

Office of the Vice President for Research  
and  
Information Technology

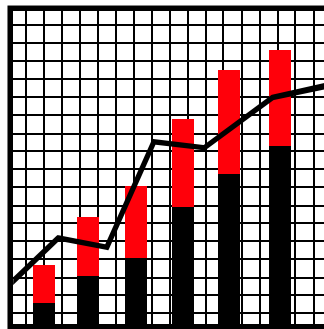
Research Proposals Submitted

*and*

Research Awards Received

Fiscal Year 2002

First Quarter  
July – September 2001



# Research Proposals Submitted *and* Research Awards Received

July 1, 2001 through September 30, 2001

## Foreword

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

- ◆ Proposal totals represent all new and competing continuation proposals or pre-proposals greater than or equal to \$25,000. Renewals, resubmissions, and non-competing continuations are not included. Approximately 110 proposals are processed each month by Sponsored Programs. Approximately 59% of the proposals processed are for new and competing continuation proposals or pre-proposals greater than or equal to \$25,000.
- ◆ If the same proposal is submitted to multiple sponsors, only the first proposal submitted is recorded.
- ◆ Award totals represent all new and incremental funding toward a new or existing project.
- ◆ Various charts and dollar figures may reflect multi-year, multi-million dollar proposals or awards.
- ◆ Effective July 1, 2000, the Agricultural Experiment Station changed the department numbers for their research centers (departments 114x and 115x [College of Agricultural Sciences] are now 30xx [Other]).

**Forward (Continued)**

**Multi-million Dollar Proposals\***

<b>Fiscal Year/College</b>	<b>Department</b>	<b>Sponsor</b>	<b>Start and End Dates</b>	<b>Total \$</b>
<b>Fiscal Year 1998</b>				
Applied Human Sciences	Human Dev & Family Studies	HHS-CDC-Centers for Disease Control	9/30/97 - 9/30/02	\$2,137,951
Business	Marketing	HHS-NIH-National Institutes of Health	10/1/98 - 9/30/03	\$2,280,662
Engineering	CIRA	DOD-ARMY	7/1/98 - 6/30/02	\$7,500,000
Engineering	CIRA	NSF-Biological Sciences	11/1/98 - 0/31/01	\$2,523,756
Engineering	Civil Engineering	NSF - Engineering Grant	6/1/98 - 5/31/04	\$4,992,092
Liberal Arts	Journalism & Technical Comm	HHS-NIH-National Institutes of Health	10/1/98 - 9/30/03	\$2,435,263
Natural Resources	Forest Sciences	DOD-NAVY-ONR-Office of Naval Research	1/1/99 - 2/31/02	\$2,235,651
Natural Resources	Forest Sciences	US Department of Defense	-	\$2,000,000
Natural Resources	Natural Resource Ecology Lab	NSF-GEO-Geosciences	10/1/98 - 9/30/03	\$22,027,740
Natural Resources	Natural Resource Ecology Lab	University of Colorado	9/1/98 - 8/31/03	\$2,779,952
Natural Sciences	Biology	NSF-Biological Sciences	4/1/98 - 3/31/03	\$2,462,907
Natural Sciences	Dean Of Natural Sciences	HHMI-Howard Hughes Medical Institute	1/1/98 - 2/31/01	\$2,199,320
Natural Sciences	Physics	NSF-MPS-Mathematical & Physical Sciences	6/1/98 - 5/31/03	\$3,958,575
Natural Sciences	Psychology	HHS-NIH-National Institutes of Health	5/1/99 - 4/30/04	\$6,396,694
Natural Sciences	Psychology	Macro International, Inc.	10/1/98 - 9/30/03	\$2,561,414
Other	Center Educ Access & Outreach	US Department of Education	11/9/99 - 0/31/94	\$2,727,993
Vet. Medicine & Biomedical Sciences	Environmental Health	HHS-CDC-Centers for Disease Control	9/1/98 - 8/31/03	\$6,505,879
Vet. Medicine & Biomedical Sciences	Environmental Health	HHS-NIH-Environmental Health Sciences	9/1/98 - 8/31/03	\$2,247,049

\*Includes all proposals greater than or equal to \$2,000,000.

