5170 \$4,000
Historical Search on Cryptantha Aperta	Pague,Christopher A	Fishery & Wildlife Biology The Nature Conservancy	06/01/97- 12/13/97	5172 \$5,326
Effects of Fire Disturbance on Watersheds in Bandelier National Monument	Clements,William H	Fishery & Wildlife Biology Southwest Parks & Monuments Association	04/01/97- 03/31/98	5173 \$5,640
Response of Elk to Prescribed Fire	Alldredge,A William	Fishery & Wildlife Biology Rocky Mountain Elk Foundation	10/01/96- 03/31/97	5287 \$7,500
Blue Mountain Elk Study	Alldredge,A William	Fishery & Wildlife Biology Rocky Mountain Elk Foundation	09/01/96- 12/31/97	5298 \$18,800
Natural Heritage Investigations	Pague,Christopher A	Fishery & Wildlife Biology The Nature Conservancy	11/27/95- 12/31/97	5347 \$295,269
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 6)	Clements,William H	Fishery & Wildlife Biology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7729 \$81,286
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 6)	Clements,William H	Fishery & Wildlife Biology HHS-PHS-Superfund Hazardous Substances	04/01/97- 03/31/98	7757 \$128,522
Biodiversity of the Jemez Mountains	Wilson,Kenneth R	Fishery & Wildlife Biology USDA-USFS-Rocky Mtn. Experiment Station	09/05/96- 09/30/97	8708 \$42,816
Developing Incidence functions for Colorado River Cutthroat Trout: Determining the Risk	Fausch,Kurt D	Fishery & Wildlife Biology USDA-USFS-Rocky Mtn. Experiment Station	05/02/95- 09/30/98	8755 \$12,930
Comparative Studies of Riparian Leaf Litter Inputs & Decomposition	Covich,Alan P	Fishery & Wildlife Biology US Department of Agriculture	07/11/96- 06/30/97	8786 \$10,000
Evaluation of Northern Goshawk Research Needs at Ashley National Forest	Kennedy,Patricia L	Fishery & Wildlife Biology USDA-USFS-Forest Research	09/01/95- 12/31/98	8787 \$17,700
Evaluation of Northern Goshawk Research Needs at Ashley National Forest	Kennedy,Patricia L	Fishery & Wildlife Biology USDA-USFS-Forest Research	09/01/95- 12/31/98	8787 \$10,000
Predicting Risk of Extinction of Greenback Cutthroat Trout	Fausch,Kurt D	Fishery & Wildlife Biology USDA-USFS-Forest Research	07/15/96- 12/31/97	8793 \$2,450
Database Development & Analysis for Avian & Mammalian Point & Line Transect Data	Kennedy,Patricia L	Fishery & Wildlife Biology Univ. California-Los Alamos National Lab	07/14/95- 10/30/97	9309 \$14,807
A Test of a Habitat Evaluation Procedure for Rocky Mountain Bighorn Sheep	Swift,David M	Rangeland Ecosystem Science Colorado Division of Wildlife	01/01/97- 06/30/97	0040 \$12,760
Habitat Assessment Project using Geographical Information Systems (GIS) Technology	Roath,L Roy	Rangeland Ecosystem Science Colorado Division of Wildlife	06/01/97- 05/30/98	0067 \$35,523
Reclamation Plan for Summitville Super-fund Site	Redente,Edward F	Rangeland Ecosystem Science Colorado Dept Public Health & Environ	06/01/95- 04/30/98	0796 \$24,906

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Reclamation Plan for Summitville Super-fund Site	Redente,Edward F	Rangeland Ecosystem Science Colorado Dept Public Health & Environ	06/01/95- 04/30/98	0796 \$75,401
Invasion of Rangeland by Aggressive Perennial Weeds: Ecology & Management	Coffin,Debra P	Rangeland Ecosystem Science USDA-CSRS-CGP-Competitive Grants Program	09/01/96- 08/31/99	1417 \$119,619
Grazing Effects on Runoff & Erosion in a Riparian Ecosystem	Trlica,Milton J Jr Leininger,Wayne C	Rangeland Ecosystem Science USDA-CSRS-Coop. States Research Service	09/01/96- 08/31/98	1419 \$79,999
Range Analysis - Dinosaur National Monument	Trlica,Milton J Jr	Rangeland Ecosystem Science DOI-NPS-National Park Service	05/01/96- 09/01/97	1726 \$1,000
Agricultural Research Internships for Early Career South African Scientists	Child,Dennis R	Rangeland Ecosystem Science USDA-ARS-Agricultural Research Service	09/30/96- 09/29/01	2087 \$100,000
Erosional Soil Loss & Its Effects on Rangeland Health & Productivity	Child,Dennis R	Rangeland Ecosystem Science USDA-ARS-Agricultural Research Service	06/18/97- 04/15/02	2102 \$125,000
Hydrologic Assessment of Rangelands using Rainfall Simulation	Child,Dennis R Trlica,Milton J Jr	Rangeland Ecosystem Science USDA-ARS-Agricultural Research Service	09/24/92- 09/23/97	2111 \$50,000
Cooperative Work / Education Agreement for Rebecca Addington	Redente,Edward F	Rangeland Ecosystem Science DOD-ARMY-CERL-Const. Engineer. Res. Lab.	10/01/96- 09/30/97	2339 \$16,160
Cooperative Work / Education Agreement for Michael Meyer	Redente,Edward F	Rangeland Ecosystem Science DOD-ARMY-CERL-Const. Engineer. Res. Lab.	10/01/96- 09/30/97	2340 \$17,565
Re-establishment of the Lichen Component in Disturbed Grassland Ecosystems	McLendon,Terry	Rangeland Ecosystem Science DOD-ARMY-ARO-Army Research Office	06/30/95- 12/31/96	2571 \$44,457
Re-establishment of the Lichen Component in Disturbed Grassland Ecosystems	McLendon,Terry	Rangeland Ecosystem Science DOD-ARMY-ARO-Army Research Office	01/01/97- 12/31/97	2571 \$48,075
Long Term Ecological Research Program: Shortgrass Steppe	Burke,Ingrid C Lauenroth,William K	Rangeland Ecosystem Science NSF-Biological Centers	02/01/97- 01/31/98	3033 \$560,000
Long Term Ecological Research Program: Shortgrass Steppe (REU supplement)	Burke,Ingrid C Lauenroth,William K	Rangeland Ecosystem Science NSF-Biological Centers	03/17/97- 01/31/98	3201 \$10,000
Constraints on Production & Decomposition in Temperate Semiarid Agro-Ecosystems	Lauenroth,William K Burke,Ingrid C	Rangeland Ecosystem Science NSF-Biological Centers	10/01/94- 09/30/97	3209 \$5,000
Long Term Ecological Research Program - Shortgrass Steppe	Lauenroth,William K Burke,Ingrid C	Rangeland Ecosystem Science National Science Foundation	11/01/94- 10/31/97	3215 \$22,815
Ecological Monitoring in Lake Mead National Recreation Area	Bonham,Charles D	Rangeland Ecosystem Science DOI-NPS-National Park Service	08/01/94- 04/01/98	4125 \$20,000
Rangeland Evaluation	Rittenhouse,Larry R	Rangeland Ecosystem Science Pritchett Grazing Association	03/01/95- 02/28/98	5064 \$9,600
Rangeland Evaluation - Comanche National Grasslands	Rittenhouse,Larry R	Rangeland Ecosystem Science Campo Grazing Association, Inc.	03/01/95- 02/28/98	5321 \$9,000
Rangeland Evaluation - Kim Grazing Association	Rittenhouse,Larry R	Rangeland Ecosystem Science Swiss Organization for Dvlpmnt & Coopratn	02/01/94- 02/28/97	5562 \$2,000
A Regional Assessment of Land Use Effect on Ecosystem Structure & Function in the Central Grasslands...	Burke,Ingrid C Lauenroth,William K	Rangeland Ecosystem Science EPA-Environmental Education Grants	10/01/96- 09/30/99	5854 \$274,271

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
A Regional Assessment of Land Use Effect on Ecosystem Structure & Function in the Central Grasslands...	Burke,Ingrid C	Rangeland Ecosystem Science	10/01/96-	5854
Effects of Seasonal Grazing on Forage Production & Quality within a Long-term Protected-from-grazing... Riparian Ecological Classification	Lauenroth,William K	EPA-Environmental Education Grants	09/30/99	\$300,044
	Leininger,Wayne C	Rangeland Ecosystem Science	08/06/96-	8703
	Trlica,Milton J Jr	USDA-USFS-Forest Research	07/31/98	\$20,000
	Rittenhouse,Larry R	Rangeland Ecosystem Science	10/01/96-	8709
		USDA-USFS-Forest Research	12/31/97	\$12,000
Range of Natural Variability Report of Playa Lakes	Rittenhouse,Larry R	Rangeland Ecosystem Science	10/01/96-	8712
		USDA-USFS-Forest Research	12/31/97	\$12,000
Develop Classification & Monitoring Systems for the Thunder Basin Grasslands	Child,Dennis R	Rangeland Ecosystem Science	08/24/93-	8747
		USDA-USFS-Rocky Mtn. Experiment Station	08/23/98	\$52,700
Range-Watershed Training for Native Americans	Bartlett,Ellsworth T	Rangeland Ecosystem Science	05/23/94-	8756
	Smith,Freeman M	USDA-USFS-Rocky Mtn. Experiment Station	09/30/97	\$14,991
Ecological Classification for the Shortgrass Prairie Ecosystem	Rittenhouse,Larry R	Rangeland Ecosystem Science	09/30/96-	8765
		USDA-USFS-Forest Research	12/31/97	\$24,000
Influence of Grazing on Mountain Plover Habitat	Trlica,Milton J Jr	Rangeland Ecosystem Science	07/18/95-	8771
		USDA-USFS-Rocky Mtn. Experiment Station	05/30/98	\$4,000
Range of Natural Variability Report	Rittenhouse,Larry R	Rangeland Ecosystem Science	09/30/96-	8781
		USDA-USFS-Forest Research	12/31/97	\$12,000
Threatened Endangered Species Plant Inventory	Rittenhouse,Larry R	Rangeland Ecosystem Science	09/30/96-	8782
		USDA-USFS-Forest Research	12/31/97	\$5,600
Analysis of Future Demand for Grazed Forages	Bartlett,Ellsworth T	Rangeland Ecosystem Science	08/06/96-	8795
		USDA-USFS-Rocky Mtn. Experiment Station	04/30/98	\$4,200
Vegetation & Soils of the Comanche National Grasslands	Rittenhouse,Larry R	Rangeland Ecosystem Science	06/28/95-	8830
	Kelly,Eugene F	USDA-USFS-Forest Research	12/31/98	\$22,400
Turkey/Watershed Management & Plant Materials for Erosion Control Training	Rittenhouse,Larry R	Rangeland Ecosystem Science	01/13/97-	9224
		CID-Consortium for Inter. Development	03/12/97	\$4,600
Sustainability of Colorado State Parks	Haas,Glenn E	Nat Resource Recreation & Tourism	01/01/97-	0021
	Lapage,Wilbur	Colorado Div. of Parks & Outdoor Rec.	09/01/97	\$10,000
Evaluating Hunters' Willingness-to-Pay for License Pricing Changes	Manfredo,Michael J	Nat Resource Recreation & Tourism	05/16/97-	0039
		Colorado Division of Wildlife	06/30/97	\$33,000
Human Dimensions in Natural Resources Research Unit	Manfredo,Michael J	Nat Resource Recreation & Tourism	07/01/96-	0370
		Colorado Division of Wildlife	06/30/97	\$140,000
Public Attitudes Towards Agriculture in Colorado	Wallace,George N	Nat Resource Recreation & Tourism	03/01/96-	0898
	Haas,Glenn E	Colorado Department of Agriculture	09/30/96	\$2,500
Denver Youth Naturally	Rodriguez,Donald A	Nat Resource Recreation & Tourism	01/01/96-	0908
		Colorado Department of Natural Resources	12/31/96	\$18,549
U.S. Graduate Study Fellowship Program	Haas,Glenn E	Nat Resource Recreation & Tourism	08/26/96-	1008
	Saqui,Pio	Inter-American Foundation - Indpt Fedrl	05/15/98	\$25,955
Intergovernmental Personnel Act for William D. Miller	Haas,Glenn E	Nat Resource Recreation & Tourism	11/15/93-	1750
		DOI-BLM-Bureau of Land Management	11/14/97	\$63,125

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Watershed Research	Haas,Glenn E Herrmann,Raymond	Nat Resource Recreation & Tourism DOI-National Biological Survey	07/01/96- 06/30/98	1752 \$66,500
Development & Application of Biological Assessment Techniques	Haas,Glenn E Boyle,Terence P	Nat Resource Recreation & Tourism DOI-National Biological Survey	10/01/94- 09/30/99	4171 \$132,665
Human Interactions with Elk in the Vicinity of Estes Park, Colorado	Aukerman,Robert	Nat Resource Recreation & Tourism DOI-National Biological Survey	05/01/95- 12/31/97	4172 \$10,000
Living with Wildlife in Anchorage: Residents' Attitudes	Manfredo,Michael J	Nat Resource Recreation & Tourism Alaska Department of Fish & Game	09/01/96- 12/01/97	5127 \$46,215
Living with Wildlife in Anchorage: Residents' Attitudes	Manfredo,Michael J	Nat Resource Recreation & Tourism Alaska Department of Fish & Game	04/21/97- 09/30/98	5157 \$112,233
American Universities International Programs Transition Project	Aukerman,Robert	Nat Resource Recreation & Tourism AUIP-American Universities Intl. Program	05/16/96- 08/15/96	5726 \$20,000
Infusing Environmental Education into Math Curriculum	Wells,Marcella A	Nat Resource Recreation & Tourism EPA-Environmental Educ & Training Prog	09/16/96- 09/16/97	5807 \$11,286
Publication Participation in Allocation Decisions Related to Public Owned Natural Resources	Manfredo,Michael J	Nat Resource Recreation & Tourism USDA-USFS-Rocky Mtn. Experiment Station	09/05/96- 03/31/99	8785 \$9,000
1997 Human Dimensions in the Americas Conference - Planning & Implementation	Haas,Glenn E	Nat Resource Recreation & Tourism USDA-USFS-Rocky Mtn. Experiment Station	09/05/96- 07/01/97	8790 \$6,000
National Forest User Perceptions & the Role of Interpretation on Grazing Allotments	Wallace,George N	Nat Resource Recreation & Tourism USDA-USFS-Rocky Mtn. Experiment Station	04/10/92- 03/31/97	8794 \$1,700
Survey of Western States Sediment Standards	Stednick,John D	Earth Resources Colorado Dept Public Health & Environ	11/11/96- 12/31/96	0006 \$2,000
Arkansas River Water Quality	Stednick,John D Davies,Patrick	Earth Resources Colorado Division of Wildlife	09/01/96- 12/31/96	0988 \$13,200
Aquatic Toxicology Research	Stednick,John D Davies,Patrick	Earth Resources Colorado Division of Wildlife	09/01/96- 10/31/97	0992 \$27,500
Mass Balance Changes on Teton Glacier using Historical & Contemporary Data	Elder,Kevin J	Earth Resources University of Wyoming	05/01/96- 06/30/97	1600 \$2,500
Snow Deposition Studies in Two National Parks of the Rocky Mountain Cordillera	Elder,Kevin J	Earth Resources DOI-NPS-National Park Service	05/01/96- 05/01/98	1718 \$9,971
Establishment of Baseline Water Quality Conditions in the National Park Service	Stednick,John D	Earth Resources DOI-NPS-National Park Service	07/25/96- 09/30/98	1730 \$60,000
Establishment of Baseline Water Quality Conditions in Valley Forge National Park	Hannah,Judith	Earth Resources DOI-NPS-National Park Service	02/26/97- 09/30/99	1730 \$500,000
Development of Environmental Contaminant Encyclopedia	Stednick,John D	Earth Resources DOI-NPS-National Park Service	10/01/95- 10/01/97	1731 \$10,000
Water Resources Inventory & Assessment of Watersheds at Salinas Pueblo Mission, New Mexico	Smith,Freeman M Kunkle,Samuel H	Earth Resources DOI-NPS-National Park Service	08/15/96- 06/30/97	1747 \$10,500
Paired Ecosystems United States / Russia	Smith,Freeman M	Earth Resources DOI-BLM-Bureau of Land Management	08/01/96- 09/30/97	1841 \$10,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Erosion & Sedimentation in Virgin Islands National Park	MacDonald, Lee H	Earth Resources US Department of the Interior	02/01/97- 09/30/98	1867 \$36,000
Riparian Restoration for Glorieta Creek Floodplain in Pecos National Historical Park	Smith, Freeman M Kunkle, Samuel H	Earth Resources DOI-NPS-National Park Service	02/01/97- 09/30/97	1869 \$7,524
Serve as Consulting Editor for Two Manuscripts on Water Quality Protocol	Smith, Freeman M Kunkle, Samuel H	Earth Resources DOI-NPS-National Park Service	04/21/97- 08/30/97	1876 \$5,752
Inventory & Characterize Upland Water Resources in Dinosaur National Monument	Stednick, John D	Earth Resources DOI-NPS-National Park Service	06/01/97- 06/30/98	1884 \$20,000
Snow Distribution & Runoff Forecasting, Kings River Basin, California	Elder, Kevin J	Earth Resources DOD-ARMY-Corps of Engineers	08/15/96- 08/14/99	2322 \$6,355
Snow Distribution & Runoff Forecasting, Kings River Basin, California	Elder, Kevin J	Earth Resources DOD-ARMY-Corps of Engineers	08/15/96- 08/14/99	2322 \$31,813
CSEDI: Collaborative Research of the 190Pt-1860s System as a Test of Core-Mantle Interact	Morgan, John W	Earth Resources NSF-GEO-Geosciences	07/15/96- 06/30/97	3191 \$55,000
187Re-1970s Study of the Timing & Duration of Archean Au Mineralization	Morgan, John W Markey, Richard J	Earth Resources NSF-GEO-Geosciences	07/01/97- 06/30/99	3251 \$169,923
Interdisciplinary Approaches to Identification & Mitigation of National Park Service Water Quality Impacts	Stednick, John D	Earth Resources University of Wyoming	09/15/94- 08/31/97	3467 \$45,000
Karst Hydrology in the Humid Tropical Environments	Stednick, John D	Earth Resources NSF-SBE-Social, Behav & Econ Sciences	12/01/96- 05/31/97	3507 \$13,250
Flow Resistance of Large Woody Debris in Headwater Streams	Wohl, Ellen E	Earth Resources Nat. Council for Air/Stream Improvement	03/17/97- 06/01/99	5352 \$70,432
Spatial Information Technology in Geographic Education (Improving Geographic Education)	Laituri, Melinda J	Earth Resources Nat'l Geographic Society Education Fndn	05/01/97- 12/31/97	5437 \$17,475
Non-degree Training in Watershed Hydrology & Water Resources - Geographical Information Systems (GIS)	Smith, Freeman M	Earth Resources Republic of China-Ministry of Education	08/01/96- 07/31/97	5724 \$18,500
Non-degree Training in Forestry Computer Systems / Mr. Daming Bao	Smith, Freeman M	Earth Resources U.N.-Food & Agriculture Organization	08/01/96- 12/31/96	5725 \$11,273
CATIE/CSU Advanced Training for Lucio Pedroni	Smith, Freeman M	Earth Resources Swiss Organization for Dvlpmt & Coopratn	08/01/96- 05/31/97	5728 \$15,369
Academy for Educational Development/BANTSI Training Program	Smith, Freeman M	Earth Resources Academy for Educational Development	01/01/97- 05/31/97	5729 \$10,500
Development of an Expert Support System for Assessing Tribal Water Quality	Smith, Freeman M	Earth Resources CRIT-Colorado River Indian Tribes	04/15/97- 12/31/97	5905 \$28,700
Experimental Work on Turbidites	Ethridge, Frank G Schumm, Stanley A	Earth Resources Shell Oil Company	05/01/97- 06/30/98	6244 \$12,000
Relationship between Substrates & Macroinvertebrates on the Arapaho-Roosevelt National Forests	MacDonald, Lee H	Earth Resources USDA-USFS-Rocky Mtn. Experiment Station	09/27/96- 09/30/97	8754 \$15,000
Turkey East Anatolia Watershed Training Project (EAWT) Group 21 - Israel	Smith, Freeman M	Earth Resources CID-Consortium for Inter. Development	10/01/96- 10/18/96	9214 \$6,468