**Forward (Continued)**

**Multi-million Dollar Proposals\***

<b>Fiscal Year/College</b>	<b>Department</b>	<b>Sponsor</b>	<b>Start and End Dates</b>	<b>Total \$</b>
<b>Fiscal Year 1999</b>				
Applied Human Sciences	Dean Of Applied Human Sciences	NSF - National Science Foundation	7/1/99 - 6/30/02	\$2,612,742
Applied Human Sciences	School Of Education	US Department of Education	7/1/99 - 6/30/02	\$2,520,075
Business	Dean Of Business	DOD-NAVY	8/24/99 - 8/15/02	\$3,489,359
Engineering	Civil Engineering	DOS-AID-Agency for Inter. Development	1/1/99 - 2/31/03	\$7,750,000
Engineering	Dean Of Engineering	NSF - National Science Foundation	1/1/99 - 2/31/03	\$2,500,000
Engineering	Electrical & Computer Engineerin	NSF - National Science Foundation	10/1/99 - 9/30/04	\$2,631,803
Natural Resources	Forest Sciences	NSF - National Science Foundation	6/1/99 - 5/30/02	\$3,256,515
Natural Resources	Natural Resource Ecology Lab	NSF - National Science Foundation	9/1/99 - 8/31/03	\$2,999,979
Natural Sciences	Biology	NSF - National Science Foundation	6/1/99 - 5/31/04	\$5,404,964
Natural Sciences	Mathematics	NSF - National Science Foundation	9/1/99 - 8/31/02	\$2,259,937
Natural Sciences	Psychology	NSF - National Science Foundation	8/1/99 - 8/31/04	\$7,033,720
Natural Sciences	Psychology	NSF - National Science Foundation	10/1/99 - 0/31/04	\$2,181,910
Other	Center Educ Access & Outreach	DE-Dept of Educa - Upward Bound Program	6/1/99 - 5/31/04	\$2,268,685
Other	Library	NSF - National Science Foundation	1/1/99 - 2/31/02	\$2,849,860
Vet. Medicine & Biomedical Sciences	Environmental Health	HHS-NIH-National Institutes of Health	4/1/00 - 3/31/05	\$16,547,863
Vet. Medicine & Biomedical Sciences	Microbiology	HHS-NIH-National Institutes of Health	8/17/99 - 8/16/06	\$3,744,606
Vet. Medicine & Biomedical Sciences	Microbiology	HHS-NIH-National Institutes of Health	8/1/99 - 7/31/03	\$3,343,527
Vet. Medicine & Biomedical Sciences	Microbiology	Burroughs-Wellcome Fund Foundation	10/1/99 - 9/30/04	\$2,577,835
Vet. Medicine & Biomedical Sciences	Microbiology	NASA-ARC-Ames Research Center	2/1/99 - 1/31/02	\$2,110,578

\*Includes all proposals greater than or equal to \$2,000,000.

**Forward (Continued)**

**Multi-million Dollar Proposals\***

<b>Fiscal Year/College</b>	<b>Department</b>	<b>Sponsor</b>	<b>Start and End Dates</b>	<b>Total \$</b>
<b>Fiscal Year 2000</b>				
Agricultural Sciences	Bioagriculturl Sci & Pest Mgmt	USDA - US Department of Agriculture	10/1/00 - 9/30/04	\$4,963,825
Applied Human Sciences	Social Work	HHS-ACF-Admin. for Children & Families	10/1/99 - 9/30/04	\$4,709,423
Business	Marketing	HHS-NIH-NCI-National Cancer Institute	9/1/00 - 8/31/04	\$2,554,860
Engineering	Atmospheric Science	NSF - National Science Foundation	9/30/00 - 9/29/05	\$3,298,136
Engineering	Chemical & Biores Engineering	USDA - US Department of Agriculture	10/1/00 - 9/30/04	\$2,485,059
Engineering	CIRA	DOC-NOAA-ERL-Environmental Research Labs	7/1/00 - 6/30/01	\$5,345,988
Engineering	Electrical & Computer Engineerin	NSF - National Science Foundation	7/1/00 - 6/30/05	\$3,437,541
Engineering	Electrical & Computer Engineerin	HHS-NIH-National Institutes of Health	9/1/00 - 8/30/05	\$3,049,538
Natural Resources	Coop Fish & Wildlife Research	HHS-NIH-National Institutes of Health	9/1/00 - 8/31/05	\$2,163,482
Natural Resources	Fish & Wildlife Biology	NSF - National Science Foundation	10/1/00 - 9/30/05	\$2,550,956
Natural Resources	Natural Resource Ecology Lab	NSF - National Science Foundation	9/1/00 - 8/31/05	\$3,879,902
Natural Resources	Natural Resource Ecology Lab	NSF - National Science Foundation	9/1/00 - 8/31/04	\$3,746,750
Natural Resources	Natural Resource Ecology Lab	NASA - Natl Aeronautics & Space Admin.	6/1/00 - 5/31/03	\$2,620,340
Natural Resources	Natural Resource Ecology Lab	HHS-NIH-National Institutes of Health	9/1/00 - 8/30/05	\$2,166,689
Natural Sciences	Computer Science	NSF - National Science Foundation	8/15/00 - 8/14/05	\$2,425,038
Natural Sciences	Psychology	NSF - National Science Foundation	6/1/01 - 8/31/06	\$3,580,246
Natural Sciences	Psychology	HHS-NIH-National Institutes of Health	12/1/00 - 1/30/05	\$2,128,824
Natural Sciences	Psychology	NSF - National Science Foundation	7/1/99 - 7/31/04	\$2,127,818
Natural Sciences	Psychology	HHS-CDC-Centers for Disease Control	9/1/00 - 8/31/04	\$2,080,044
Vet. Medicine & Biomedical Sciences	Dean Of Vet Medicine	HHS-NIH-National Institutes of Health	9/1/00 - 8/31/01	\$2,000,000
Vet. Medicine & Biomedical Sciences	Environmental Health	USDA - US Department of Agriculture	9/1/00 - 8/31/04	\$2,700,165
Vet. Medicine & Biomedical Sciences	Environmental Health	Burroughs-Wellcome Fund Foundation	1/1/01 - 2/31/05	\$2,477,003
Vet. Medicine & Biomedical Sciences	Microbiology	HHS-NIH-National Institutes of Health	12/1/00 - 1/30/05	\$2,524,602
Vet. Medicine & Biomedical Sciences	Phvsiology	HHS-NIH-National Institutes of Health	10/1/00 - 9/30/05	\$2,874,454
Vet. Medicine & Biomedical Sciences	Phvsiology	HHS-NIH-National Institutes of Health	7/1/00 - 6/30/05	\$2,306,449
Vet. Medicine & Biomedical Sciences	Phvsiology	HHS-NIH-National Institutes of Health	4/1/01 - 3/31/06	\$2,045,376

\*Includes all proposals greater than or equal to \$2,000,000.

**Forward (Continued)**

**Multi-million Dollar Proposals\***

<b>Fiscal Year/College</b>	<b>Department</b>	<b>Sponsor</b>	<b>Start and End Dates</b>	<b>Total \$</b>
<b>Fiscal Year 2001</b>				
Agricultural Sciences	Horticulture & Landscape Arch	USDA-CSREES-Coop State Rsrch Edu & Ext	10/1/01 - 9/30/05	\$2,638,739
Agricultural Sciences	Soil & Crop Sciences	NASA-ARC-Ames Research Center	1/1/01 - 1/1/06	\$4,144,426
Engineering	Atmospheric Science	NSF - National Science Foundation	9/1/01 - 8/31/06	\$4,123,374
Engineering	Atmospheric Science	DOE - US Department of Energy	6/1/01 - 5/31/06	\$3,701,424
Engineering	Atmospheric Science	NSF - National Science Foundation	7/1/01 - 6/30/06	\$3,508,449
Engineering	Chemical & Biores Engineering	USDA - US Department of Agriculture	8/1/01 - 7/31/05	\$2,198,229
Engineering	CIRA	DOC-NOAA-Natl Oceanic & Atmospheric Admn	7/1/01 - 6/30/06	\$63,875,756
Engineering	Civil Engineering	EPA - Environmental Protection Agency	10/1/01 - 9/30/06	\$3,999,645
Engineering	Civil Engineering	NSF - National Science Foundation	9/1/01 - 8/31/06	\$2,996,649
Engineering	Civil Engineering	NSF - National Science Foundation	8/1/01 - 7/31/06	\$2,525,600
Engineering	Dean Of Engineering	NSF - National Science Foundation	11/1/01 - 0/31/06	\$4,700,000
Engineering	Elec. & Computer Engineering	NSF - National Science Foundation	8/1/02 - 7/31/07	\$11,891,036
Engineering	Elec. & Computer Engineering	HHS-NIH-National Institutes of Health	7/1/01 - 6/30/06	\$4,090,383
Engineering	Elec. & Computer Engineering	NSF - National Science Foundation	10/1/01 - 9/30/06	\$2,940,032
Engineering	Mechanical Engineering	NSF - National Science Foundation	6/1/01 - 5/31/06	\$2,641,948
Natural Resources	Fish & Wildlife Biology	NSF - National Science Foundation	10/1/01 - 9/30/06	\$2,412,431
Natural Resources	Forest Sciences	National Systems Research Co	1/1/01 - 2/31/05	\$4,793,547
Natural Resources	Natural Resource Ecology Lab	NSF - National Science Foundation	9/1/01 - 8/31/06	\$4,948,556
Natural Resources	Natural Resource Ecology Lab	NSF - National Science Foundation	9/1/01 - 8/31/06	\$2,999,291
Natural Resources	Natural Resource Ecology Lab	NASA - Natl Aeronautics & Space Admin.	4/1/01 - 3/31/04	\$2,970,175
Natural Resources	Natural Resource Ecology Lab	NSF - National Science Foundation	11/1/01 - 0/31/06	\$2,499,774
Natural Resources	Natural Resource Ecology Lab	University of Wyoming	10/1/01 - 9/30/05	\$2,040,156
Natural Sciences	Biology	NSF - National Science Foundation	9/1/01 - 8/31/04	\$2,495,356
Natural Sciences	Computer Science	NSF - National Science Foundation	9/1/01 - 8/31/06	\$2,137,296
Natural Sciences	Psychology	NSF - National Science Foundation	1/31/02 - 2/1/05	\$6,133,993
Natural Sciences	Statistics	EPA - Environmental Protection Agency	10/1/01 - 9/30/05	\$2,998,331
Natural Sciences	Statistics	NSF - National Science Foundation	8/1/02 - 7/31/07	\$2,563,772
Other	Western Colorado Research Ctr	USDA - US Department of Agriculture	10/1/01 - 10/1/05	\$3,251,878
Vet. Medicine & Biomedical Sciences	Environmental Health	HHS-CDC-Centers for Disease Control	10/1/01 - 9/30/06	\$4,809,638
Vet. Medicine & Biomedical Sciences	Environmental Health	HHS-CDC-Centers for Disease Control	9/1/01 - 8/31/06	\$4,525,249
Vet. Medicine & Biomedical Sciences	Pathology	HHS-NIH-National Institutes of Health	6/1/01 - 5/31/06	\$3,399,394
Vet. Medicine & Biomedical Sciences	Phvsiology	HHS-NIH-National Institutes of Health	1/1/02 - 2/31/06	\$2,244,911
Vet. Medicine & Biomedical Sciences	Radiological Health Sciences	DOE - US Department of Energy	9/1/01 - 8/31/06	\$2,394,850

\*Includes all proposals greater than or equal to \$2,000,000.