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Turkey/Watershed Management Estimation Techniques of Sediment Yield, Transport & Sedimentation Measure	Smith,Freeman M	Earth Resources CID-Consortium for Inter. Development	01/13/97- 03/12/97	9222 \$4,600
Computer Software Design	Bergersen,Eric P	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	12/18/96- 06/30/97	0010 \$5,552
Fish Pathogens Study	Bergersen,Eric P	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	04/09/97- 06/30/97	0030 \$14,300
Stress Factors in Whirling Disease	Bergersen,Eric P	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	12/20/96- 12/31/97	0879 \$25,200
96/97 Aquatic Studies	Bergersen,Eric P	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	07/01/96- 06/30/97	0919 \$90,648
96/97 Grouse Research	Burnham,Kenneth P	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	07/01/96- 06/30/97	0920 \$17,500
96/97 Optimal Feeding Strategies	Anderson,David R	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	07/01/96- 06/30/97	0921 \$7,000
96/97 'S' Account Subcontract	Anderson,David R	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	07/01/96- 06/30/97	0922 \$20,000
Wildlife Disease Modeling	Burnham,Kenneth P	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	10/31/96- 06/30/97	0995 \$21,000
Software Development for Adaptive Dynamic Programming - Waterfowl Adaptive Management	Anderson,David R	Cooperative Fish & Wildlife Research DOI-National Biological Survey	08/27/96- 09/30/97	1745 \$36,000
Possible Long-term Declines in the Annual Probability of Survival in North American Bird Species	Anderson,David R Burnham,Kenneth P	Cooperative Fish & Wildlife Research DOI-National Biological Survey	07/01/97- 12/01/98	1874 \$10,000
Ranking Conservation Priorities of Vertebrates in Colorado	Gross,John E	Natural Resource Ecology Lab Colorado Division of Wildlife	10/28/96- 06/30/97	0018 \$33,000
A System for Conservation Planning - 1995-1997	Hobbs,N Thompson Gross,John E	Natural Resource Ecology Lab Colorado Division of Wildlife	07/01/96- 06/30/97	0937 \$165,000
Ecological Modeling in Support of County Decision Making Geographical Information Systems (GIS)	Hobbs,N Thompson	Natural Resource Ecology Lab Colorado Division of Wildlife	09/01/96- 12/30/97	0981 \$251,600
Invasion of Rangeland by Aggressive Perennial Weeds: Ecology & Management	Coffin,Debra P	Natural Resource Ecology Lab USDA-CSRS-CGP-Competitive Grants Program	09/01/96- 08/31/99	1413 \$131,565
Development & Management of a USDA UV-B Monitoring Program	Gibson,James H Bigelow,David S	Natural Resource Ecology Lab USDA-CSRS-SRG-Special Research Grants	09/15/96- 09/30/97	1421 \$1,517,710
Development & Management of a USDA UV-B Monitoring Program	Gibson,James H Bigelow,David S	Natural Resource Ecology Lab USDA-CSRS-SRG-Special Research Grants	09/15/96- 09/30/98	1421 \$1,464,528
Large Mammalian Herbivores, Plant Interactions, & Ecosystem Processes in Five National Parks	Singer,Francis J Elliott,Edward T	Natural Resource Ecology Lab DOI-National Biological Survey	03/01/96- 09/30/96	1741 \$2,500
Declining Native Plant Diversity caused by Invasive Weeds & Interactions with Grazing	Stohlgren,Thomas J Singer,Francis J	Natural Resource Ecology Lab DOI-National Biological Survey	06/01/96- 06/01/98	1744 \$75,000
Developing an Inventory & Monitoring Plan for Rocky Mountain National Park	Stohlgren,Thomas J Coughenour,Michael B	Natural Resource Ecology Lab DOI-National Biological Survey	06/01/96- 06/01/98	1746 \$50,000

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Long-term Ecological Measurements in Loch Vale Watershed, Rocky Mountain National Park	Baron,Jill S Swift,David M	Natural Resource Ecology Lab DOI-USGS-Geological Survey	05/01/96- 03/31/98	1754 \$75,000
Global Change Research Program	Stohlgren,Thomas J Swift,David M	Natural Resource Ecology Lab DOI-NPS-National Park Service	04/01/94- 04/01/98	1819 \$53,047
Modeling Nutritional-energetic Carrying Capacity for Jackson Bison Populations	Coughenour,Michael B	Natural Resource Ecology Lab DOI-NPS-National Park Service	04/01/96- 04/01/97	1834 \$12,000
Support for Global Change Research in Rocky Mountain National Park, Colorado	Stohlgren,Thomas J Binkley,Daniel E	Natural Resource Ecology Lab DOI-NPS-National Park Service	08/09/96- 08/15/96	1843 \$8,000
Century Erosion Study	Ojima,Dennis Parton,William J	Natural Resource Ecology Lab DOI-USGS-Geological Survey	11/15/96- 03/15/97	1857 \$15,000
Data Sheets of Scientific Treatments on Willows of Rocky Mountain National Park	Singer,Francis J Coughenour,Michael B	Natural Resource Ecology Lab DOI-USGS-Geological Survey	02/27/97- 05/30/97	1870 \$2,500
Using Multi-sensor Data to Model Factors Limiting Carbon Balance in Global Arid Ecosystems	Ojima,Dennis Parton,William J	Natural Resource Ecology Lab National Aeronautics & Space Admin.	06/01/97- 05/31/98	1944 \$610,800
Carbon Balance in Global Grasslands	Schimmel,David S	Natural Resource Ecology Lab National Aeronautics & Space Admin.	10/01/96- 09/30/97	1948 \$440,200
Responses of Rangeland Grasses to CO2 & Herbivory	Hunt,H William	Natural Resource Ecology Lab USDA-ARS-Agricultural Research Service	05/15/94- 05/15/99	2050 \$15,372
Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation	Paustian,Keith H Elliott,Edward T	Natural Resource Ecology Lab USDA-NRCS-Natural Resources Consvtn Srv	09/30/96- 09/30/97	2090 \$30,000
The National Atmospheric Deposition Program (NRSP-3)	Swift,David M	Natural Resource Ecology Lab USDA-CSRS-Coop. States Research Service	10/01/92- 09/30/97	2113 \$23,630
The National Atmospheric Deposition Program (NRSP-3)	Swift,David M	Natural Resource Ecology Lab USDA-CSRS-Coop. States Research Service	10/01/92- 09/30/97	2113 \$267,679
The National Atmospheric Deposition Program (NRSP-3)	Swift,David M	Natural Resource Ecology Lab USDA-CSRS-Coop. States Research Service	10/01/92- 09/30/97	2113 \$508,770
Global Change Data Assessment & Integration	Elliott,Edward T	Natural Resource Ecology Lab Consortium for Int'l Earth Science Info	09/02/95- 09/01/96	2204 \$5,000
Global Change Data Assessment & Integration	Elliott,Edward T	Natural Resource Ecology Lab Consortium for Int'l Earth Science Info	09/02/95- 09/01/96	2204 \$3,000
Responses of Hydrologic & Aquatic Ecosystem Processes to Potential Climate Change on Watershed, Drainage Basin...	Baron,Jill S Swift,David M	Natural Resource Ecology Lab DOI-NPS-National Park Service	09/01/96- 09/01/97	2855 \$500
Responses of Hydrologic & Aquatic Ecosystem Processes to Potential Climate Change on Watershed, Drainage Basin...	Baron,Jill S Swift,David M	Natural Resource Ecology Lab DOI-NPS-National Park Service	09/01/96- 04/01/98	2855 \$77,000
Environmental & Management Controls on Soil Structure & Organic Matter Dynamics	Paustian,Keith H Elliott,Edward T	Natural Resource Ecology Lab National Science Foundation	06/15/95- 05/31/98	3081 \$150,000
Long Term Ecological Research Program - Shortgrass Steppe	Lauenroth,William K Burke,Ingrid C	Natural Resource Ecology Lab NSF-Biological Centers	11/01/94- 10/31/97	3214 \$50,000
Nematode Biodiversity in Ecosystems Stressed by Extremes of Temperature	Freckman,Diana Niles,Robert K	Natural Resource Ecology Lab NSF-Biological Centers	08/15/96- 01/31/98	3237 \$100,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Nematode Biodiversity in Soils of the Short Grass Steppe	Freckman,Diana W Niles,Robert K	Natural Resource Ecology Lab NSF-Biological Centers	08/15/96- 01/31/98	3237 \$19,670
Land Use Change in the East African Savanna: A Case Study of Northern Tanzania	Galvin,Kathleen Ellis,James E	Natural Resource Ecology Lab NSF-SBE-Social, Behav & Econ Sciences	06/01/97- 06/30/98	3257 \$102,990
Biogeochemical & Hydrologic Controls on Fluxes in Freshwater Ecosystems	Baron,Jill S Freckman,Diana	Natural Resource Ecology Lab NSF-GEO-Geosciences	04/01/97- 08/31/98	3316 \$4,000
McMurdo Dry Valleys: A Cold Desert Ecosystem	Freckman,Diana W	Natural Resource Ecology Lab University of Nevada	03/15/94- 02/28/99	3429 \$82,550
Integrated Nitrogen Cycle Analysis of Land Use Practices in the United States & China	Ojima,Dennis	Natural Resource Ecology Lab UCAR-NCAR-Nat Ctr for Atmospheric Res	09/01/96- 08/31/97	3430 \$37,305
Long-term Ecological Research on the Luquillo Experiment Forest	Parton,William J	Natural Resource Ecology Lab University of Puerto Rico	10/15/94- 10/14/97	3465 \$18,083
Development of User-friendly Graphical Interfaces for Ecological Simulation Models & a Spatial Database...	Coffin,Debra P Burke,Ingrid C	Natural Resource Ecology Lab NSF-Biological Centers	08/01/96- 07/31/97	3505 \$189,376
Development of User-friendly Graphical Interfaces for Ecological Simulation Models & a Spatial Database...	Coffin,Debra P Burke,Ingrid C	Natural Resource Ecology Lab NSF-Biological Centers	08/01/96- 07/31/98	3505 \$160,503
REU Supplement to: United States-Hungry Grassland Comparisons: Response of Vegetation to Environment	Coffin,Debra P	Natural Resource Ecology Lab NSF-SBE-Social, Behav & Econ Sciences	04/01/96- 03/31/99	3506 \$8,000
Land Use & Climate Change Impacts on Carbon Fluxes (LUCCI)	Ojima,Dennis	Natural Resource Ecology Lab University of Nebraska	07/01/96- 06/30/97	3901 \$63,000
Population Estimation, Plant Interactions, Forage Biomass & Offtake, & Carrying Capacity of Elk in the Estes Valley	Singer,Francis J Coughenour,Michael B	Natural Resource Ecology Lab DOI-NPS-National Park Service	09/01/96- 09/01/97	4100 \$7,553
Projecting the Effect of Global Change on Vegetation in Park Landscapes in the Central Grasslands Biogeographical...	Ojima,Dennis Detling,James K	Natural Resource Ecology Lab DOI-NPS-National Park Service	05/01/94- 04/01/98	4108 \$15,938
Landscape Gap Analysis - Biodiversity & Elk & Moose-habitat Relationships	Stohlgren,Thomas J Coughenour,Michael B	Natural Resource Ecology Lab DOI-NPS-National Park Service	05/01/94- 04/01/98	4113 \$108,621
Large Mammalian Herbivores, Plant Interactions, & Ecosystem Processes in Five National Parks	Singer,Francis J Elliott,Edward T	Natural Resource Ecology Lab DOI-National Biological Survey	03/26/95- 05/01/98	4147 \$123,400
The National Biological Survey Global Change Data Center	Simmons,Carol L	Natural Resource Ecology Lab DOI-National Biological Survey	05/16/95- 09/30/97	4152 \$25,000
The National Biological Survey Global Change Data Center	Simmons,Carol L	Natural Resource Ecology Lab DOI-National Biological Survey	10/01/96- 09/30/97	4152 \$20,000
Effects of Increased Nitrogen Deposition on Subalpine Forest Growth	Baron,Jill S Binkley,Daniel E	Natural Resource Ecology Lab DOI-National Biological Survey	04/01/95- 09/30/98	4168 \$8,823
National Atmospheric Deposition Program - 1996-1997	Swift,David M	Natural Resource Ecology Lab Various "Non-Profit" Sponsors	10/01/96- 03/31/98	5138 \$271,135
Mercury Deposition Network: A Subnetwork of the National Atmospheric Deposition Program	Swift,David M	Natural Resource Ecology Lab Various "Non-Profit" Sponsors	01/01/97- 06/30/98	5351 \$321,581
Effect of Elk Grazing on Native & Non-native Plant Species Diversity in Rocky Mountain National Park	Coughenour,Michael B Stohlgren,Thomas J	Natural Resource Ecology Lab Rocky Mountain Elk Foundation	06/16/96- 06/15/97	5422 \$8,200

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Soil & Sediment Biodiversity & Ecosystem Functioning Workshop	Freckman,Diana W	Natural Resource Ecology Lab Winslow Foundation	04/01/97- 12/31/97	5438 \$40,000
Forecasting Impacts of Land Use Change on Elk Habitat in the Mountains: Tools for Planning	Hobbs,N Thompson Gross,John E	Natural Resource Ecology Lab Rocky Mountain Elk Foundation	01/01/97- 12/31/97	5442 \$31,786
Quality Assurance Support for the National Atmospheric Deposition Program	Swift,David M	Natural Resource Ecology Lab Environmental Protection Agency	10/01/96- 04/30/97	5812 \$90,640
A Regional Assessment of Land Use Effect on Ecosystem Structure & Function in the Central Grasslands...	Parton,William J	Natural Resource Ecology Lab EPA-Environmental Education Grants	10/01/96- 09/30/99	5855 \$88,747
A Regional Assessment of Land Use Effect on Ecosystem Structure & Function in the Central Grasslands...	Parton,William J	Natural Resource Ecology Lab EPA-Environmental Education Grants	10/01/96- 09/30/99	5855 \$103,149
Population & Environment in the U.S. Great Plains	Parton,William J Galvin,Kathleen	Natural Resource Ecology Lab University of Texas at Austin	08/01/96- 07/31/97	7503 \$107,120
Research in Agriculture	Elliott,Edward T	Natural Resource Ecology Lab USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8020 \$8,290
Research in Agriculture	Elliott,Edward T	Natural Resource Ecology Lab USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8020 \$25,857
Oregon Coast Range Province Adaptive Management Pilot Project: Application of AR/GIS with the Oregon Coast...	Elliott,Edward T Berry,Joyce K	Natural Resource Ecology Lab USDA-Forest Service-Pacific NW Exp. Station	09/14/95- 11/30/96	8836 \$14,000
An Integrated Management & Policy System for Conserving Biodiversity in Spatially Extensive Pastoral...	Coughenour,Michael B Galvin,Kathleen	Natural Resource Ecology Lab University of California at Davis	10/01/96- 06/30/97	9000 \$111,303
Spatially Explicit Projections of C Dynamics with Global Change in the Central Unit	Elliott,Edward T Paustian,Keith H	Natural Resource Ecology Lab University of Nebraska	07/01/96- 06/30/97	9300 \$74,000
Modeling the Effect of Global Change on Grassland Distribution & Productivity at Land...	Ojima,Dennis	Natural Resource Ecology Lab Oregon State University	01/10/96- 06/30/97	9318 \$30,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Mathematics, Computing Skills, & Science Core for Non-Science Majors	Raich,John C	Dean of Natural Sciences NSF-EHR-Education & Human Resources	05/15/97- 04/30/99	3510 \$200,000
Colorado Classroom-based Research for Achievement of Students	Stein,Fredrick M Bruckhart,Glenn	Center for Science, Math & Tech Edu CCHE-Commission on Higher Education	05/08/97- 06/30/98	0110 \$50,000
Colorado Statewide Systems Initiative	Stein,Fredrick M	Center for Science, Math & Tech Edu Colorado Department of Education	09/01/96- 08/31/97	0591 \$22,400
Connected Math Projects Program	Bruckhart,Glenn	Center for Science, Math & Tech Edu Michigan State University	06/01/96- 05/31/97	3403 \$24,000
Rocky Mountain Teacher Education Collaborative	Stein,Fredrick M Hartley,Nancy K	Center for Science, Math & Tech Edu University of Northern Colorado	09/01/96- 05/31/97	3446 \$194,791
Minority Initiative for Denver Schools -(MINDS)	Stein,Fredrick M	Center for Science, Math & Tech Edu Denver Public Schools	03/01/96- 08/31/97	3469 \$249,228
Minority Initiative for Denver Schools -(MINDS) - Preparing for Higher Education	Stein,Fredrick M	Center for Science, Math & Tech Edu Denver Public Schools	03/01/96- 08/31/97	3469 \$26,652
Pollution Prevention in General Chemistry	Stein,Fredrick M	Center for Science, Math & Tech Edu Partnership/Environmental Technology Ed	10/01/96- 09/30/97	5900 \$205,000
CIRB Fellowship Support for Ray D. Krueger	Schenck,Craig C	Biochemistry & Molecular Biology CIRB-Colo. Inst. Research in Biotech.	07/01/96- 06/30/97	0019 \$8,000
REU Site: Undergraduate Research in Molecular Biosciences	Bamburg,James R Curthoys,Norman P	Biochemistry & Molecular Biology NSF-Biological Centers	03/01/96- 02/28/98	3070 \$50,000
Biochemical Analysis of PH05 Gene Regulation	Laybourn,Paul J	Biochemistry & Molecular Biology NSF-Biological Centers	08/01/95- 07/31/97	3120 \$3,000
Biochemical Analysis of PH05 Gene Regulation	Laybourn,Paul J	Biochemistry & Molecular Biology NSF-Biological Centers	08/01/95- 07/31/98	3252 \$95,000
Graduate Training in Biochemistry & Molecular Biology	Curthoys,Norman P	Biochemistry & Molecular Biology DE-Graduate Assist/Areas of Natl Need	08/22/96- 08/21/97	4200 \$168,910
Dependence of Neurite Outgrowth & Regeneration on ADF Activity	Bamburg,James R Meberg,Peter	Biochemistry & Molecular Biology American Paralysis Association	03/05/97- 03/04/98	5146 \$43,885
Repression of Cellular Gene Expression by the HTLV-I Tax Protein	Nyborg,Jennifer K	Biochemistry & Molecular Biology American Cancer Society, Inc.	01/01/96- 12/31/98	5346 \$90,000
Cloning & Expression of Human Glutaminminase: A Potential Target for Stroke Therapy	Curthoys,Norman P	Biochemistry & Molecular Biology Neurex Corporation	07/01/96- 06/30/97	6197 \$15,000
Glutaminase Inhibitors as Neuroprotective Agents	Curthoys,Norman P	Biochemistry & Molecular Biology Neurex Corporation	06/01/96- 11/30/96	7507 \$4,446
NIH-Shared Instrumentation Grant (SIG)	Lumb,Kevin J	Biochemistry & Molecular Biology HHS-NIH-National Institute of Health	06/01/97- 05/31/98	7517 \$306,550
Transcriptional Regulation by the HTLV-I Tax Protein	Nyborg,Jennifer K	Biochemistry & Molecular Biology HHS-NIH-NCI-National Cancer Institute	12/01/96- 11/30/97	7636 \$179,461
Optical Properties of Biological Macromolecules	Woody,Robert W	Biochemistry & Molecular Biology HHS-PHS-Biophysics & Physiological Sci.	12/01/96- 11/30/97	7669 \$237,399

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
RNA Polymerase III Transcription Regulation Mechanism	Paule,Marvin R	Biochemistry & Molecular Biology HHS-PHS-Genetics Research	01/01/97- 12/31/97	7674 \$164,437
Mechanism of Cyclin A-Cdk2 Inhibition by p57	Lumb,Kevin J	Biochemistry & Molecular Biology HHS-PHS-Genetics Research	01/01/97- 12/31/97	7699 \$89,828
Hemorrhagic & Necrotic Toxins in Snake Venoms	Tu,Anthony T	Biochemistry & Molecular Biology HHS-NIH-Office of AIDS Research	09/01/96- 08/31/97	7705 \$23,100
Transcriptional Regulation by the HTLV-I Tax Protein: Minority Support for Kenneth Escudero	Escudero,Kenneth W Nyborg,Jennifer K	Biochemistry & Molecular Biology HHS-NIH-NCI-National Cancer Institute	12/01/96- 11/30/97	7706 \$63,800
RNA Polymerase I Transcription & Regulation Mechanisms	Paule,Marvin R	Biochemistry & Molecular Biology HHS-PHS-Genetics Research	01/01/97- 12/31/97	7720 \$241,343
Regulation & Function of Actin Depolymerizing Factor	Bamburg,James R	Biochemistry & Molecular Biology HHS-NIH-Nat Inst of General Medical Sci	04/01/97- 03/31/98	7732 \$205,667
Mechanism of pH-response in PCK Gene Expressions	Curthoys,Norman P	Biochemistry & Molecular Biology HHS-PHS-Kidney Dis., Urology/Hematology	07/01/96- 06/30/97	7736 \$174,895
ADF/Cofilin in Early Vertebrate Development	Bamburg,James R	Biochemistry & Molecular Biology HHS-PHS-Public Health Services	04/01/97- 03/31/98	7749 \$141,715
Primary Photochemistry in Bacterial Reaction Centers	Schenck,Craig C Tang,Shoou Yu	Biochemistry & Molecular Biology HHS-PHS-Cellular & Molecular / Research	10/01/95- 03/31/97	7915 \$15,600
Renal Response to Metabolic Acidosis	Curthoys,Norman P	Biochemistry & Molecular Biology HHS-DRR-Fogarty International Center	08/20/96- 08/19/97	7920 \$31,800
New Methods & Applications for Bioconjugation	Greenberg,Marc M	Chemistry CATI-Colo. Advanced Technology Institute	07/01/96- 06/30/97	0967 \$20,000
Electrochemical & Optical Investigations of Nanostructure Ensembles	Martin,Charles R	Chemistry DOD-NAVY-ONR-Office of Naval Research	10/01/90- 09/30/97	2391 \$106,122
Organic Pollutants in Soils, as Studied by Nuclear Magnetic Resonance (NMR)	Maciel,Gary E Lindsay,Willard L	Chemistry DOD-USAF-Air Force	03/01/95- 02/28/98	2545 \$152,020
Surface Reactivity of SiC1x Radicals during Plasma Deposition of Amorphous Hydrogenated Silicon Films	Fisher,Ellen R	Chemistry DOD-NAVY-ONR-Office of Naval Research	05/01/95- 11/30/96	2548 \$5,153
Surface Reactivity of SiC1x Radicals during Plasma Deposition of Amorphous Hydrogenated Silicon Films	Fisher,Ellen R	Chemistry DOD-NAVY-ONR-Office of Naval Research	05/01/95- 11/30/97	2548 \$75,000
Rydberg States of Energetic Materials	Bernstein,Elliot R	Chemistry DOD-ARMY-ARO-Army Research Office	04/15/95- 02/14/98	2549 \$90,000
Chemical Processing of Advanced Ceramics	Maciel,Gary E	Chemistry Southwest Research Institute	06/23/95- 12/31/96	2611 \$10,000
Chemical Processing of Advanced Ceramics	Maciel,Gary E	Chemistry Southwest Research Institute	06/23/95- 12/31/97	2611 \$10,000
Radical Reactions Relevant to Atmospheric & Combustion Chemistry	Bernstein,Elliot R	Chemistry NSF-MPS-Mathematical & Physical Sciences	03/01/96- 02/28/98	3028 \$105,000
Studies on Chiral & Achiral Carbanions	Meyers,Albert I	Chemistry NSF-MPS-Mathematical & Physical Sciences	05/01/95- 04/30/98	3064 \$146,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Investigation of Plasma Deposition Mechanisms for Silicon Dioxide & Silicon Nitride Films	Fisher, Ellen R	Chemistry NSF-MPS-Mathematical & Physical Sciences	05/01/95- 04/30/98	3086 \$64,000
Directed Synthesis Using Zintl Ion Building Blocks	Dorhout, Peter K	Chemistry NSF-MPS-Mathematical & Physical Sciences	05/01/96- 04/30/98	3119 \$73,000
Statistical Mechanics of Thermoreversible Gelation (Career)	Szamel, Grzegorz	Chemistry NSF-MPS-Mathematical & Physical Sciences	04/01/96- 03/31/98	3121 \$68,000
Electronically Conductive Polymer Nanostructures	Martin, Charles R Hochheimer, Hans D	Chemistry NSF-MPS-Mathematical & Physical Sciences	06/01/96- 05/31/98	3125 \$84,857
Polyoxoanion-Supported Transition Metals Synthesis, Characterization & Applications in Chemistry...	Finke, Richard G	Chemistry NSF-MPS-Mathematical & Physical Sciences	05/01/96- 04/30/99	3126 \$184,000
Nuclear Magnetic Resonance (NMR) Console Upgrades	Anderson, Oren P	Chemistry NSF-MPS-Mathematical & Physical Science	02/01/97- 01/31/98	3148 \$281,500
Fluorinated Closo-Heteroborane Anions & Nonclassical Metal Carbonyls	Strauss, Steven H	Chemistry NSF-MPS-Mathematical & Physical Sciences	07/15/96- 06/30/97	3149 \$16,300
Fluorinated Closo-Heteroborane Anions & Nonclassical Metal Carbonyls	Strauss, Steven H	Chemistry NSF-MPS-Mathematical & Physical Sciences	07/15/96- 06/30/98	3149 \$106,000
Colorado State University Department of Chemistry Undergraduate Summer Research Program	Greenberg, Marc M	Chemistry National Science Foundation	03/01/94- 08/31/97	3182 \$51,896
Colorado State University Department of Chemistry Undergraduate Summer Research Program	Greenberg, Marc M	Chemistry National Science Foundation	03/01/94- 08/31/97	3182 \$1,104
Electrophilic Attack on Coordinated Ligands involved in Catalysis by Organometallic...	Norton, Jack R	Chemistry NSF-MPS-Mathematical & Physical Sciences	07/01/96- 06/30/98	3186 \$150,000
Alkaloids of Importance in Plant-insect Interactions	Stermitz, Frank R	Chemistry National Science Foundation	05/01/97- 04/30/98	3206 \$94,000
Young Investigator Award	Grainger, David	Chemistry National Science Foundation	07/15/94- 01/31/99	3222 \$62,500
Solvation & Reaction Dynamics in Liquids & Molecular Clusters	Ladanyi, Branka M	Chemistry NSF-MPS-Mathematical & Physical Sciences	08/01/95- 01/31/98	3235 \$92,600
Organic Synthesis via Transition Metal Complex Chemistry	Hegedus, Louis S	Chemistry National Science Foundation	04/01/93- 09/30/98	3367 \$136,000
Dynamics of Polar Solvation & Chemical Reactions at the Interface between Immiscible Liquids	Levinger, Nancy E	Chemistry NSF-MPS-Mathematical & Physical Sciences	08/01/94- 07/31/97	3387 \$9,118
Dynamics of Polar Solvation & Chemical Reactions at the Interface between Immiscible Liquids	Levinger, Nancy E	Chemistry NSF-MPS-Mathematical & Physical Sciences	08/01/94- 07/31/98	3387 \$62,500
New Metal Complexes with Unusual Geometries	Elliott, C Michael	Chemistry Arizona State University	01/01/97- 12/31/97	3433 \$756
Electron Transfer Dynamics at Semiconductor Nanocluster Interfaces	Kelley, David F	Chemistry US Department of Energy	09/25/96- 10/31/97	3801 \$110,000
Polyoxoanion-stabilized Transition Metal Nanoclusters: Soluble Analogs of Heterogeneous Catalysts	Finke, Richard G	Chemistry DOE-Office of Energy Research	12/01/96- 11/30/97	3805 \$115,400

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Studies of High Quantum Yield Sensitization Processes at Semiconductor Electrodes	Parkinson,Bruce W	Chemistry DOE-Oakridge Operations Office	04/01/97- 03/31/98	3811 \$130,000
Extraction & Recovery of Mercury & Lead from Aqueous Waste Streams Using Redox-Active Layered Metal...	Dorhout,Peter K Strauss,Steven H	Chemistry DOE-Office of Energy Research	09/15/96- 09/14/99	3813 \$333,000
Polyoxoanion-Supported, Atomically Dispersed Designer Catalysts: Fundamental Studies in H ₂ , O ₂ & Alk...	Finke,Richard G	Chemistry US Department of Energy	12/01/96- 11/30/97	3851 \$115,400
Multinuclear Magnetic Resonance Study of the Interactions of Pollutants with Major Soil Components	Maciel,Gary E	Chemistry DOE-Basic Energy Sci / Univ & Sci Educ	07/01/96- 06/30/97	3860 \$110,000
A Novel Tandem Homojunction Solar Cell: An Advanced Technology for High Efficiency Photovoltaics	Parkinson,Bruce A Temkin,Henryk	Chemistry DOE-Office of Energy Research	07/01/96- 06/30/97	3862 \$268,031
A Novel Tandem Homojunction Solar Cell: An Advanced Technology for High Efficiency Photovoltaics	Parkinson,Bruce A Temkin,Henryk	Chemistry DOE-Office of Energy Research	07/01/97- 06/30/98	3862 \$254,951
Nanomaterials in Secondary Battery Research & Development	Martin,Charles R Fisher,Ellen R	Chemistry DOE-Office of Energy Research	12/15/96- 12/14/97	3866 \$80,000
An Alternative to Autografts for Orofacial Repair	Grainger,David	Chemistry Oregon Health Sciences University	10/30/96- 05/31/97	4347 \$41,459
Organometallic Syntheses of Bioactive Compounds	Hegedus,Louis S	Chemistry HHS-PHS-Pharmacology & Biorelated Chem	04/01/97- 03/31/98	4418 \$229,709
Synthesis & Mechanism of Cross-Linking of FR900482	Williams,Robert M	Chemistry HHS-PHS-NCI-Cancer Treatment Center	04/01/97- 03/31/98	4420 \$182,923
Novel Approach Toward the Synthesis of the Terpendoles	Meyers,Albert I James,Brian L	Chemistry HHS-NRSA-Nat. Research Service Award	01/10/97- 01/09/98	4430 \$24,292
Total Synthesis & Biosynthesis of Bioactive Substances	Williams,Robert M	Chemistry HHS-PHS-NCI-Cancer Treatment Center	01/15/97- 12/31/00	4433 \$186,556
Asymmetric Epoxidation of Olefins by Chiral Dioxiranes	Shi,Yian	Chemistry HHS-PHS-Pharmacology & Biorelated Chem	05/01/97- 04/30/98	4440 \$85,852
Generation & Study of Intermediates involved in DNA Cleavage	Greenberg,Marc M	Chemistry HHS-PHS-Pharmacology & Biorelated Chem	07/01/96- 06/30/97	4797 \$104,233
Generation & Study of Intermediates involved in DNA Cleavage	Greenberg,Marc M	Chemistry HHS-PHS-Pharmacology & Biorelated Chem	07/01/96- 06/30/97	4797 \$1,350
Novel Fischer Carbene Methodology for Natural Products Synthesis	Hegedus,Louis S Piniero-Nunez,Marta	Chemistry American Cancer Society, Inc.	01/01/97- 12/31/99	5115 \$78,412
Division of Organic Chemistry Graduate Fellowship for Emily Stocking	Williams,Robert M	Chemistry American Chemical Society	09/01/96- 08/31/97	5129 \$15,000
Studies on the Biosynthesis of Taxol	Williams,Robert M	Chemistry American Chemical Society	09/01/96- 08/31/98	5147 \$25,000
Chemistry, Biochemistry & Therapeutic Applications of Vanadium Compounds	Crans,Debbie C	Chemistry American Chemical Society	05/01/97- 04/30/98	5162 \$2,000
What Makes a Good Laser Dye? - Modernization of the Undergraduate Physical Chemical Lab	Levinger,Nancy E	Chemistry Camille & Henry Dreyfus Foundation	02/01/97- 01/31/98	5434 \$15,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Statistical Mechanical Theory of Dynamics of Supercooled Liquids	Szamel,Grzegorz	Chemistry Research Corporation / Foundation	08/01/97- 07/30/99	5441 \$50,000
Alfred P. Sloan Foundation Fellowship	Dorhout,Peter K	Chemistry Alfred P. Sloan Foundation	05/14/97- 09/15/99	5444 \$35,000
Editorial Office for Journal of Chemical Physics	Fixman,Marshall Ladanyi,Branka M	Chemistry American Institute of Physics	08/01/95- 07/31/97	5597 \$87,935
Editors for Journal of the American Chemical Society	Hegedus,Louis S Bernstein,Elliot R	Chemistry American Chemical Company	06/01/84- 12/31/98	6149 \$119,593
Copper-based CO Adsorbents with CO/Cu Ratios Greater than 1.0	Strauss,Steven H	Chemistry Air Products & Chemicals Inc	03/01/97- 02/28/98	6156 \$83,000
Preparation, Testing & Developing New Vanadium Compounds as Oral Therapeutic Agents	Crans,Debbie C	Chemistry Bayer Company	12/01/95- 12/21/97	6157 \$40,000
Development of New Anti-tumor Drugs	Williams,Robert M	Chemistry Molecurx, Inc.	02/01/96- 02/28/98	6201 \$47,473
Developing New Catalysts for Asymmetric Epoxidation of Olefins	Shi,Yian	Chemistry Hoechst Celanese Corp	01/01/97- 12/31/97	6228 \$88,650
NMR Studies of Modified Carbon Blacks	Maciel,Gary E	Chemistry Cabot Power Corp.	01/01/97- 06/30/97	6229 \$21,750
Membrane Dynamics & Function of MHC Class II Mutants	Barisas,B George	Chemistry HHS-AID-Alrgy, Immun & Trnsplntatn Resrh	05/01/97- 04/30/98	7657 \$182,453
Metallobiochemistry of Vanadium (V)	Crans,Debbie C	Chemistry HHS-PHS-Cellular & Molecular / Research	04/01/97- 03/31/98	7677 \$149,818
Quinocarcin Mechanism of Action: Drugs for Breast Cancer	Williams,Robert M	Chemistry HHS-PHS-NCI-Cancer Treatment Center	03/01/97- 02/28/98	7678 \$170,214
Biologically Active Compounds Via Chiral Aromatics	Meyers,Albert I	Chemistry HHS-PHS-Pharmacology & Biorelated Chem	05/01/97- 04/30/98	7690 \$192,268
Approaches to Natural Products Containing Chiral Carbon & Nitrogen Compounds	Meyers,Albert I	Chemistry HHS-PHS-Pharmacology & Biorelated Chem	07/01/96- 06/30/97	7695 \$212,658
Approaches to Natural Products Containing Chiral Carbon & Nitrogen Compounds	Meyers,Albert I	Chemistry HHS-PHS-Pharmacology & Biorelated Chem	07/01/97- 06/30/98	7695 \$220,260
Treatment of Organic Chemistry in Water	Kelley,David F	Chemistry Sandia Corporation/Sandia National Lab.	06/26/97- 06/25/98	9326 \$40,000
FY 98 Program Plan	Vonmayrhauser,A	Computer Science CATI-Colo. Advanced Technology Institute	07/01/97- 06/30/98	0050 \$335,000
Domain-based Testing with SLEUTH	Vonmayrhauser,A	Computer Science CASI-Colorado Advanced Software Inst.	07/01/95- 12/31/97	0826 \$32,000
FY 97 Program Plan - CASI Program	Vonmayrhauser,A	Computer Science CATI-Colo. Advanced Technology Institute	07/01/96- 06/30/97	0930 \$5,995
From Program Comprehension to Software Maintenance Support Tools	Vonmayrhauser,A	Computer Science CASI-Colorado Advanced Software Inst.	07/01/96- 08/31/97	0979 \$38,500