Forward (Continued)

Multi-million Dollar Proposals\*

<b>Fiscal Year/College</b>	<b>Department</b>	<b>Sponsor</b>	<b>Start and End Dates</b>	<b>Total \$</b>
<b>Fiscal Year 2002</b>				
Applied Human Sciences	Food Science & Human Nutrition	Colorado Department of Human Service	10/1/01 - 9/30/02	\$2,172,620
Engineering	CIRA	DOC-NOAA-Natl Oceanic & Atmospheric Admn	7/1/01 - 6/30/02	\$4,710,348
Natural Resources	CEMML	DOD-ARMY	10/1/01 - 9/30/06	\$4,540,551
Vet. Medicine & Biomedical Sciences	Microbiology	HHS-NIH-NIAID-Allergy & Infect Diseases	6/30/02 - 6/29/09	\$4,334,125

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\*Includes all proposals greater than or equal to \$2,000,000.

Forward (Continued)

**Multi-million Dollar Awards\***

<b>Fiscal Year/College</b>	<b>Department</b>	<b>Sponsor</b>	<b>Start and End Dates</b>	<b>Total \$</b>
<b>Fiscal Year 1998</b>				
Engineering	CIRA	DOC-NOAA-Natl Oceanic & Atmospheric Admn	7/1/96 - 6/30/01	\$3,146,303
<b>Fiscal Year 2000</b>				
Natural Resources	Natural Resource Ecology Lab	NSF-Biological Sciences	9/1/99 - 8/31/03	\$2,999,978
<b>Fiscal Year 2001</b>				
Natural Resources	Forest Sciences	Calibre Systems, Inc.	7/13/00 - 7/12/02	\$2,657,997
Vet. Medicine & Biomedical Sciences	Dean Of Vet Medicine	HHS-NIH-National Institutes of Health	6/1/01 - 5/31/03	\$2,000,000
<b>Fiscal Year 2002</b>				
Engineering	CIRA	DOC-NOAA-Natl Oceanic & Atmospheric Admn	7/1/01 - 6/30/06	\$2,493,134

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\*Includes all awards greater than or equal to \$2,000,000.

No Multi-million dollar awards were received during fiscal year 1999.



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Inter-departmental Projects

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

Please forward any comments or corrections to:

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Fort Collins, Colorado 80523-2002  
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**The information in this report is also available on our web site. Visit our web site to find the following:**

- ◆ **Principal Investigator's Manual**
- ◆ **Sponsored Programs Forms**
- ◆ **Sponsored Programs Award/Proposal Database Search**
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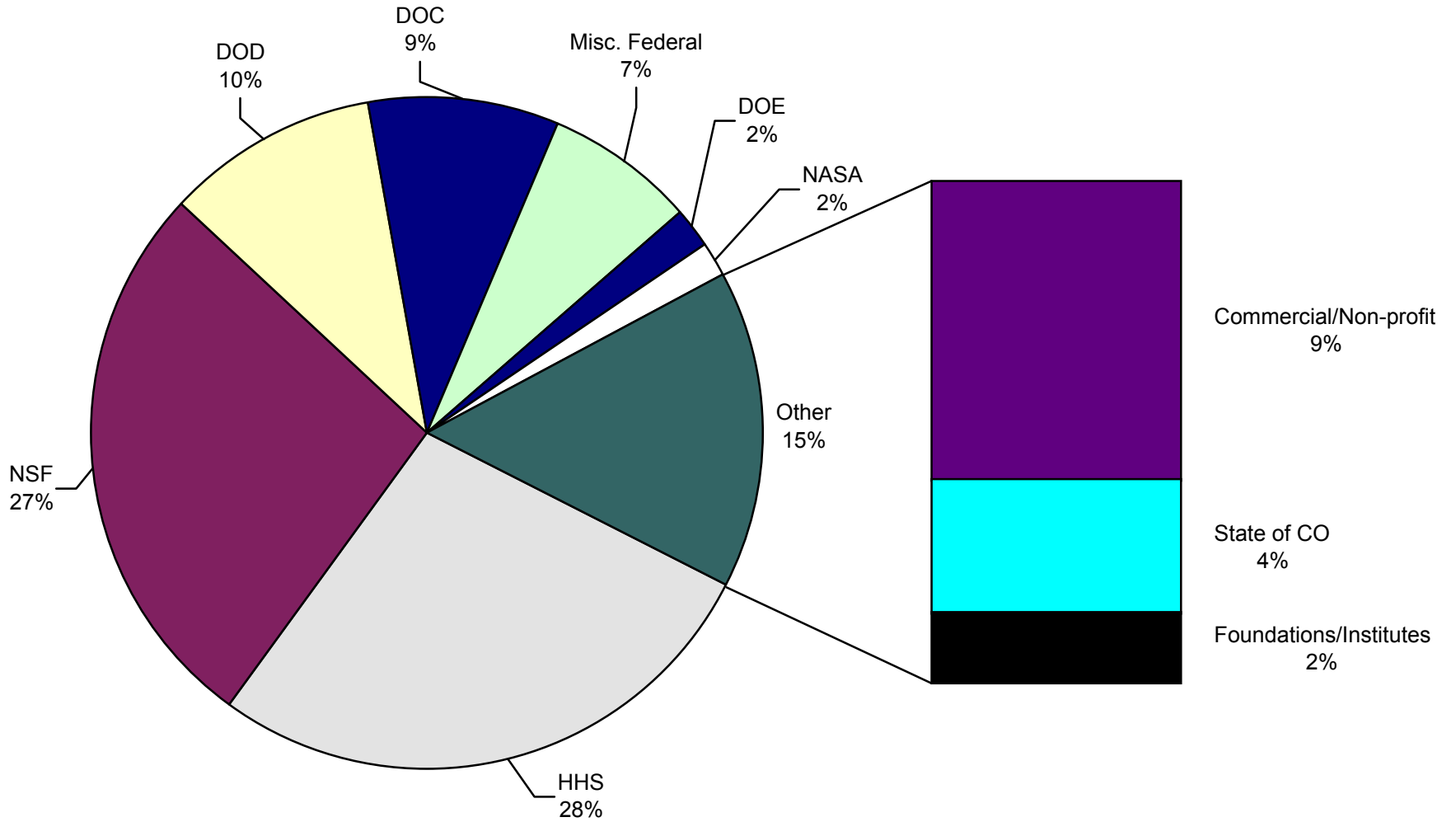
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## **Section I**