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Reuse Metrics for Object Oriented Software	Bieman,James M	Computer Science NASA-Langley Research Center	12/02/96- 11/01/97	1973 \$20,000
Achieving Ultra-reliability in Critical Systems	Malaiya,Yashwant K	Computer Science DOD-NAVY-ONR-Office of Naval Research	06/01/96- 12/31/96	2312 \$50,388
Achieving Ultra-reliability in Critical Systems	Malaiya,Yashwant K	Computer Science DOD-NAVY-ONR-Office of Naval Research	06/01/96- 12/31/97	2312 \$40,610
Development of an IEEE Standard for PGM	Seidman,Stephen B	Computer Science DOD-NAVY-NRL-Naval Research Lab	08/01/96- 07/31/97	2318 \$58,341
Learning to Populate Geospatial Databases via Markov Decision Processes	Draper,Bruce	Computer Science DOD-ARMY-Advanced Concepts & Technology	04/28/97- 02/27/98	2345 \$135,576
Exploiting Problem Structure in Scheduling	Howe,Adele Whitley,L Darrell	Computer Science DOD-ARPA-Advanced Research Proj. Agency	04/01/97- 12/31/97	2346 \$113,945
Image Understanding Environment: Image Object Hierarchical Representations, Data Exchange...	Beveridge,J Ross	Computer Science Battelle, Research Park Triangle	09/10/96- 09/30/97	2600 \$19,989
An Evaluation of High Performance Functional Computing	Najjar,Walid A Bohm,Anton Pedro W	Computer Science University of Southern California	09/26/95- 04/30/97	2613 \$70,390
Evaluation Methods for Complex, Intelligent, Information Driven Systems	Howe,Adele	Computer Science Sterling Research	09/29/95- 09/27/97	2617 \$68,575
Behavioral Level Design Verifications using Software Testing Techniques	Vonmayrhauser,A Anderson,Charles	Computer Science NSF-CISE-Computer & Info Sci & Engin	08/01/96- 07/31/99	3090 \$180,185
Comparisons & Applications of Local & Global Search	Whitley,L Darrell Beveridge,J Ross	Computer Science NSF-CISE-Computer & Info Sci & Engin	04/01/95- 03/31/97	3151 \$75,000
CAREER: Evaluation as the Basis for Artificial Intelligence Agent Design	Howe,Adele	Computer Science NSF-CISE-Computer & Info Sci & Engin	08/15/96- 07/31/98	3166 \$72,791
Flexible Automated Software Test Generation using Artificial Intelligence (AI) Planning Techniques	Vonmayrhauser,Anneli Howe,Adele	Computer Science NSF-CISE-Computer & Info Sci & Engin	08/15/97- 07/31/99	3239 \$150,016
Los Alamos National Lab Support for Dr. Oldehoeft	Oldehoeft,Rodney R	Computer Science Univ. California-Los Alamos National Lab	07/01/97- 07/01/98	3998 \$189,609
National Physical Science Consortium (NPSC) Fellowship for Soroya Rana	Whitley,L Darrell	Computer Science National Physical Science Consortium	06/01/96- 05/31/97	5271 \$12,500
Multi-dimensional Assignment Techniques for Mobile Target Engagement	Poore,Aubrey B	Mathematics DOD-USAF-Air Force	04/01/97- 12/31/97	2347 \$116,000
Optimization Problems in Multisensor/ Multitarget Tracking	Poore,Aubrey B	Mathematics DOD-USAF-Office of Scientific Research	04/01/97- 03/31/98	2543 \$63,641
Intelligent Algorithm Control for Surveillance Applications	Poore,Aubrey B	Mathematics Orincon	08/26/96- 01/15/97	2618 \$20,000
Computational Science & Visualization - An Educational Web: K-Ph.D.	Zachmann,David W Burns,Patrick J	Mathematics Lockheed Martin Energy Systems, Inc.	04/01/96- 01/31/98	3999 \$99,997
Ultrasonic Determination of Elastic Moduli & Damping	Leisure,Robert G	Physics CAMI-Advanced Materials Institute/Colo.	07/01/96- 06/30/97	0942 \$10,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Measurement of the Magnetically Induced QED Birefringence of the Vacuum	Lee,Siu Au	Physics DOC-NIST-Nat. Inst. Standards & Tech.	03/01/97- 02/28/98	1200 \$50,000
High Frequency Properties of Ferrite Films for Microwave & Millimeter Wave Devices	Patton,Carl E	Physics DOD-NAVY-ONR-Office of Naval Research	10/01/96- 09/30/97	2329 \$120,000
Microwave Magnetic Thin Film Soliton Devices	Patton,Carl E	Physics DOD-ARMY-ARO-Army Research Office	06/16/95- 12/15/97	2561 \$90,000
Sodium Lidar Study of Temperature & Wind Structures & Momentum Flux in the Midaltitude...	She,Chiaoyao Krueger,David A	Physics NSF-GEO-Geosciences	01/01/95- 12/31/97	3048 \$100,000
Thermal & Dynamical Structure of the Mesopause Region: The Latitude Dependence	She,Chiaoyao	Physics NSF-GEO-Geosciences	01/15/96- 12/31/97	3067 \$48,835
Mesopause Tides Based on Extensive Mod & Sodium Lidar Data Sets: Cedar Postdoc	She,Chiaoyao Krueger,David A	Physics NSF-GEO-Geosciences	01/15/97- 12/31/97	3145 \$45,000
National Science Foundation Young Investigator Award	Gelfand,Martin P	Physics NSF-MPS-Mathematical & Physical Sciences	05/22/97- 06/30/98	3168 \$25,000
Microwave/Optical Spectroscopy of Helium & H2 Rydberg States	Lundeen,Stephen R	Physics NSF-Biological Centers	08/01/95- 07/31/98	3228 \$145,000
Microwave/Optical Spectroscopy of Helium & H2 Rydberg States	Lundeen,Stephen R	Physics NSF-Biological Centers	08/01/95- 07/31/98	3228 \$11,261
Ultrasonic Study of Hydrogen-metal & other Condensed Matter Systems	Leisure,Robert G	Physics NSF-MPS-Mathematical & Physical Sciences	07/01/95- 02/28/98	3389 \$75,000
Atmospheric Dynamics Using Sodium & Rayleigh Lidars at Fort Collins & ALOMAR	She,Chiaoyao Krueger,David A	Physics NSF-GEO-Geosciences	09/01/95- 08/31/97	3392 \$40,000
Atmospheric Dynamics Using Sodium & Rayleigh Lidars at Fort Collins & ALOMAR	She,Chiaoyao Krueger,David A	Physics NSF-GEO-Geosciences	09/01/95- 08/31/98	3392 \$40,000
Light Force Manipulation of Aluminum Atoms	Lee,Siu Au	Physics Harvard University	03/15/95- 01/31/98	3470 \$85,088
Ion/Excited-Atom Collision Studies with a Rydberg Target & a CO2 Laser	Lundeen,Stephen R	Physics DOE-Basic Energy Sci / Univ & Sci Educ	09/01/96- 08/31/97	3812 \$57,724
Ion/Excited-Atom Collision Studies with a Rydberg Target & a CO2 Laser - Off Campus Project	Lundeen,Stephen R	Physics DOE-Basic Energy Sci / Univ & Sci Educ	09/01/96- 08/31/97	3814 \$47,276
Research in Collider Physics on the SLD Experiment	Wilson,Robert J Toki,Walter	Physics US Department of Energy	04/15/97- 04/14/98	3819 \$57,019
Research in Collider Physics	Toki,Walter Wilson,Robert J	Physics US Department of Energy	04/15/96- 04/14/97	3852 \$5,000
Research in Collider Physics	Toki,Walter Wilson,Robert J	Physics US Department of Energy	04/15/97- 04/14/98	3852 \$192,981
Research in Collider Physics	Wilson,Robert J Toki,Walter	Physics US Department of Energy	04/15/97- 04/14/98	3859 \$158,000
Photon Burst Mass Spectrometry of Krypton	Fairbank,William M J	Physics Univ. California-Los Alamos National Lab	12/01/93- 09/30/97	3947 \$25,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Device Physics of Thin-Film Polycrystalline Cells & Modules	Sites,James R	Physics Midwest Research Institute - NREL	12/06/93- 12/20/97	3948 \$95,000
Device Physics of Thin-Film Polycrystalline Cells & Modules	Sites,James R	Physics Midwest Research Institute - NREL	12/06/93- 12/20/97	3948 \$10,009
Microwave & Brillouin Light Scattering Study of Magnetic Envelope Solitons	Patton,Carl E	Physics NATO-North Atlantic Treaty Organization	06/20/97- 06/19/99	5734 \$11,927
Research & Engineering Apprenticeship Program- A Summer High School Apprenticeship Program	Patton,Carl E	Physics APC-Academy of Applied Science	05/01/91- 05/31/98	6610 \$5,000
Leadership Development Assessment Center Implementation	Thornton,George C	Psychology Colorado Department of Transportation	09/01/96- 05/31/97	0023 \$6,500
Continuous Quality Improvement Intern	Thornton,George C	Psychology Colorado Department of Transportation	03/25/94- 06/30/97	0596 \$25,000
Refinement of Paired Comparison Method of Valuing Public Goods	Bell,Paul A	Psychology USDA-NRCS-Natural Resources Consvtn Srv	04/09/97- 03/31/99	2100 \$20,000
Color Vision in the Peripheral Retina	Volbrecht,Vicki J Nerger,Janice L	Psychology NSF-Biological Centers	02/01/97- 01/31/98	3152 \$84,127
Advancing Scientific & Technological Education in American Indian Communities	James,Keith	Psychology NSF-EHR-Education & Human Resources	08/01/96- 07/31/98	3195 \$75,000
Adolescent Drug Use in Rural America	Edwards,Ruth W	Psychology HHS-PHS-Drug Abuse Research Programs	08/01/96- 07/31/97	4423 \$353,781
Preventing Intimate Violence in Rural Minority Communities	Edwards,Ruth W	Psychology HHS-CDC-Environ. Hlth & Injury Control	09/01/96- 08/31/97	4425 \$208,969
Tri-Ethnic Center for Prevention Research - (Drug Usage & Drug-related Problems)	Oetting,Eugene R	Psychology HHS-PHS-Drug Abuse Research Programs	05/01/97- 04/30/98	4600 \$1,010,421
Tri-Ethnic Center for Prevention Research; Master Project	Oetting,Eugene R	Psychology HHS-PHS-Drug Abuse Research Programs	05/05/96- 04/30/97	4602 \$50,000
Drug Use Among Young Indians: Epidemiology & Prediction	Beauvais,Frederick	Psychology HHS-PHS-Drug Abuse Research Programs	12/01/96- 11/30/97	4616 \$522,274
Alcohol Use & Related Problems: Mexican American Youth	Swaim,Randall C Chavez,Ernest L	Psychology HHS-PHS-Alcohol Research Programs	07/01/97- 06/30/98	4626 \$457,330
Alcohol Use & Related Problems: Mexican American Youth	Swaim,Randall C	Psychology HHS-PHS-Alcohol Research Programs	07/01/96- 06/30/97	4631 \$26,592
Drug Use Among Young Indians: Epidemiology & Prediction (Supplement)	Beauvais,Frederick	Psychology HHS-PHS-Drug Abuse Research Programs	12/01/96- 11/30/97	4635 \$26,755
School Consultation / Special Education	Rosen,Lee A	Psychology Poudre R-1	08/16/96- 06/07/97	5625 \$42,219
BRAIN Video Module Revision	Vattano,Frank J Bennett,Thomas L	Psychology Various "For Profit" Sponsors	05/15/95- 06/10/97	6095 \$52,202
The MIND Video Teaching Module, 2nd Edition	Vattano,Frank J Bennett,Thomas L	Psychology Various "For Profit" Sponsors	01/01/97- 09/30/98	6234 \$303,862

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Drug Use & Other Risky Behaviors among Rural Youth Project #2; Subproject	Edwards,Ruth W	Psychology HHS-CDC-Environ. Hlth & Injury Control	09/01/96- 08/31/97	7702 \$12,615
Research Design -- Population Size Estimation & Statistical Consulting	Bowden,David C	Statistics Colorado Division of Wildlife	07/01/96- 06/30/97	0991 \$34,092
Saddlepoint Methods in Statistics	Butler,Ronald W	Statistics National Science Foundation	07/15/96- 06/30/97	3161 \$33,000
Saddlepoint Methods in Statistics	Butler,Ronald W	Statistics National Science Foundation	07/15/96- 06/30/98	3161 \$33,000
Stochastic Modelling with Applications to Markov Chain Monte Carlo Methods & Design	Tweedie,Richard L Meyn,Sean P	Statistics NSF-MPS-Mathematical & Physical Sciences	07/01/95- 06/30/98	3175 \$35,000
Time Series Models & Extreme Value Theory	Davis,Richard A Rosenblatt,Murray	Statistics NSF-MPS-Mathematical & Physical Sciences	07/15/95- 06/30/98	3232 \$70,000
National Center for Atmospheric Research (NCAR) - (Weather Forecasting & Global Warming	Davis,Richard A	Statistics UCAR-NCAR-Nat Ctr for Atmospheric Res	04/10/97- 09/30/97	3497 \$3,770
National Center for Atmospheric Research (NCAR) - Weather Forecasting & Global Warming	Tweedie,Richard	Statistics UCAR-NCAR-Nat Ctr for Atmospheric Res	04/10/97- 09/30/97	3498 \$4,825
Study of High Level Statistical & Probabilistic Problems	Tweedie,Richard	Statistics UCAR-NCAR-Nat Ctr for Atmospheric Res	06/15/97- 08/30/97	3657 \$1,072
Development & Initial Exploration Trials for Bowhead Aboriginal Whaling	Givens,Geof H	Statistics Alaska Department of Wildlife Management	09/17/96- 06/30/97	5130 \$66,541
Stability & Large Deviation Properties of Markov Chains	Tweedie,Richard L	Statistics CRDF Civilian Rsrch & Dvlpmt Foundation	12/01/96- 11/30/98	5732 \$7,500
CASE-General Account for Statistical Research	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/97	6131 \$17,000
CASE-Statistical Research & Advise	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/97	6131 \$800
CASE-Statistical Research & Advice	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/97	6131 \$640
CASE-Statistical Research & Advise	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/97	6131 \$2,365
CASE-Statistical Research & Advice	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/97	6131 \$270
CASE-General Account for Statistical Research	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/97	6131 \$120
CASE-General Account for Statistical Research	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/97	6131 \$683
CASE-General Account for Statistical Research	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/99	6131 \$170
CASE-General Account for Statistical Research	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/99	6131 \$366