### **Historical Summaries**

# Proposals by Fund Source

First Quarter Data  
July - September 2001



# Proposals by Fund Source

## Five-Year Comparison

### First Quarter Data

### July - September

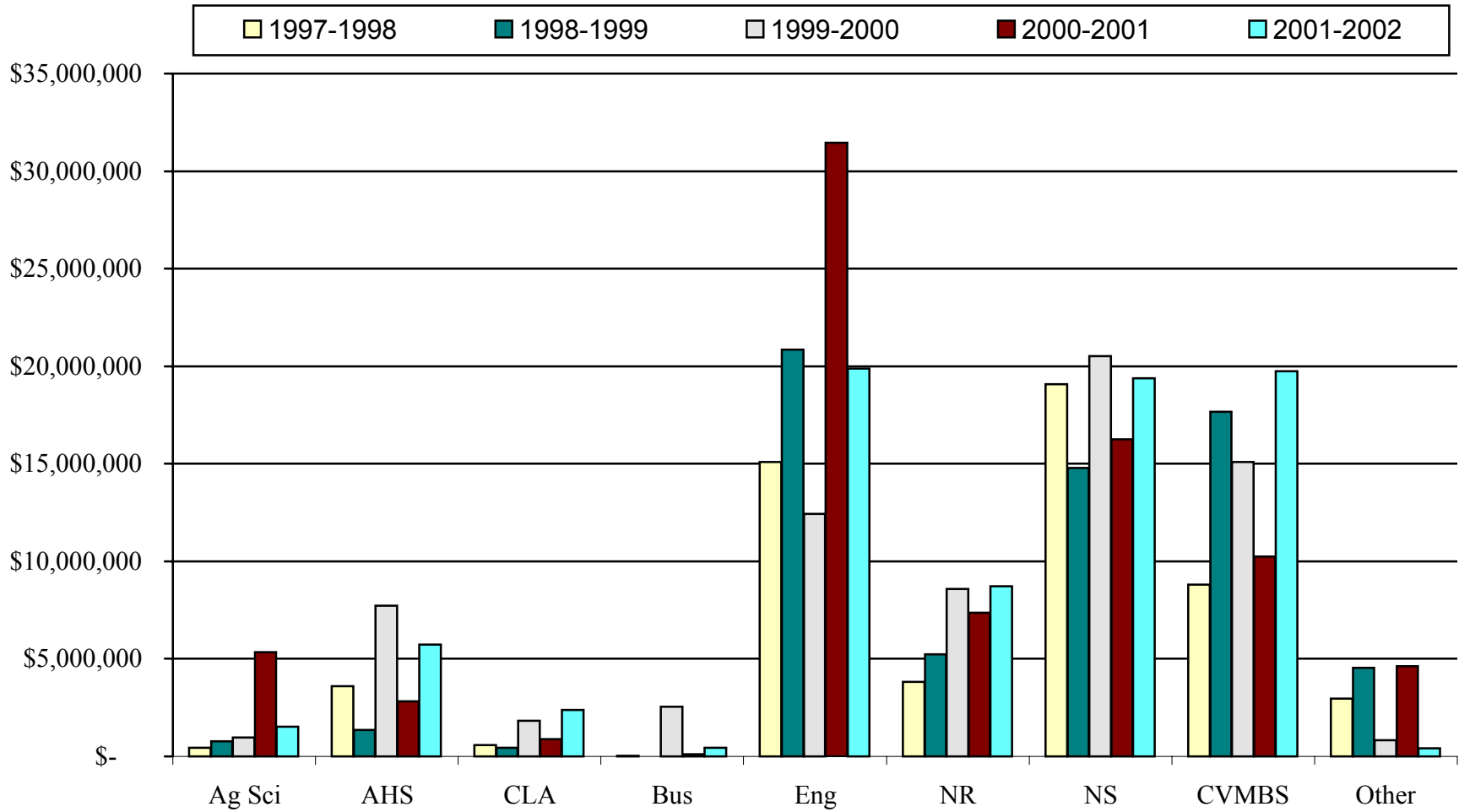
Sponsor	#	1997-1998	#	1998-1999	#	1999-2000	#	2000-2001	#	2001-2002
Commercial and Non-Profit	39	\$ 6,919,908	43	\$ 3,952,848	50	\$ 7,148,448	48	\$ 5,509,887	40	\$ 7,133,185
Foundations	12	\$ 958,682	10	\$ 415,988	11	\$ 1,821,261	12	\$ 4,328,283	13	\$ 1,451,447
Institutes	0	\$0	1	\$25,000	1	\$543,750	0	\$0	1	\$209,018
State of Colorado	9	\$ 894,790	10	\$ 1,899,668	1	\$ 5,000	12	\$ 1,122,173	9	\$ 3,151,251
<b>Subtotal of Non-Federal</b>	<b>60</b>	<b>\$ 8,773,380</b>	<b>64</b>	<b>\$ 6,293,504</b>	<b>63</b>	<b>\$ 9,518,459</b>	<b>72</b>	<b>\$ 10,960,343</b>	<b>63</b>	<b>\$ 11,944,901</b>
USDA - Department of Agriculture	11	\$ 469,182	4	\$ 62,934	11	\$ 1,977,310	9	\$ 328,536	13	\$ 1,095,897
DOC - Department of Commerce	7	\$ 2,176,820	7	\$ 1,432,695	6	\$ 1,112,901	2	\$ 46,023	9	\$ 7,168,439
DOD - Department of Defense	8	\$ 2,425,753	26	\$ 6,581,335	19	\$ 2,963,426	4	\$ 1,948,377	11	\$ 7,991,127
DOE - Department of Energy	2	\$ 570,313	4	\$ 1,634,282	2	\$ 1,684,757	1	\$ 17,922	3	\$ 1,433,279
EPA - Environmental Protection Agency	1	\$ 87,500	3	\$ 1,015,460	2	\$ 1,049,099	6	\$ 1,758,628	1	\$ 730,215
HHS - Health & Human Services	15	\$ 10,821,282	31	\$ 19,961,572	25	\$ 27,819,321	17	\$ 19,675,175	26	\$ 21,458,361
USDI - Department of the Interior	10	\$ 400,566	5	\$ 587,590	8	\$ 420,514	7	\$ 1,685,086	19	\$ 1,250,501
NASA - National Aeronautics & Space Administration	2	\$670,650	8	\$3,494,055	14	\$8,547,018	6	\$5,575,307	4	\$1,362,014
NSF - National Science Foundation	36	\$ 23,867,753	34	\$ 16,465,314	40	\$ 14,626,829	48	\$ 35,069,321	46	\$ 21,068,636
Miscellaneous Federal	6	\$ 4,128,228	3	\$ 8,144,015	4	\$ 785,078	5	\$ 2,000,872	5	\$ 2,714,571
<b>Subtotal of Federal</b>	<b>98</b>	<b>\$45,618,047</b>	<b>125</b>	<b>\$59,379,252</b>	<b>131</b>	<b>\$60,986,253</b>	<b>105</b>	<b>\$68,105,247</b>	<b>137</b>	<b>\$66,273,040</b>
<b>*** TOTAL ***</b>	<b>158</b>	<b>\$54,391,427</b>	<b>189</b>	<b>\$65,672,756</b>	<b>194</b>	<b>\$70,504,712</b>	<b>177</b>	<b>\$79,065,590</b>	<b>200</b>	<b>\$78,217,941</b>