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
CASE-General Account for Statistical Research	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/99	6131 \$344
CASE-General Account for Statistical Research	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/99	6131 \$210
CASE-General Account for Statistical Research	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/99	6131 \$762
Development of Transmission Facility Availability Measure & Targets	Boardman,Thomas J	Statistics EDM-Engineering Data Management, Inc.	05/19/97- 06/30/97	6251 \$12,000
Miscellaneous Services of Statistics Laboratory	Tweedie,Richard L	Statistics USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8021 \$12,540
Forest Health Assessments with Spatial Analyses of Point & Map Data - Research Joint Venture	Tweedie,Richard L	Statistics USDA-USFS-Rocky Mtn. Experiment Station	09/12/94- 01/30/97	8821 \$8,000
Forest Health Assessments with Spatial Analyses of Point & Map Data - Research Joint Venture	Tweedie,Richard L	Statistics USDA-USFS-Rocky Mtn. Experiment Station	09/12/94- 02/28/97	8821 \$4,000
CASE-Identification & Establishment of Cause-Effect Relationships using Ecological Data	Iyer,Hariharan K	Statistics USDA-USFS-Rocky Mtn. Experiment Station	09/07/95- 06/30/97	8834 \$12,000
Protein Function in Plants	Golovkin,Maxim V Reddy,A	Biology University of Colorado	12/01/96- 06/30/97	0005 \$1,000
Rearing & Analysis of Reintroduction Methods for Boreal Toads	Wunder,Bruce A	Biology Colorado Division of Wildlife	03/01/97- 06/30/97	0025 \$8,520
Impacts of Urbanization & Recreational Trails on Bird Assemblages	Wiens,John A Miller,James Robert	Biology Colorado State Parks/CO Natural Areas Pg	05/01/97- 09/01/97	0029 \$500
Effects of Changing Land Use on Wildlife Diversity	Wiens,John A Miller,James Robert	Biology Colorado Division of Wildlife	07/01/96- 06/30/97	0955 \$26,141
Systematics & Conservation of the Ginseng Genus	Wen,Jun	Biology Smithsonian Institute	06/20/97- 06/23/97	1025 \$1,000
Influence of Sex Allele Diversity on Biological Control by Bracon hebetor	Antolin,Michael F	Biology USDA-CSRS-CGP-Competitive Grants Program	08/01/94- 07/31/97	1405 \$70,000
Schizoid Signal Reception in the Vegetative Shoot Apex	Medford,June I	Biology USDA-CSRS-CGP-Competitive Grants Program	04/15/97- 08/31/97	1424 \$57,323
Analysis of Plant U1 snRNP 70K Protein Function in Basic & Alternative Splicing	Reddy,A	Biology USDA-CSRS-CGP-Competitive Grants Program	09/01/97- 08/31/99	1425 \$130,000
Toxicological Studies at the Eastern Municipal Water District Wetlands, Hemet, California	Wunder,Bruce A Nimmo,Del Wayne R	Biology DOI-National Biological Survey	06/01/96- 09/30/97	1827 \$10,925
Alterations in Species Composition of Grassland Communities Due to Changing Climates	Detling,James K	Biology National Aeronautics & Space Admin.	09/01/96- 08/31/97	1912 \$22,000
Development of Bird Repellent Aerosols	Herbers,Joan M	Biology USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2096 \$17,160
Development of Brown Tree Snake Baits & Repellents	Wright,William G	Biology USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2097 \$15,004

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Developmental Analysis of a Putative Juvenile Hormone Receptor	Wilson,Thomas G	Biology NSF-Biological Centers	03/01/95- 02/28/98	3044 \$100,000
New Hormone Related Genes in Drosophila	Wilson,Thomas G	Biology NSF-Biological Centers	03/01/95- 02/28/98	3077 \$4,821
Carbohydrate & Lipid Metabolism in Mammals	Florant,Gregory L	Biology NSF-Biological Centers	09/01/96- 08/31/98	3183 \$65,000
Research Experiences for Undergraduates	Florant,Gregory L	Biology NSF-Biological Centers	09/01/96- 08/31/98	3187 \$9,500
Strategies for Overwintering by Hatchlings of Northern Turtles	Packard,Gary C	Biology NSF-Biological Centers	06/01/97- 05/31/98	3189 \$53,000
Integrating the Life Sciences: Meeting the Needs of the 21st Century	Florant,Gregory L	Biology NSF-Biological Centers	02/15/97- 01/31/98	3196 \$5,000
Evolution of Learning-related Neuromodulation	Wright,William G	Biology NSF-Biological Centers	08/15/96- 07/31/99	3203 \$209,998
Characterization of a Limb Autotomy Factor, LAFpro, that Suspends Molting in Crustaceans	Mykles,Donald L	Biology NSF-Biological Centers	07/15/97- 07/31/99	3211 \$140,000
Evolution of Complex Colony Structure in Social Insects	Herbers,Joan M	Biology NSF-Biological Centers	07/01/95- 06/30/98	3227 \$84,000
Functional Analysis of a Novel Calmodulin-binding Protein from Arabidopsis	Reddy,A	Biology NSF-Biological Centers	08/01/96- 07/01/97	3247 \$100,239
Functional Analysis of a Novel Calmodulin-binding Protein from Arabidopsis	Reddy,A	Biology NSF-Biological Centers	08/01/96- 07/31/98	3247 \$100,451
Functional Analysis of a Novel Calmodulin-binding Protein from Arabidopsis	Reddy,A	Biology NSF-Biological Centers	04/22/97- 07/31/97	3318 \$5,000
Functional Analysis of a Novel Calmodulin-binding Protein from Arabidopsis	Reddy,A	Biology NSF-Biological Centers	04/22/97- 07/31/98	3318 \$5,000
The Effect of Hibernation & Lack of Food Intake on Atherosclerosis	Florant,Gregory L	Biology Arizona State University	01/01/97- 12/31/97	3496 \$756
Evolution of Learning-related Neuromodulation: The Evolution of the Mechanisms of Learning	Wright,William G	Biology NSF-Biological Centers	04/01/97- 07/31/99	3509 \$5,000
Vegetation Monitoring in the Pryor Mountain Wild Horse Range	Detling,James K	Biology DOI-NPS-National Park Service	05/01/94- 06/01/97	4109 \$27,000
Predicting the Effect of Global Change on Vegetation in Park Landscapes in the Central Grasslands...	Detling,James K Ojima,Dennis	Biology DOI-NPS-National Park Service	05/01/94- 04/01/98	4110 \$16,062
Impacts of Residential Development on Birds in Lowland Riparian Areas	Wiens,John A Miller,James Robert	Biology City of Fort Collins	06/01/97- 08/15/98	5166 \$1,500
Avian Diversity & Predator Assemblages in Lowland Riparian Areas	Wiens,John A Miller,James Robert	Biology City of Boulder	05/15/95- 08/10/97	5322 \$7,143
The Role of Serotonin in a Parasite-Induced Change in Behavior	Wright,William G	Biology Whitehall Foundation	01/01/95- 12/31/97	5403 \$23,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Multi-scaled Ecological Assessment Methods: Prototype Development	Poff,Nathan L	Biology University of Colorado	06/01/97- 01/31/00	5928 \$99,586
Behavioral Bioassays for Cat Fleas	Moore,Janice K	Biology Heska Corporation (Paravax)	09/15/96- 03/14/97	6219 \$23,019
Purification of Proteins for Pollen Analysis	Bedinger,Patricia A	Biology Pioneer Hi-Bred International, Inc.	06/01/97- 03/31/98	6255 \$27,508

College: Veterinary Medicine & Biomedical Sciences - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Testing Three Lots of Rabies Vaccine in a Five-dose Regimen	Jones,Robert L	Dean of Veterinary Medicine Connaught Laboratories, Inc.	10/01/96- 09/30/97	6208 \$93,437
Colorado State University VETPREP	Tucker,Alan	Dean of Veterinary Medicine HHS-PHS-Health Careers Opportunity Prgm	09/01/96- 08/31/97	7924 \$365,797
Assistance with the Purchase of Equipment for the Veterinary Teaching Hospital Ophthalmology Service	Nelson,Albert W	Veterinary Teaching Hospital The Denver Foundation	06/27/96- 06/27/97	5423 \$10,000
The Molecular Physiology of Glutamate in Taste (Project 3)	Kinnamon,Sue C	Anatomy & Neurobiology University of Miami	09/01/95- 08/31/97	4302 \$89,366
Rocky Mountain Taste & Smell Center	Kinnamon,Sue C	Anatomy & Neurobiology University of Colorado Health Sci Ctr	04/01/96- 03/31/97	4313 \$7,663
Rocky Mountain Taste & Smell Center	Kinnamon,Sue C	Anatomy & Neurobiology University of Colorado Health Sci Ctr	04/01/97- 03/31/98	4320 \$144,826
Age-related Changes in Glutamate Receptors	Magnusson,Kathy	Anatomy & Neurobiology HHS-PHS-Aging Research	01/01/97- 12/31/97	4403 \$63,936
Age-related Changes in Glutamate Receptors	Magnusson,Kathy	Anatomy & Neurobiology HHS-PHS-Aging Research	01/01/97- 12/31/97	4403 \$79,935
Electrophysiology of Taste Transduction	Kinnamon,Sue C	Anatomy & Neurobiology HHS-NIH-NIDCD-Deafness & Other Comm. Dis	04/01/97- 03/31/98	4405 \$179,443
Regulation of Membrane Excitability	Beam,Kurt G	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	05/01/97- 04/30/98	4407 \$31,998
Local Interactions between Hippocampal Neurons (Temporallobe Epilepsy)	Dudek,F Edward	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	06/01/97- 05/31/98	4412 \$185,358
Cross-species Transplantation of Circadian Behavior	Pickard,Gary E	Anatomy & Neurobiology HHS-PHS-Public Health Services	08/01/95- 01/31/97	4429 \$135,729
Cross-species Transplantation of Circadian Behavior	Pickard,Gary E	Anatomy & Neurobiology HHS-PHS-Public Health Services	02/01/97- 01/31/98	4429 \$179,371
GAP Junctions in Identified Spinal Cord Neurons of Rat	Rash,John E	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	06/01/96- 05/31/97	4617 \$223,983
GAP Junctions in Identified Spinal Cord Neurons of Rat	Rash,John E	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	06/01/97- 05/31/98	4617 \$232,943
Effects of Aging on the NMDA Receptor Complex	Magnusson,Kathy	Anatomy & Neurobiology HHS-PHS-Aging Research	07/15/96- 04/30/97	4790 \$111,296
Local Synaptic Inhibition in Hypothalamus	Waurin,Jean-Pierre Dudek,F Edward	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	03/01/96- 02/28/97	4854 \$97,974
The Determinants of Neuronal Form Core B	Kater,Stanley B Mykles,Donald L	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	04/01/94- 03/31/96	4869 \$4,408
Calcium Channels & Tonic Fibers of Extraocular Muscle	Korotzer,Andrew R Beam,Kurt G	Anatomy & Neurobiology HHS-PHS-Vision Research	10/01/96- 09/30/97	4903 \$28,600
Inhibitory Regulation of Axonal & Dendritic Growth Cones- Stipend Account	Bamburg,James R Shibata,Annemarie	Anatomy & Neurobiology HHS-NIH-NIMH-Nat Inst of Mental Health	12/01/96- 11/30/97	4907 \$13,008

College: Veterinary Medicine & Biomedical Sciences - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Inhibitory Regulation of Axonal & Dendritic Growth Cones -- Stipend Account	Bamburg,James R Shibata,Annemarie	Anatomy & Neurobiology HHS-NIH-NIMH-Nat Inst of Mental Health	12/01/96- 11/30/97	4907 \$1,488
Molecular Characterization of K ⁺ Channels in Taste Cells	Kinnamon,Sue C Stone-Roy,Leslie M	Anatomy & Neurobiology HHS-NIH-NIDCD-Deafness & Other Comm. Dis	05/01/97- 04/30/98	4911 \$25,420
Neuroanatomic Substrate for HIV-associated Seizures	Dudek,F Edward Fails,Anna Dee	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	09/01/96- 08/31/97	4934 \$35,300
Genetic Engineering of Cells Associated with Chronic Spinal Cord Injury	Nornes,Howard O Neuman,Toomas	Anatomy & Neurobiology Spinal Cord Society	08/01/96- 07/31/97	5089 \$70,047
Genetic Engineering of Cells Associated with Chronic Spinal Cord Injury	Nornes,Howard O Neuman,Toomas	Anatomy & Neurobiology Spinal Cord Society	08/01/96- 07/31/97	5089 \$1,360
Mechanism of Glutamate-mediated Activation of Vasopressin Neurons	Dudek,F Edward Smith,Bret N	Anatomy & Neurobiology American Heart Association of Colorado	07/01/96- 06/30/97	5113 \$32,430
Uptake of Glutamate May Contribute to Ischemic Brain Damage	Madl,James E	Anatomy & Neurobiology American Heart Association of Colorado	07/01/96- 06/30/97	5118 \$28,537
Physiological Effects of Central Core Disease Mutations	Dirksen,Robert T	Anatomy & Neurobiology Muscular Dystrophy Association, Inc.	01/01/97- 12/31/99	5139 \$54,190
Pharmacological Contributions of GluRB to Allosteric Modulation of AMPA Receptors	Partin,Kathryn M	Anatomy & Neurobiology Pharmaceutical Res./Mfr. of Amer. Found	01/01/97- 12/31/97	5431 \$12,500
Regulation of Membrane Excitability	Beam,Kurt G	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	05/01/97- 04/30/98	7691 \$361,592
Stem Cell Gene Therapy: Improved Retroviral Vectors for Ribozyme Gene Delivery & Development...	Akkina,Ramesh K	Pathology University of Colorado	07/01/96- 06/30/97	0994 \$30,000
Modelling Gene Therapeutic Approaches in the SCID - hu Mouse	Akkina,Ramesh K	Pathology University of California-Los Angeles	05/01/96- 04/30/97	4348 \$32,450
FeLV-FAIDS Surface Glycoprotein & Immunodeficiency	Hoover,Edward A	Pathology University of Washington	06/01/96- 05/31/97	4349 \$88,947
Modelling Gene Therapeutic Approaches in the SCID - hu Mice	Akkina,Ramesh K	Pathology University of California-Los Angeles	05/01/96- 04/30/97	4351 \$30,000
Role of Sand Fly & Tick Saliva in Disease	Titus,Richard	Pathology HHS-PHS-AID-Microbio & Infectious Dis Re	02/01/97- 01/31/98	4404 \$252,146
Feline Model of AIDS-Dementia Complex: Neuropathogenesis	Mitchell,Thomas W Gasper,Peter W	Pathology HHS-PHS-Comparative Medicine Program	07/15/96- 07/14/97	4406 \$79,604
Characterization of Feline Model of Niemann-Pick Type C	Thrall,Mary Anna	Pathology HHS-PHS-Comparative Medicine Program	09/30/96- 09/29/97	4413 \$128,495
T Cell Mediated Pathologic Responses to Murine Malaria	Avery,Anne C Wassom,Donald L	Pathology HHS-PHS-AID-Microbio & Infectious Dis Re	08/01/96- 07/31/97	4424 \$74,271
Perinatal Mucosal FIV Infection & Intervention	Obert,Leslie A Hoover,Edward A	Pathology HHS-PHS-AID-Microbio & Infectious Dis Re	09/01/96- 08/31/97	4426 \$72,662
Type 1 vs Type 2 Cytokine Response during FIV Infection	Hoover,Edward A Avery,Paul R	Pathology HHS-PHS-AID-Microbio & Infectious Dis Re	03/01/97- 02/28/98	4435 \$61,709

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
FIV Model of in Utero HIV Infection & Intervention	Hoover,Edward A Rogers,Arlin B	Pathology HHS-PHS-AID-Microbio & Infectious Dis Re	03/01/97- 02/28/98	4436 \$61,709
Immunity Induced by Avirulent Lentiviruses in Cats	Vandewoude,Sue	Pathology HHS-PHS-AID-Microbio & Infectious Dis Re	06/15/97- 05/31/98	4447 \$100,191
FIV Model of Perinatal HIV Infection & Intervention	Hoover,Edward A	Pathology HHS-PHS-Research for Mothers & Children	05/01/97- 04/30/98	4450 \$209,518
Transcriptional Control of Bovine Leukemia Virus	Brooks,Patricia A Cockerell,Gary L	Pathology HHS-PHS-Comparative Medicine Program	09/01/96- 08/31/97	4627 \$79,812
Immunoregulation in Murine Malaria	Wassom,Donald L	Pathology HHS-PHS-AID-Microbio & Infectious Dis Re	04/01/97- 03/31/98	4633 \$209,322
Mechanisms of Lentiviral Lymphoid Interstitial Pneumonia	Demartini,James C	Pathology HHS-PHS-Lung Disease Research	08/01/96- 07/31/97	4637 \$281,728
Pathogenesis of Feline Immunodeficiency Virus Infection	Hoover,Edward A	Pathology HHS-PHS-AID-Microbio & Infectious Dis Re	01/01/97- 12/31/97	4829 \$332,460
Genetics of Susceptibility to Occupational Lung Disease	Donnelly,Kevin B Wassom,Donald L	Pathology HHS-PHS-Lung Disease Research	05/01/97- 04/30/98	4909 \$29,900
Immunopathogenesis of Transmucosal FIV Infection	Hoover,Edward A Burkhard,Mary Jo	Pathology HHS-NRSA-Nat. Research Service Award	08/01/96- 07/31/97	4964 \$35,300
Post Doctor of Veterinary Medicine Trainee Position	Weiser,M Glade Cockerell,Gary L	Pathology Rhone-Poulenc Rorer	07/01/96- 06/30/97	6120 \$39,110
Effect of Proanthazone on Acetaminophen-induced Oxidative Erythrocyte Injury in Cats	Lassen,E Duane Allison,Robin W	Pathology Animal Health Options, Inc.	02/26/97- 01/31/98	6233 \$33,466
FeLV Vaccine Studies	Hoover,Edward A	Pathology Heska Corporation (Paravax)	04/15/97- 04/14/98	6240 \$186,202
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 2)	Benjamin,Stephen A	Pathology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7726 \$102,774
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 2)	Benjamin,Stephen A	Pathology HHS-PHS-Superfund Hazardous Substances	04/01/97- 03/31/98	7754 \$140,075
Multivalent Virus Vectored Vaccines for Sheep / 104-15	Demartini,James C	Pathology Washington State University	10/01/93- 06/30/97	9024 \$35,000
Regulation of Ovine GnRH Receptor Gene Expression	Clay,Colin	Physiology USDA-CSRS-CGP-Competitive Grants Program	11/01/96- 10/31/99	1354 \$127,396
Food & Agricultural Sciences National Needs Graduate Fellowships	Niswender,Gordon D	Physiology USDA-ES-CES-Cooperative Extension Srv	09/01/96- 08/31/01	1418 \$216,000
Computer Simulation of Cardiovascular Function in Reduced Gravity	Gotshall,Robert Tucker,Alan	Physiology National Aeronautics & Space Admin.	07/01/95- 06/30/97	1951 \$22,000
Cryopreservation of Sexed Bovine Sperm	Seidel,George E Jr	Physiology Atlantic Breeders Cooperative	09/19/94- 03/01/97	5010 \$3,500
Hypertension in Rats with Kidneys containing Angiotensinogen Transgenes	Wilke,Lee	Physiology American Heart Association of Colorado	07/01/96- 06/30/97	5119 \$29,474