# Proposals by College

Five-Year Comparison

First Quarter Data

July - September



# Proposals by College

## Five-Year Comparison

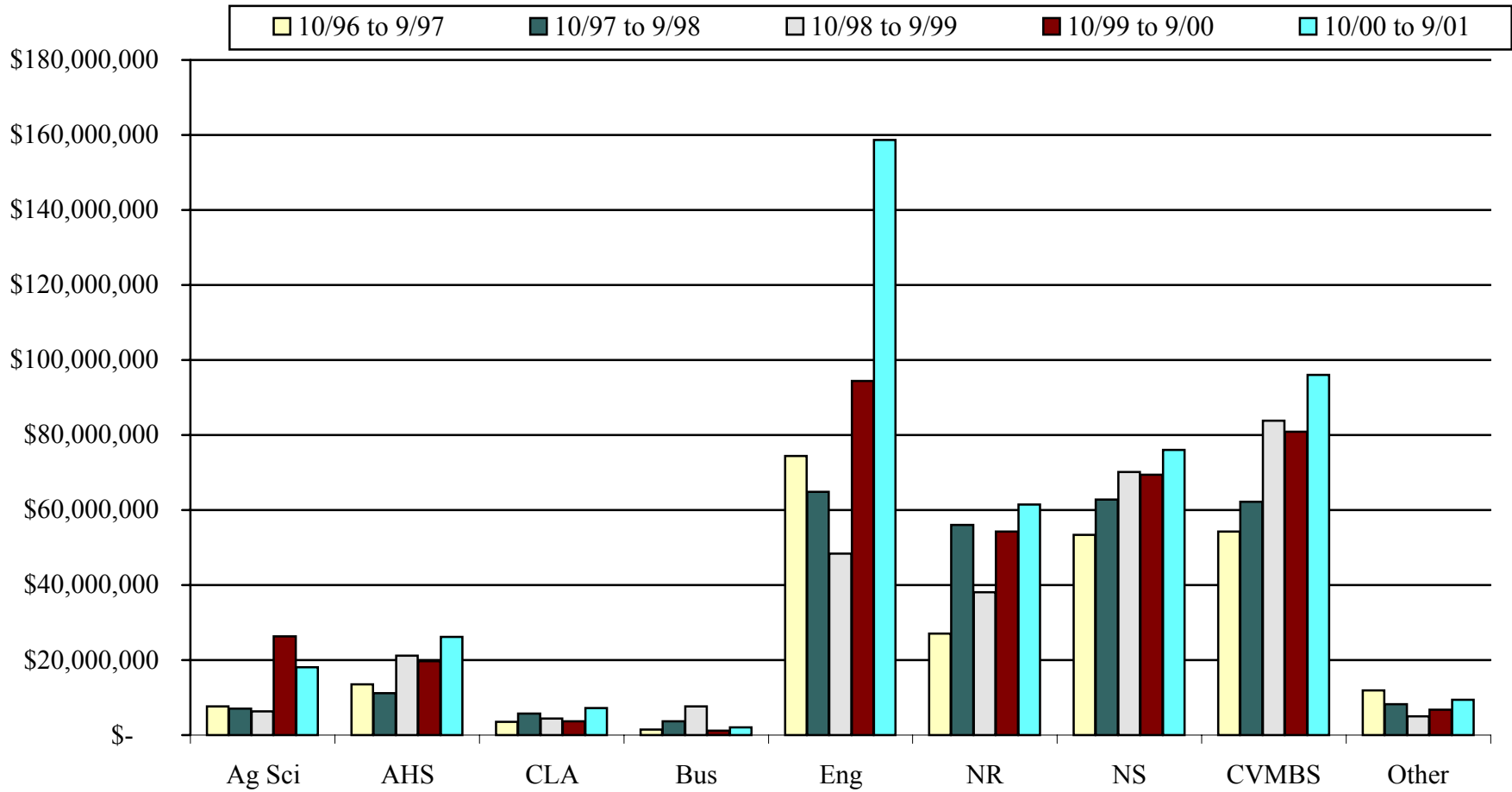
### First Quarter Data

### July - September

College	#	1997-1998	#	1998-1999	#	1999-2000	#	2000-2001	#	2001-2002
Ag Sci - Agricultural Sciences	8	\$ 438,407	7	\$ 782,392	7	\$ 974,010	11	\$ 5,338,877	8	\$ 1,521,992
AHS - Applied Human Sciences	10	\$ 3,604,073	13	\$ 1,344,355	13	\$ 7,713,255	12	\$ 2,830,658	12	\$ 5,729,288
CLA - Liberal Arts	4	\$ 573,995	4	\$ 440,121	8	\$ 1,825,870	7	\$ 876,994	4	\$ 2,374,160
Bus - Business	3	\$ 28,615	0	\$ -	1	\$ 2,554,860	2	\$ 100,424	1	\$ 442,067
Eng - Engineering	46	\$ 15,079,534	49	\$ 20,842,894	55	\$ 12,431,902	49	\$ 31,444,574	47	\$ 19,890,064
NR - Natural Resources	20	\$ 3,817,072	31	\$ 5,241,138	32	\$ 8,570,297	30	\$ 7,359,644	42	\$ 8,718,577
NS - Natural Sciences	41	\$ 19,086,388	37	\$ 14,796,955	44	\$ 20,508,912	36	\$ 16,247,195	43	\$ 19,394,367
CVMBS - Veterinary Medicine & Biomed. Sci.	23	\$ 8,797,850	42	\$ 17,673,953	30	\$ 15,101,809	25	\$ 10,245,948	39	\$ 19,737,926
Other - Other	3	\$ 2,965,493	6	\$ 4,550,948	4	\$ 823,797	5	\$ 4,621,276	4	\$ 409,500
<b>*** TOTAL ***</b>	<b>158</b>	<b>\$ 54,391,427</b>	<b>189</b>	<b>\$ 65,672,756</b>	<b>194</b>	<b>\$ 70,504,712</b>	<b>177</b>	<b>\$ 79,065,590</b>	<b>200</b>	<b>\$ 78,217,941</b>