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Methods to Enhance Viability of Cooled Stallion Sperm	Squires,Edward L	Physiology AQHA-American Quarter Horse Assoc.	10/01/97- 09/30/98	5158 \$19,958
Uterine Horn Insemination using Atraumatic, Side-opening Sheaths	Seidel,George E Jr	Physiology National Association of Animal Breeders	07/01/97- 06/30/98	5165 \$13,319
Nerve Regeneration Screen	Ishii,Douglas N	Physiology Aurogen, Inc.	09/01/96- 06/01/97	6207 \$7,134
Nerve Regeneration Screen	Ishii,Douglas N	Physiology Aurogen, Inc.	09/01/96- 06/01/97	6207 \$5,523
Nerve Regeneration Screen	Ishii,Douglas N	Physiology Aurogen, Inc.	09/01/96- 12/31/97	6207 \$2,210
Nerve Regeneration Screen	Ishii,Douglas N	Physiology Aurogen, Inc.	09/01/96- 12/31/97	6207 \$5,000
Nerve Regeneration Screen	Ishii,Douglas N	Physiology Aurogen, Inc.	09/01/96- 12/31/97	6207 \$8,044
Phase I - Sexing Mammalian Semen	Seidel,George E Jr	Physiology XY, Inc.	11/01/96- 02/28/97	6217 \$60,371
Phase I - Sexing Mammalian Semen	Seidel,George E Jr	Physiology XY, Inc.	11/01/96- 04/30/97	6217 \$29,886
Phase I - Sexing Mammalian Semen	Seidel,George E Jr	Physiology XY, Inc.	11/01/96- 06/30/97	6217 \$29,886
Doramectin Study	Squires,Edward L	Physiology Pfizer Inc - Animal Health	03/01/97- 10/31/98	6232 \$399,137
Efficacy of an Oral IgG Product for Newborn Foals	Squires,Edward L Franz,Lilian	Physiology Diagnon Corporation	03/01/97- 08/01/97	6238 \$24,954
Treatment of Diabetic Neuropathy	Ishii,Douglas N	Physiology Aurogen, Inc.	09/01/96- 08/31/97	7509 \$43,839
Impact of Lung Injury on the Immature Pulmonary Circulation	Tucker,Alan	Physiology University of Colorado Health Sci Ctr	12/01/96- 11/30/97	7514 \$44,892
Regulation of LH Receptors & Progesterone Secretion	Niswender,Gordon D	Physiology HHS-PHS-Population Research	12/01/96- 11/30/97	7637 \$151,022
Cryopreservation of Mouse Sperm	Graham,James K	Physiology HHS-PHS-Population Research	06/01/97- 05/31/98	7653 \$102,355
Regulation of GnRH Receptor Gene Expression	Clay,Colin	Physiology HHS-PHS-Population Research	01/01/97- 12/31/97	7675 \$100,389
Science Motivation Program - Exposing High School Students & Teachers to Laboratory Research	Miller,Charles W	Physiology HHS-DRR-Biomedical Research Support Gnt.	04/01/97- 03/31/98	7689 \$70,698
Organization of LH Receptors on Hormone Responsive Cells	Roess,Deborah A	Physiology HHS-PHS-Population Research	06/01/97- 05/31/98	7694 \$195,534
Recovery from Nerve Injury - Project 4	Ishii,Douglas N	Physiology HHS-CDC-Environ. Hlth & Injury Control	09/01/96- 08/31/97	7704 \$62,055

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Membrane Events following Hormone Binding to LH Receptor	Roess,Deborah A	Physiology HHS-PHS-NCI-Cancer Treatment Center	04/01/97- 03/31/98	7761 \$134,543
Regulatory Mechanisms of Cardiac Repolarization	Tamkun,Michael	Physiology HHS-NIH-Child Health & Human Development	07/01/97- 12/31/97	7764 \$163,575
Mechanisms of GnRH Receptor Gene Expression	Clay,Colin Duval,Dawn L	Physiology HHS-NRSA-Nat. Research Service Award	09/01/96- 08/31/97	7922 \$24,200
Students in Health Professional Schools - A Short Term Research Training Experience	Niswender,Gordon D	Physiology HHS-PHS-Population Research	05/01/97- 04/30/98	7925 \$42,107
HZE Radiation Genotoxicity in Cultured Mammalian Cells	Waldren,Charles A	Radiological Health Sciences NASA-Goddard	12/01/96- 11/30/97	1938 \$129,794
Responses of Leukemic Cells & Transfections to X-rays & Heat Treatments	Lett,John T	Radiological Health Sciences DOD-USAF-Air Force	09/28/95- 07/31/97	2586 \$30,000
NASA Specialized Center of Research & Training for Radiation Health	Gillette,Edward L Lett,John T	Radiological Health Sciences Univ California-Lawrence Berkeley Lab	06/26/92- 06/30/97	2701 \$90,829
Determining Significant Endpoints for Risk Analysis	Bedford,Joel S Whicker,Floyd W	Radiological Health Sciences University of Georgia	01/01/97- 12/31/97	3982 \$127,134
Molecular Cytogenetics of Canine Cancer	Larue,Susan M	Radiological Health Sciences Morris Animal Foundation	09/01/96- 08/31/98	5208 \$59,837
Relating Cancer Genetics to Cytogenetic Changes	Larue,Susan M	Radiological Health Sciences Milheim Foundation for Cancer Research	07/01/96- 06/30/97	5420 \$10,000
Radiological Environmental Monitoring Program	Johnson,James E	Radiological Health Sciences Public Service Company of Colorado	01/01/96- 12/31/96	6158 \$114,327
Mutagenicity in the AC/PECH Cell System of Food Mutagens	Waldren,Charles A	Radiological Health Sciences Nabisco Company	01/01/91- 11/01/97	6569 \$35,000
Hyperthermia & Perfusion Effects in Cancer Therapy	Gillette,Edward L	Radiological Health Sciences Duke University	08/19/96- 07/31/97	7512 \$159,960
Hyperthermia & Perfusion Effects in Cancer Therapy	Gillette,Edward L	Radiological Health Sciences Duke University	08/19/96- 07/31/97	7513 \$36,083
Radiobiology of Lethality, Mutation, & Transformation	Elkind,Mortimer M	Radiological Health Sciences HHS-NIH-NCI-National Cancer Institute	04/01/97- 03/31/98	7650 \$585,763
Cell Genetic Damage at Low Dose & Low Dose Rate	Waldren,Charles A	Radiological Health Sciences HHS-NIH-NCI-National Cancer Institute	02/01/97- 01/31/98	7733 \$264,303
Radiological Sciences Basic to Cancer Research	Bedford,Joel S	Radiological Health Sciences HHS-PHS-Cancer Research Manpower	09/01/95- 08/31/96	7914 \$13,932
Radiological Sciences Basic to Cancer Research	Bedford,Joel S	Radiological Health Sciences HHS-PHS-Cancer Research Manpower	09/01/96- 08/31/97	7923 \$174,370
Lead Research	Reif,John S	Environmental Health Colorado Dept Public Health & Environ	10/01/96- 09/30/97	0002 \$4,638
Lead Research	Reif,John S	Environmental Health Colorado Dept Public Health & Environ	10/01/96- 09/30/97	0003 \$48,100

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Pasteurella SPP. Investigations	Salman,Mowafak D	Environmental Health Colorado Division of Wildlife	10/01/96- 06/30/97	0004 \$18,042
Lead Research	Reif,John S	Environmental Health Colorado Dept Public Health & Environ	10/01/95- 09/30/96	0856 \$1,762
Occupational Health & Safety Consultation Program	Buchan,Roy M	Environmental Health DOL-OSHA-Occupa. Safety & Health Admin.	10/01/96- 09/30/97	1011 \$486,600
Occupational Health & Safety Consultation Program - On-site to Small, High Hazard Businesses in Colorado	Buchan,Roy M	Environmental Health DOL-OSHA-Occupa. Safety & Health Admin.	10/01/96- 09/30/97	1011 \$37,400
American Dipper Toxic Metal Exposure Biomarker Pilot Study	Ramsdell,Howard S	Environmental Health DOI-USFWS-Fish & Wildlife Service	09/23/96- 12/31/97	1773 \$14,980
Epidemiology of Vesicular Stomatitis in the Western Hemisphere	Salman,Mowafak D	Environmental Health USDA-OICD-International Coop. Develop.	09/16/96- 09/30/98	2091 \$48,990
Patterns in Interstate Beef Cattle Movements	Salman,Mowafak D	Environmental Health USDA-APHIS-Ag & Plant Health Insp Srvc	12/13/96- 09/30/97	2093 \$44,127
Molecular Diagnosis & Screening for M. Bovis Infection in Ungulates (Bovine TB)	Salman,Mowafak D	Environmental Health USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2094 \$50,000
Molecular Diagnosis & Screening for M. Bovis Infection in Ungulates (Bovine TB)	Salman,Mowafak D	Environmental Health USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2094 \$11,700
Factors Associated with Relinquishment of Dogs & Cats	Salman,Mowafak D	Environmental Health Natl Council Pet Population Study/Policy	01/01/95- 12/31/97	5032 \$6,500
Factors Associated with Relinquishment of Dogs & Cats	Salman,Mowafak D	Environmental Health Natl Council Pet Population Study/Policy	01/01/95- 12/31/97	5032 \$10,000
Effects of Caffeine on Semen Quality	Bigelow,Philip L	Environmental Health National Coffee Association of the USA	08/01/96- 12/31/96	5116 \$6,754
Training Programs in Veterinary Epidemiology	Salman,Mowafak D	Environmental Health Teachers of Veterinary Public Health	01/01/94- 12/31/96	5537 \$27,930
Training Programs in Veterinary Epidemiology	Salman,Mowafak D	Environmental Health Teachers of Veterinary Public Health	01/01/94- 12/31/97	5537 \$32,650
Training Programs in Veterinary Epidemiology	Salman,Mowafak D	Environmental Health Teachers of Veterinary Public Health	01/01/94- 12/31/97	5537 \$12,375
Training Programs in Veterinary Epidemiology	Salman,Mowafak D	Environmental Health Teachers of Veterinary Public Health	01/01/94- 12/31/97	5537 \$7,543
Training Programs in Veterinary Epidemiology	Salman,Mowafak D	Environmental Health Teachers of Veterinary Public Health	01/01/94- 12/31/97	5537 \$3,100
Training Programs in Veterinary Epidemiology	Salman,Mowafak D	Environmental Health Teachers of Veterinary Public Health	01/01/94- 12/31/97	5537 \$1,500
Training Programs in Veterinary Epidemiology	Salman,Mowafak D	Environmental Health Teachers of Veterinary Public Health	01/01/94- 12/31/97	5537 \$42,428
Residential Pesticide Application Reducing Risk through Training	Bigelow,Philip L	Environmental Health EPA-Pesticides Control Research	09/10/96- 03/09/98	5806 \$39,926

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Analysis of Ecosystem Stressors Across Scales Using Remotely Sensed Imagery	Weigel,Stephanie J	Environmental Health EPA-Environmental Education Grants	10/15/96- 10/14/99	5819 \$251,237
Pilot Study to Evaluate the Relationship between Birth Weight & Exposure to Byproducts...	Nuckols,John R	Environmental Health Environmental Protection Agency	10/01/94- 09/30/97	5841 \$94,632
Biomarkers & Effects of Estrogenic Environmental Chemicals in Frogs	Ramsdell,Howard S	Environmental Health Environmental Protection Agency	10/01/95- 09/30/97	5852 \$77,383
Current Issues on Chemical Mixtures	Yang,Raymond S H	Environmental Health Environmental Protection Agency	04/30/97- 09/30/97	5857 \$10,000
Identification of Geographic Area Specific Water Systems for Health Effects Studies	Nuckols,John R	Environmental Health Hagler Bailly Consulting, Inc.	04/22/97- 01/31/99	5927 \$60,145
Cadmium & Arsenic QA/QC - ENSR/Globeville	Tessari,John Domenic	Environmental Health ENSR Consulting & Engineering	04/01/96- 12/31/97	6177 \$13,500
Statistical Evaluation of TAS Study of UNIPRIM in Horses	Keefe,Thomas J	Environmental Health Macleod Pharmaceuticals, Inc	07/01/96- 06/30/97	6189 \$8,344
Organochlorine Compounds & Risk of Breast Cancer	Tessari,John Domenic	Environmental Health Yale University	09/30/95- 09/29/96	7505 \$5,000
Geographic Information System (GIS) for Agricultural Chemicals Exposure	Nuckols,John R	Environmental Health Survey Research Assoc, Inc/sub Battelle	08/01/96- 01/31/97	7508 \$49,996
Organochlorine Compounds & Risk of Breast Cancer	Tessari,John Domenic	Environmental Health Yale University	09/30/96- 09/29/97	7510 \$49,282
Northeast / Mid-Atlantic Analytical Quality Control & Assessment	Tessari,John Domenic	Environmental Health Yale University	01/22/97- 09/29/97	7515 \$24,999
Geographic Information System (GIS) for Agricultural Chemicals Exposure	Nuckols,John R	Environmental Health Westat, Inc.	03/01/97- 12/31/01	7516 \$67,128
Liver Toxicity of Hemoglobin Solutions	Billings,Ruth E	Environmental Health HHS-PHS-Blood Diseases & Resources Res.	08/01/95- 07/31/96	7656 \$206,983
Colorado Injury Control Research Center	Stallones,Lorann	Environmental Health HHS-CDC-Environ. Hlth & Injury Control	09/01/96- 08/31/97	7700 \$209,526
Administrative Core - Hazardous Waste Chemical Mixtures	Yang,Raymond S H	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7722 \$69,189
Integrated Research on Hazardous Waste Chem Mixtures (Core B) Analytical	Tessari,John Domenic	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7723 \$35,857
Integrated Research on Hazardous Waste Chemical Mixtures (Core C)	Nuckols,John R	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7724 \$44,633
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 1)	Yang,Raymond S H	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7725 \$76,914
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 3)	Billings,Ruth E	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7727 \$59,677
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 3)	Billings,Ruth E	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7727 \$20,255

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Colorado Farm Family Health & Hazard Surveillance	Stallones,Lorann	Environmental Health HHS-Occup Safety/Health Research Grants	09/28/96- 09/27/97	7737 \$320,000
Colorado Farm Family Health & Hazard Surveillance	Stallones,Lorann	Environmental Health HHS-Occup Safety/Health Research Grants	09/28/96- 09/27/97	7737 \$75,000
Application of Physiologically Based Pharmacokinetic/Pharmacodynamic (PB-PK.PD) Mode...	Yang,Raymond S H	Environmental Health HHS-PHS-Toxic Substances & Dis. Registry	09/30/96- 09/29/97	7739 \$208,332
Melatonin & Occupational Electric & Magnetic Fields Exposure	Reif,John S	Environmental Health HHS-NIH-Environmental Health Services	08/20/96- 07/31/97	7740 \$284,330
High Plains Intermountain Center for Agricultural Health & Safety	Buchan,Roy M	Environmental Health HHS-Occup Safety/Health Research Grants	09/30/96- 09/29/97	7741 \$540,000
Symposium on Current Issues of Chemical Mixtures	Yang,Raymond S H	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7742 \$41,000
Symposium on Current Issues of Chemical Mixtures	Yang,Raymond S H	Environmental Health HHS-PHS-Superfund Hazardous Substances	07/30/96- 08/31/97	7747 \$10,000
Arsenic-containing Mixtures in Angiosarcoma Induction	Pott,Wendy A	Environmental Health HHS-PHS-Cancer Research Manpower	02/15/97- 01/31/98	7748 \$41,880
Administrative Core - Integrated Research on Hazardous Waste Chemical Mixtures	Yang,Raymond S H	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/97- 03/31/98	7750 \$120,413
Integrated Research on Hazardous Waste Chemical Mixtures (Core B) Analytical	Tessari,John Domenic	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/97- 03/31/98	7751 \$69,537
Integrated Research on Hazardous Waste Chemical Mixtures (Core C)	Nuckols,John R	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/97- 03/31/98	7752 \$84,422
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 1)	Yang,Raymond S H	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/97- 03/31/98	7753 \$119,969
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 3)	Billings,Ruth E	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/97- 03/31/98	7755 \$106,861
Graduate Training Programs	Buchan,Roy M	Environmental Health HHS-Occup Health/Safety Training Grants	07/01/96- 06/30/97	7918 \$5,000
Oxygen Radical-mediated Gene Expression in Hepatocytes	Billings,Ruth E Miller,Danette R	Environmental Health HHS-NIH-Digestive Diseases & Nutri. Res.	09/01/96- 08/31/97	7954 \$28,600
Cutthroat Trout Genetics	Ellis,Robert P	Microbiology Colorado Division of Wildlife	11/21/96- 06/30/97	0007 \$40,260
Whirling Disease PCR Testing	Ellis,Robert P	Microbiology Colorado Division of Wildlife	01/01/97- 12/31/97	0028 \$10,000
Population Genetics of Colorado Fishes	Ellis,Robert P	Microbiology Colorado Division of Wildlife	05/23/96- 12/31/96	0923 \$17,600
Arthropod Transmission of Vesicular Stomatitis Virus	Beaty,Barry J	Microbiology USDA-CSRS-SRG-Special Research Grants	05/15/96- 05/30/98	1408 \$52,000
Researching New Relationships between Government, Industry & the Education Community	Coulter,Gary R	Microbiology NASA-ARC-Ames Research Center	07/01/96- 06/30/97	1928 \$371,577

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Phylogenetic Analysis of Biogeography, Habitat & Host Associations in Ticks	Black,William C IV	Microbiology NSF-Biological Centers	03/01/95- 02/28/98	3057 \$44,720
REU: Phylogenetic Analysis of Biogeography, Habitat & Host Associations in Ticks	Black,William C IV	Microbiology NSF-Biological Centers	03/13/97- 02/28/98	3199 \$9,998
New Drugs for Mycobacterial Infections in AIDS Patients	McNeil,Michael R Besra,Gurdyal S	Microbiology Southern Research Institute	04/01/96- 06/30/97	4300 \$36,660
Tuberculosis Epidemiology Center	Orme,Ian M	Microbiology Case Western Reserve University	09/30/94- 09/29/97	4310 \$98,661
CSU Sub-contract with Case Western University (Dr. Boom)	Orme,Ian M	Microbiology Case Western Reserve University	09/01/96- 08/31/97	4312 \$93,806
Exploitation of Novel Pathways for New Tuberculosis Therapeutics	McNeil,Michael R	Microbiology National Jewish Center	09/01/96- 05/31/97	4316 \$90,112
Life Cycle Stages & Pathogenicity of M Tuberculosis	Orme,Ian M	Microbiology Washington University, Missouri	09/01/96- 08/31/97	4317 \$39,027
Mosquito Transformation with Novel Retrovirus Vectors	Higgs,Stephen	Microbiology University of California	04/01/96- 03/31/97	4339 \$59,095
Mosquito Transformation with Novel Retrovirus Vectors	Higgs,Stephen	Microbiology University of California	04/01/97- 03/31/98	4339 \$57,574
A Genetic Approach to Mosquito-Borne Disease Control Project 4	Beaty,Barry J Carlson,Jonathan O	Microbiology University of Wisconsin	06/01/96- 05/31/97	4350 \$200,623
Cell Wall of M. Tuberculosis; Focus for Drug Discovery	Brennan,Patrick J	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	08/01/96- 07/31/97	4408 \$464,830
Defined Native Antigens & Immunity to Tuberculosis	Orme,Ian M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	03/01/97- 02/28/98	4409 \$193,173
Cell Wall of M. Tuberculosis; Focus for Drug Discovery	Belisle,John T	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	08/01/96- 07/31/97	4410 \$87,139
Cell Wall of M. Tuberculosis; Focus for Drug Discovery	Inamine,Julia M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	08/01/96- 07/31/97	4411 \$134,230
Structure of LAM in Relation to Biology & Biosynthesis	Chatterjee,Delphi	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	06/01/97- 05/31/98	4421 \$165,203
Longitudinal Studies of Rodent Reservoirs of Hantaviruses in the Southwestern U.S.	Beaty,Barry J Calisher,Charles H	Microbiology HHS-CDC-Centers for Disease Control	09/30/96- 09/29/97	4428 \$132,621
Aging & Immunity to Tuberculosis	Orme,Ian M	Microbiology HHS-PHS-Aging Research	01/01/97- 12/31/97	4431 \$230,417
Resource for Tuberculosis Vaccine Testing	Orme,Ian M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	02/01/97- 01/31/98	4434 \$308,684
Molecular Taxonomy of Lyme Disease Vector Species	Black,William C IV Hutcheson,Harry Joel	Microbiology HHS-NRSA-Nat. Research Service Award	03/01/97- 02/28/98	4437 \$25,420
Dengue Control in Mosquitoes by Single Chain Antibodies	Olson,Kenneth E Higgs,Stephen	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	04/01/97- 03/31/98	4438 \$113,474

College: Veterinary Medicine & Biomedical Sciences - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Genetics of Transovariole Transmission - Mosquito-borne Viral Disease Studies	Black,William C IV	Microbiology HHS-PHS-Public Health Services	04/01/97- 03/31/98	4439 \$118,801
Interference to Dengue Virus Replication in Mosquitoes	Blair,Carol D Olson,Kenneth E	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	04/01/97- 03/31/98	4441 \$56,352
HSV Latency in Neurons	Wilcox,Christine L	Microbiology HHS-PHS-Biol Basis Research in Neurosci	06/01/97- 03/31/98	4442 \$177,070
Leprosy Research Support & Maintenance of an Armadillo Colony: Part I: Leprosy Research	Brennan,Patrick J	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	06/30/96- 06/29/98	4625 \$381,713
Molecular Genetic Analysis of Mycobacterium Tuberculosis	Inamine,Julia M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	08/01/96- 07/31/97	4649 \$64,422
Tuberculosis Research Materials	Belisle,John T Orme,Ian M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	07/01/92- 06/30/97	4801 \$100,000
Cell Wall Biogenesis: Target for New Anti-Tuberculosis Drugs	McNeil,Michael R Inamine,Julia M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	09/01/96- 08/31/97	4818 \$448,371
Surface Antigens of M. Leprae & Other Mycobacteria	Brennan,Patrick J McNeil,Michael R	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	01/01/97- 12/31/97	4824 \$241,509
Interference with Dengue Virus Replication in Mosquitoes	Blair,Carol D Higgs,Stephen	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	04/01/95- 03/31/97	4833 \$286,539
Cell Wall Mutants of M. Tuberculosis	Besra,Gurdyal S Belisle,John T	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	07/01/96- 06/30/97	4849 \$151,147
Cell Wall Mutants of M. Tuberculosis	Besra,Gurdyal S Belisle,John T	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	07/01/96- 06/30/98	4849 \$157,190
A Resource for Tuberculosis Vaccine Testing	Orme,Ian M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	02/01/94- 01/31/97	4852 \$99,106
Molecular Genetic Control of Vector Potential	Carlson,Jonathan O Beaty,Barry J	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	02/01/97- 01/31/98	4855 \$203,362
Animal Model Testing of Tuberculosis (TB) Drugs	Orme,Ian M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	07/01/94- 06/30/98	4856 \$362,951
Further Structural Studies of LAM toward Deciphering its Biological Holes in Virulence	Chatterjee,Delphi	Microbiology Heiser Program/Rsrch./Leprosy & Tuberc.	07/01/94- 12/31/97	5001 \$30,000
MacArthur Program: Vector Molecular Biology	Beaty,Barry J	Microbiology MacArthur Foundation	01/01/97- 12/31/97	5187 \$252,839
MacArthur Course: Biology of Disease Vectors	Beaty,Barry J	Microbiology MacArthur Foundation	01/01/97- 12/31/97	5205 \$42,353
A Densovirus Pathogenic for Anopheles Mosquitoes	Carlson,Jonathan O	Microbiology WHO-World Health Organization	12/01/95- 09/30/97	5340 \$5,000
Vector Molecular Biology Institutes	Beaty,Barry J	Microbiology MacArthur Foundation	01/01/97- 12/31/97	5401 \$129,864
Distribution of a Textbook, Biology of Disease Vectors	Beaty,Barry J Marquardt,William C	Microbiology MacArthur Foundation	12/01/94- 12/31/97	5402 \$2,210

College: Veterinary Medicine & Biomedical Sciences - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Analyze New Adjuvant	Brennan,Patrick J	Microbiology Bioniche of London Ontario, Canada	07/01/94- 12/31/96	6039 \$500
Provision of Isolates of Mycobacterium avium/Mycobacterium intracellulare	Brennan,Patrick J	Microbiology Abbott Laboratories	04/01/96- 03/31/97	6174 \$2,500
Targeting DNA Vaccines to Professional Antigen Presenting Cells	Howell,Mark D	Microbiology Immune Response Corporation	07/01/96- 06/30/97	6191 \$25,000
Identification of Inhibitors of Mycobacterial Linkage Unit Synthesis (Tuberculosis)	Brennan,Patrick J	Microbiology Glaxo Inc.	06/01/96- 05/31/98	6192 \$59,104
Identification of Inhibitors of Mycobacterial Linkage Unit Synthesis (Tuberculosis)	Brennan,Patrick J	Microbiology Glaxo Inc.	06/01/96- 05/31/98	6192 \$60,896
Growth of M. Tuberculosis	Belisle,John T	Microbiology Procept, Inc.	09/01/96- 02/28/97	6211 \$7,602
Testing the Efficacy of Vaccine Candidates against Mycobacterium Tuberculosis	Orme,Ian M	Microbiology Merck Sharp & Dohme (Merck & Company)	12/18/96- 12/17/97	6226 \$80,000
Tuberculosis Vaccine: IL-2 Dosing	Orme,Ian M	Microbiology Chiron Corporation	04/09/97- 04/09/99	6248 \$27,000
Mycolic Acid Synthesis; Target for New Drugs against Tuberculosis	Brennan,Patrick J	Microbiology SmithKline Beecham Pharmaceuticals	04/01/94- 03/31/97	6896 \$98,664
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 5)	Beaty,Barry J	Microbiology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7728 \$95,590
Integrated Research on Hazardous Waste Chemical Mixtures (Core B) Molecular	Black,William C IV	Microbiology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7731 \$36,192
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 5)	Beaty,Barry J	Microbiology HHS-PHS-Superfund Hazardous Substances	04/01/97- 03/31/98	7756 \$146,961
Integrated Research on Hazardous Waste Chemical Mixtures (Core B) Molecular	Black,William C IV Duteau,Nancy M	Microbiology HHS-PHS-Superfund Hazardous Substances	04/01/97- 03/31/98	7759 \$69,537
Rocky Mountain Raptor Program	Scherpelz,Judith A	Clinical Sciences Colorado Division of Wildlife	07/01/96- 06/30/97	0821 \$7,500
Options for Monitoring of Equine Diseases in the United States	Traub-Dargatz,Josie	Clinical Sciences USDA-APHIS-Ag & Plant Health Insp Srvc	10/11/96- 09/30/97	2088 \$32,074
In Vitro & In Vivo Evaluation of Subchondral Bone Microdamage & Remodeling in the Carp...	McIlwraith,C Wayne Kawcak,Christopher E	Clinical Sciences AQHA-American Quarter Horse Assoc.	10/01/96- 09/30/98	5088 \$23,770
An Investigation Into the Effect of Conformation on Lameness & Orthopedic Injury in Race Horses	McIlwraith,C Wayne Anderson,Tina Marie	Clinical Sciences AQHA-American Quarter Horse Assoc.	10/01/96- 12/31/97	5099 \$25,000
Evaluation of Cisplatin in Combination with a Biologic Response Modifier in a Rodent Model of Mammary..	Dernell,William S	Clinical Sciences University of Colorado School of Pharma	08/01/96- 06/30/97	5137 \$30,589
Heat Treatment of Massive Bone Allograft	Withrow,Stephen J	Clinical Sciences AlloSource	01/01/97- 12/31/97	5142 \$20,868
Interleukin-1 Receptor Antagonist Gene Expression by Synoviocytes as a Novel Treatment...	Frisbie,David D McIlwraith,C Wayne	Clinical Sciences AAEP-Am Assoc of Equine Practitioners	04/01/97- 03/30/98	5155 \$8,022

College: Veterinary Medicine & Biomedical Sciences - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
The Role of Thiopurine Methyltransferase	White,Stephen D	Clinical Sciences ACVD-American College/Veterinary Dermato	05/01/97- 04/30/98	5161 \$3,350
Intra-Articular Administration of Morphine to Control Pain in Dogs following Elbow Joint Surgery	Schwarz,Peter D	Clinical Sciences Morris Animal Foundation	02/01/97- 01/31/98	5201 \$7,500
Physical Therapy Following Knee Surgery - A Prospective Clinical Study	Schwarz,Peter D	Clinical Sciences Morris Animal Foundation	09/01/96- 08/31/98	5202 \$22,518
Effects of Exercise on Subchondral Bone of Horses, & Correlation to Diagnostic Techniques	McIlwraith,C Wayne Kawcak,Christopher E	Clinical Sciences Morris Animal Foundation	09/01/96- 08/31/97	5210 \$35,350
Osteogenesis via the Deconstruction of Strain History	Turner,Anthony Simon	Clinical Sciences Univer. of New York Research Foundation	12/01/95- 01/31/97	5341 \$4,628
The Role of Type XI Collagen in the Functional Integrity of Normal & Osteoarthritic...	Oxford,Julia Thom	Clinical Sciences Arthritis Foundation	07/01/96- 06/30/99	5421 \$75,000
Black-footed Ferret Wastage Reduction: Modeling Increased Production of the Captive Endangered...	Wimsatt,Jeffrey H	Clinical Sciences Morris Animal Foundation	12/01/96- 11/30/98	5428 \$7,532
Determination of Energy & Fluid Requirements of Critically Ill Dogs with Indirect Calorimetry...	Ogilvie,Gregory K	Clinical Sciences Morris Animal Foundation	12/01/96- 11/30/99	5430 \$59,800
A Biomechanical Evaluation of the Fixator Pin-connecting Bar Junction of Kirschner	Egger,Erick L Huber,Douglas James	Clinical Sciences ACVS Research & Education Foundation	04/01/97- 03/31/98	5433 \$8,460
The Effects of Radiofrequency Energy on Normal Equine Articular Cartilage	McIlwraith,C Wayne	Clinical Sciences Steadman Hawkins Research Foundation	06/01/97- 05/31/98	5445 \$15,500
Lymphoma Diet Research	Ogilvie,Gregory K	Clinical Sciences Hill's Pet Nutrition, Inc.	11/01/92- 01/01/98	5667 \$55,957
Ogilvie Lymphoma Diet Research	Ogilvie,Gregory K	Clinical Sciences Hill's Pet Nutrition, Inc.	11/01/92- 01/01/98	5667 \$90,000
Aging on Bone-implant Interface	Turner,Anthony Simon	Clinical Sciences Howmedica	02/10/94- 01/01/97	6100 \$7,000
Identification of Metaloproteinases in Canine Tissue	Ogilvie,Gregory K	Clinical Sciences Bayer Company	07/10/96- 12/31/99	6190 \$893,469
Evaluation of Mechanism of Action of Intravenous Hyaluronan (Legend) in the Horse	McIlwraith,C Wayne Hendrickson,Dean A	Clinical Sciences Bayer Corp. / Agriculture Division	06/01/96- 05/30/97	6193 \$80,304
Radiofrequency (Electrosurgical) Ablation of Articular Cartilage for Osteoarthritis	Turner,Anthony Simon	Clinical Sciences Electroscope, Inc.	06/26/96- 03/31/97	6195 \$34,171
Radiofrequency (Electrosurgical) Ablation of Articular Cartilage for Osteoarthritis	Turner,Anthony Simon	Clinical Sciences Electroscope, Inc.	06/26/96- 04/30/97	6195 \$4,080
Meniscal Regeneration with Collagen Scaffolds: A Study in Sheep	Turner,Anthony Simon	Clinical Sciences Sulzer Innotec, Winterthur, Switzerland	07/22/96- 01/21/97	6196 \$18,475
Feline Propofol Field Study	Gaynor,James S	Clinical Sciences Mallinckrodt Veterinary, Inc.	07/15/96- 07/15/97	6200 \$7,500
Evaluation of the Magnavet to Provide Postoperative Analgesia in the Dog	Hellyer,Peter W Gaynor,James S	Clinical Sciences Integra Animal Health/Integra Hlth Intl	10/01/96- 09/30/97	6202 \$9,773

College: Veterinary Medicine & Biomedical Sciences - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Efficacy of Milbemycin Oxime in the Treatment of Cheyletiella sp Infestation in Dogs	White,Stephen D	Clinical Sciences CIBA-GEIGY Chemical Company	08/01/96- 08/01/98	6204 \$4,194
Electrical Stimulation of Bone Graft Substitutes in Long Bone Defects: A Pilot Study	Turner,Anthony Simon	Clinical Sciences EBI-Electro-Biology, Inc.	09/01/96- 08/31/97	6205 \$5,322
Electrical Stimulation of Bone Graft Substitutes in Long Bone Defects: A Pilot Study	Turner,Anthony Simon	Clinical Sciences EBI-Electro-Biology, Inc.	09/01/96- 08/31/97	6205 \$934
Evaluation of Composite Tissue Adhesive in an Ovine Model	Turner,Anthony Simon	Clinical Sciences Cohesion Corporation	08/30/96- 12/31/96	6209 \$25,627
Effects of N-3 Fatty Acid Supplementation on a Model of Glomerulonephritis in Dogs	Grauer,Gregory F	Clinical Sciences Iams Company	09/01/96- 08/31/98	6213 \$67,807
Meniscus Repair Using a Mensical Tack: A Study in Sheep	Turner,Anthony Simon	Clinical Sciences Innovasive Devices, Inc.	11/01/96- 02/28/98	6216 \$2,483
Meniscus Repair Using a Mensical Tack: A Study in Sheep	Turner,Anthony Simon	Clinical Sciences Innovasive Devices, Inc.	11/01/96- 02/28/98	6216 \$32,095
Meniscus Repair Using a Mensical Tack: A Study in Sheep	Turner,Anthony Simon	Clinical Sciences Innovasive Devices, Inc.	11/01/96- 02/28/98	6216 \$20,091
Determination of the Efficacy of MMPI for the Treatment of Osteosarcoma, Hemangiosarcoma...	Ogilvie,Gregory K	Clinical Sciences Bayer Corp / Ag - Animal Health Division	07/10/96- 12/31/99	6218 \$693,963
Articular Cartilage Autograft Transplantation	Turner,Anthony Simon	Clinical Sciences Sulzer Innotec, Winterthur, Switzerland	11/01/96- 07/31/97	6221 \$20,735
Safety of Moxidectin Injectable (Alternative Formulation) in Breeding Bulls	Mortimer,Robert G	Clinical Sciences Fort Dodge Animal Health (old Cyanamid)	12/05/96- 12/15/97	6224 \$113,685
Development of Synovial Fluid & Serum Markers of Joint Disease in the Horse	McIlwraith,C Wayne	Clinical Sciences Bayer Corp. / Agriculture Division	11/01/96- 09/30/98	6225 \$358,000
Efficacy of a Vector Based Canine Distemper Vaccine in the Domestic Ferret	Wimsatt,Jeffrey H	Clinical Sciences Rhône Merieux, Inc.	03/01/97- 02/28/98	6236 \$53,022
Osteochondral Defect Repair using Osteogenic Protein-1 (BMP7): A Study	Turner,Anthony Simon	Clinical Sciences Creative Biomolecules	05/01/97- 05/31/98	6245 \$95,718
Serum, Salivary, & Fecal Cryptosporidium Antibodies in Experimentally Inoculated	Lappin,Michael R McReynolds,Christopher	Clinical Sciences Heska Corporation (Paravax)	04/07/97- 12/31/97	6246 \$14,033
Toxoplasma Gondii-Specific IgM, IgG, & IgA Responses in the Serum, Salvia & Duodenal Secretions of Cats...	Lappin,Michael R	Clinical Sciences Heska Corporation (Paravax)	12/15/93- 12/14/96	6892 \$7,500
Aged Ovariectomized Ewe as a Model for Menopause	Turner,Anthony Simon Gaynor,James S	Clinical Sciences HHS-PHS-Aging Research	04/01/97- 03/31/98	7763 \$72,458

College: Other - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Fellowship for Tamera Minnick	Jaros,Dean Coffin,Debra P	Graduate School National Science Foundation	09/01/96- 08/31/97	3632 \$23,000
Fellowship for Jan Kok	Jaros,Dean Chen,Wei (Tom)	Graduate School National Science Foundation	06/01/96- 05/31/97	3633 \$23,000
Fellowship for Megan Maddox	Jaros,Dean Duchateau,Paul C	Graduate School National Science Foundation	09/01/96- 08/31/97	3634 \$23,000
A Comprehensive Program - Graduate Program in Engineering & Science	Wilcox,Anne M Cook,Alicia S	Graduate School DE-Ronald E McNair Post-Baccal Achieve	10/01/96- 09/30/97	4212 \$190,000
1996-97 Peace Corps Strategy Contract	Denney,Martha A	International Education Action/Peace Corps	10/01/96- 09/30/97	1012 \$13,700
ZAP - ACLIN Subgrant - Service for Colorado's Libraries	Wessling,Julie E	Library Colorado State Library (LSCA)	06/01/97- 05/31/98	0033 \$2,500
Virtual Library Connections	Wessling,Julie E	Library CCHE-Commission on Higher Education	06/01/97- 05/31/99	0111 \$281,475
ZAP - Access Colorado Library & Information Network	Wessling,Julie E	Library Colorado Department of Education	06/01/96- 05/31/97	0986 \$2,500
INTERACTE Colorado: Interactive Access to Training & Education for Colorado	Maher,Thomas G	Instructional Services CCHE-Commission on Higher Education	07/01/96- 06/30/97	0997 \$200,000
Accident Investigation/Reconstruction	Wolfe,Gaylene M	Continuing Education-Administration Colorado Department of Transportation	10/01/96- 09/30/97	0971 \$120,000
DUI Detection & Standardized Field Sobriety Testing	Wolfe,Gaylene M	Continuing Education-Administration Colorado Department of Transportation	10/01/96- 09/30/97	0973 \$40,000
Northern Front Range Air Quality Study	Smith,Ralph E	V P Research & Info Technology Governors Office	12/01/96- 12/31/97	0020 \$200,000
Northern Front Range Air Quality Study	Smith,Ralph E	V P Research & Info Technology Governors Office	09/19/95- 10/15/96	0835 \$82,600
Northern Front Range Air Quality Study	Smith,Ralph E	V P Research & Info Technology Governors Office	09/19/95- 10/15/96	0835 \$125,013
Northern Front Range Air Quality Study	Smith,Ralph E	V P Research & Info Technology Governors Office	09/19/95- 10/15/96	0835 \$24,884
Northern Front Range Air Quality Study	Smith,Ralph E	V P Research & Info Technology Governors Office	09/19/95- 10/01/98	0835 \$4,335
Northern Front Range Air Quality Study	Smith,Ralph E	V P Research & Info Technology Colorado Dept Public Health & Environ	07/01/96- 08/31/98	0987 \$600,000
Northern Front Range Air Quality Study	Smith,Ralph E	V P Research & Info Technology Colorado Dept Public Health & Environ	07/01/96- 08/31/98	0987 \$298,900
Statistical Techniques for Estimation of Populations in the Annual Forest Inventory System	Splittergerber,Ronald	V P Research & Info Technology USDA-USFS-Forest Research	02/18/97- 09/30/98	8796 \$38,500
Gene Specific Therapy of Breast & Pancreatic Cancer	Maul,Donald H	Laboratory Animal Resources St. Mary's Hospital	09/01/94- 07/31/96	5026 \$7,919

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Animal Care & Technical Services	Maul,Donald H	Laboratory Animal Resources Heska Corporation (Paravax)	07/01/96- 06/30/97	6028 \$942,500
Animal Care & Technical Services	Maul,Donald H	Laboratory Animal Resources Heska Corporation (Paravax)	07/01/96- 06/30/97	6028 \$69,596
Guided Selective Atherectomy in Atherosclerotic Rabbits	Maul,Donald H	Laboratory Animal Resources Advanced Coronary Intervention, Inc.	06/01/95- 06/10/97	6105 \$16,411
Animal Studies Using Recombinant Hemoglobin Preparations	Maul,Donald H	Laboratory Animal Resources Somatogen	03/15/94- 03/15/97	6895 \$14,269
Animal Studies Using Recombinant Hemoglobin Preparations	Maul,Donald H	Laboratory Animal Resources Somatogen	03/15/94- 12/15/97	6895 \$12,847
Animal Studies Using Recombinant Hemoglobin Preparations	Maul,Donald H	Laboratory Animal Resources Somatogen	03/15/94- 12/15/97	6895 \$11,134
Animal Studies using Recombinant Hemoglobin Preparations	Maul,Donald H	Laboratory Animal Resources Somatogen	03/15/94- 12/15/97	6895 \$6,802
Animal Studies using Recombinant Hemoglobin Preparations	Maul,Donald H	Laboratory Animal Resources Somatogen	03/15/94- 12/15/97	6895 \$4,195
Rodent Thoren Caging Systems	Maul,Donald H	Laboratory Animal Resources HHS-Extramural Research Facil Constrctn	07/01/96- 06/30/97	7921 \$42,711
Turkey East Anatolia Watershed Training Project (EAWT)	Niehaus,Merle H	International Research & Development CID-Consortium for Inter. Development	10/26/94- 10/10/96	9201 \$3,648
Turkey East Anatolia Watershed Training Project (EAWT)	Niehaus,Merle H	International Research & Development CID-Consortium for Inter. Development	10/26/94- 11/30/96	9201 \$9,576
Turkey East Anatolia Watershed Training Project (EAWT) Group 10 - France	Niehaus,Merle H Rittenhouse,Larry R	International Research & Development CID-Consortium for Inter. Development	09/10/96- 09/30/96	9213 \$9,864
Turkey East Anatolia Watershed Training Project (EAWT)	Niehaus,Merle H	International Research & Development CID-Consortium for Inter. Development	01/13/97- 03/11/97	9223 \$9,984
Planning Trip to Turkey; Turkey East Anatolia Watershed Training Project (EAWT)	Niehaus,Merle H	International Research & Development CID-Consortium for Inter. Development	03/01/97- 04/20/97	9225 \$8,623
Colorado Water Resource Research Institute Program-FY 96	Ward,Robert C	Colorado Water Resources Res Inst DOI-USGS-Geological Survey	03/01/96- 02/28/97	2937 \$20,000
Colorado Water Resource Research Institute Program-FY 97	Ward,Robert C	Colorado Water Resources Res Inst DOI-USGS-Geological Survey	03/01/96- 02/28/98	2937 \$20,000
Developing a Decision Support System for the South Platte Basin	Ward,Robert C Garcia,Luis	Colorado Water Resources Res Inst Various "Non-Profit" Sponsors	03/01/97- 06/30/98	5153 \$3,000
Developing a Decision Support System for the South Platte Basin	Ward,Robert C Garcia,Luis	Colorado Water Resources Res Inst Various "Non-Profit" Sponsors	03/01/97- 06/30/98	5153 \$3,000
Developing a Decision Support System for the South Platte Basin	Ward,Robert C Garcia,Luis	Colorado Water Resources Res Inst Various "Non-Profit" Sponsors	03/01/97- 06/30/98	5153 \$3,000
Developing a Decision Support System for the South Platte Basin	Ward,Robert C Garcia,Luis	Colorado Water Resources Res Inst Various "Non-Profit" Sponsors	03/01/97- 06/30/98	5153 \$2,500

College: Other - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Developing a Decision Support System for the South Platte Basin	Ward,Robert C Garcia,Luis	Colorado Water Resources Res Inst Various "Non-Profit" Sponsors	03/01/97- 06/30/98	5153 \$500
Improve the Effectiveness of the Current Research Information System to CSR Institutions	Iron,Jennifer	Agricultural Experiment Station University of Vermont	09/10/95- 09/10/97	1309 \$14,000
Improve the Effectiveness of the Current Research Information System to CSR Institutions	Iron,Jennifer	Agricultural Experiment Station University of Vermont	09/10/95- 09/10/98	1309 \$15,000
Agricultural Research	Sommers, Lee	Agricultural Experiment Station USDA-CSRS-Coop. States Research Service	10/01/96- 09/30/97	2095 \$24,000
Agricultural Research	Sommers, Lee	Agricultural Experiment Station USDA-CSRS-Coop. States Research Service	10/01/96- 09/30/97	2095 \$1,500
Agricultural Research	Sommers, Lee	Agricultural Experiment Station USDA-CSRS-Coop. States Research Service	10/01/96- 09/30/97	2095 \$1,025
Agricultural Research	Sommers, Lee	Agricultural Experiment Station USDA-CSRS-Coop. States Research Service	10/01/96- 09/30/97	2095 \$1,114
Western Executive Director	Heil,Robert D	Agricultural Experiment Station Western Association of Ag Exp. Stn Direct	07/01/93- 06/30/98	5500 \$96,883
Colorado STAND - Youth & Young Adult Driving under the Influence Prevention, Decrease & Eliminate Drinking...	Luevane,Carmen	Cooperative Extension Colorado Department of Transportation	10/01/96- 09/30/97	0008 \$70,000
Colorado STAND - Youth & Young Adult Driving under the Influence Prevention, Decrease & Eliminate Drinking...	Luevane,Carmen	Cooperative Extension Colorado Department of Transportation	10/01/96- 09/30/97	0008 \$20,000
Department of Local Affairs Impact Assistance - Pueblo	Rewerts,Milan A	Cooperative Extension Colorado Department of Local Affairs	01/01/97- 12/31/97	0012 \$80,000
Department of Local Affairs Impact Assistance - Loveland	Rewerts,Milan A	Cooperative Extension Colorado Department of Local Affairs	01/01/97- 12/31/97	0013 \$80,000
Colorado Youth Council - A Statewide Organization Of and For Youth	Martin,Dorothy Millich,Krystie Rose	Cooperative Extension Colorado Department of Local Affairs	04/25/97- 12/31/97	0037 \$30,000
Colorado Youth Council	Martin,Dorothy Millich,Krystie Rose	Cooperative Extension Governors Office	01/01/97- 12/31/97	0888 \$35,882
Partners in Parenting	Poncelow,Stacy Diane	Cooperative Extension Colorado Department of Human Service	07/01/96- 06/30/97	0925 \$82,571
Partners in Parenting - Strengthening Families	Martin,Dorothy Whaley,Christine B	Cooperative Extension Colorado Department of Human Service	07/01/96- 06/30/97	0925 \$2,989
Colorado Youth Council (CYC)	Millich,Krystie Rose Martin,Dorothy	Cooperative Extension Colorado Department of Human Service	07/01/96- 06/30/97	0931 \$12,434
Department of Local Affairs Work Study	Katers,Timothy J	Cooperative Extension Colorado Department of Local Affairs	07/01/96- 06/30/97	0952 \$3,900
Regional Prevention Center Project	Martin,Dorothy Poncelow,Stacy Diane	Cooperative Extension Colorado Department of Human Service	07/01/96- 06/30/00	0954 \$78,000
Colorado Youth Council	Millich,Krystie Rose Martin,Dorothy	Cooperative Extension Colorado Department of Education	07/01/96- 06/30/97	0964 \$10,000

College: Other - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Colorado STAND	Luevane,Carmen	Cooperative Extension Colorado Department of Human Service	07/01/96- 06/30/97	0968 \$26,000
Colorado Nutrition Education Plan (NEP)	Wilken,Karen K	Cooperative Extension Colorado Department of Human Service	10/01/96- 09/30/97	0980 \$801,891
DARE-to-be-YOU Community Training	Miller-Heyl,Janet L	Cooperative Extension Colorado Dept Public Health & Environ	10/01/96- 09/30/97	0996 \$32,235
Colorado Drought Action	Lamm,W Dennis	Cooperative Extension New Mexico State University	09/01/96- 08/31/97	1317 \$22,000
Reduction of Losses of Nitrogen by Surge Irrigation	Bartholomay,Richard	Cooperative Extension DOI-Bureau of Reclamation	07/10/96- 01/31/99	1824 \$19,600
DARE-to-be-YOU Workshops & Classes	Miller-Heyl,Janet L	Cooperative Extension DOI-BIA-Bureau of Indian Affairs	10/02/96- 12/18/96	1840 \$3,352
USDA Resource Conservation & Development Coordinator	Lamm,W Dennis	Cooperative Extension USDA-NRCS-Natural Resources Consvtn Srv	05/01/97- 09/30/97	2104 \$49,120
DARE-to-be-YOU Primary Prevention for Preschoolers by Parents/Caregivers (Replication)	Miller-Heyl,Janet L Fritz,Janet J	Cooperative Extension HHS-SAMHSA-CSAP-Ctr Substance Abuse Prvn	09/30/96- 09/29/97	4416 \$245,933
Primary Prevention for 2- to 5-Year-Old Youth & their High-Risk Parents & Caregivers	Miller-Heyl,Janet L	Cooperative Extension HHS-PHS-Prev of Alco & Drug Abuse/Youth	09/30/97- 09/29/98	4443 \$262,889
DARE-to-be-YOU DARE-PAIR for Montezuma County, Colorado	Miller-Heyl,Janet L	Cooperative Extension Montezuma County Partners, Inc.	07/01/96- 06/30/97	5002 \$20,281
Family Skill Building Workshops for Juvenile Diversion Criteria Youth & Parents	Miller-Heyl,Janet L	Cooperative Extension Montezuma County Partners, Inc.	11/01/96- 10/30/97	5136 \$18,546
DARE-to-be-YOU Pilot Program for Summer Adventure Camp - Montezuma County	Miller-Heyl,Janet L	Cooperative Extension Pinon Project Family Centers	06/01/95- 08/30/97	5309 \$10,402
Nutrition Education for Colorado Elderly	Bray,Colleen R	Cooperative Extension CompreCare Foundation	01/01/97- 12/31/97	5427 \$10,264
Study of the Effectiveness of the Great Beginnings Curriculum in El Paso County	Martinez,Mary C	Cooperative Extension March of Dimes Birth Defects Foundation	01/01/97- 12/30/97	5435 \$4,700
DARE-to-be-YOU -- Training / Workshops	Miller-Heyl,Janet L	Cooperative Extension Various "Non-Profit" Sponsors	01/01/93- 05/23/97	5671 \$2,396
Silvicultural Best Management Practices	Wilcox,William R	Colorado State Forest Service Colorado Dept Public Health & Environ	04/15/97- 03/31/00	0035 \$67,500
Northern Colorado Youth Naturally	Serby,Judy Elizabeth	Colorado State Forest Service Colorado Division of Wildlife	07/01/96- 06/30/97	0998 \$15,000
Forest Health Detection	Schomaker,Michael E	Colorado State Forest Service USDA-USFS-Forest Research	05/29/97- 09/30/97	8845 \$79,200
Multijurisdictional Drug Task Force	Hopkins,Donn	University Police City of Loveland, Colorado	10/01/96- 09/30/97	5041 \$43,325
FOCS/Wind Erosion Training Video	O'Malia,Gregory A	Public Relations USDA-NRCS-Natural Resources Consvtn Srv	04/15/97- 08/01/97	2107 \$10,000

College: Other - Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Sexual Assault Prevention through Peer Education: A Secondary & Post Secondary Model	Carrothers,Ruth	Women's Program CCASA-Colorado Coalition Against Sexual Assault	01/01/97- 07/31/98	5145 \$53,792
4th Annual Colorado Women of Color in Higher Education Conference	Presley,Cheryl L	Vice President for Student Affairs US Department of Labor	01/06/97- 03/14/97	1013 \$1,000
Upward Bound Summer Food Service Program	Thayer,Paul B	Center-Educational Assess/Outreach Colorado Department of Education	06/01/97- 07/31/97	0041 \$8,500
Upward Bound 1997-1998 - Raising the Academic Skills & Motivation of Students	Thayer,Paul B	Center-Educational Assess/Outreach DE-Dept of Educa - Upward Bound Program	06/01/97- 05/31/98	4214 \$375,938
Reciprocal Experiential Learning: A School-to-Career Curricula Grant	Crabtree,Loren W Raich,John C	Career Services CCHE-Commission on Higher Education	12/01/96- 12/31/97	0107 \$10,000
Geographical Information System (GIS) Survey of the Gunnison Research Area	McNerney,Ralph B	Career Services DOI-BLM-Bureau of Land Management	08/26/96- 10/30/96	1858 \$960
Southwestern Willow Flycatcher Survey	McNerney,Ralph B	Career Services DOI-Bureau of Reclamation	04/01/97- 09/30/97	1873 \$37,000
Ribozyme Cloning Project	McNerney,Ralph B	Career Services Ribozyme Pharmaceuticals, Inc.	05/26/97- 08/08/97	6247 \$4,064
Service Integration Project	Keller,Victoria Peer Lanois,Cynthia C	Community Services Corporation for National & Community Srv	09/01/96- 08/31/97	1007 \$58,438
Student Support Services	Aragon,Geraldine J	Academic Advancement Center DE-Student Support Services	09/01/96- 08/31/97	4205 \$215,032