# Proposals by College

Five-Year Comparision  
Consecutive 12 Month Data  
October - September





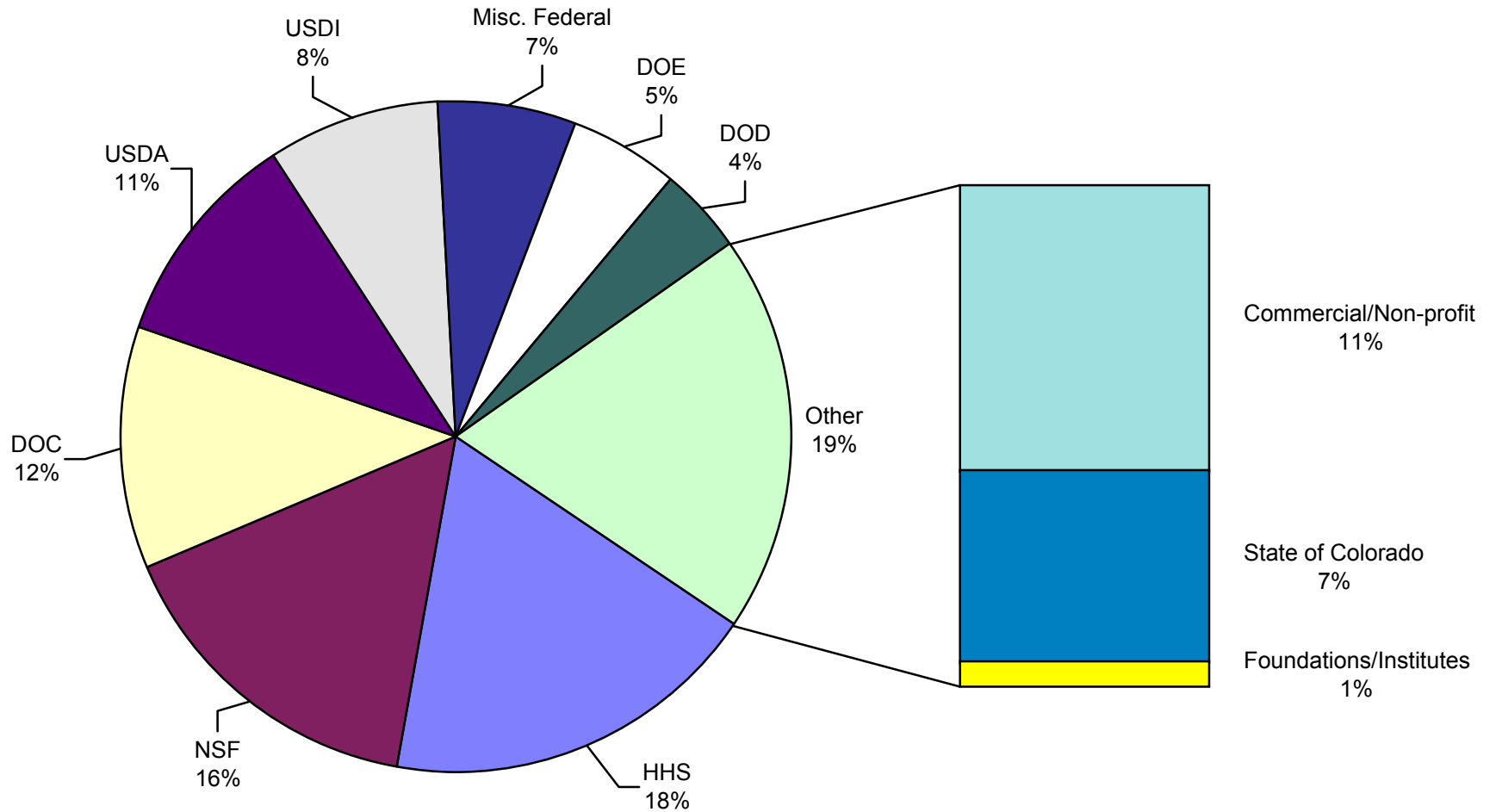
# Proposals by College

## Five-Year Comparison Consecutive 12 Month Data October - September

College	#	10/96 to 9/97	#	10/97 to 9/98	#	10/98 to 9/99	#	10/99 to 9/00	#	10/00 to 9/01
Ag Sci - Agricultural Sciences	44	\$ 7,599,310	51	\$ 7,030,762	41	\$ 6,385,008	67	\$ 26,274,850	71	\$ 18,158,415
AHS - Applied Human Sciences	40	\$ 13,506,532	62	\$ 11,118,301	50	\$ 21,130,859	67	\$ 19,669,377	70	\$ 26,244,640
CLA - Liberal Arts	18	\$ 3,555,336	18	\$ 5,694,462	18	\$ 4,459,363	21	\$ 3,711,226	26	\$ 7,272,648
Bus - Business	6	\$ 1,412,351	3	\$ 3,688,879	4	\$ 7,620,028	5	\$ 1,173,709	9	\$ 2,059,889
Eng - Engineering	186	\$ 74,361,465	185	\$ 64,828,129	190	\$ 48,312,438	218	\$ 94,414,043	221	\$ 158,696,942
NR - Natural Resources	110	\$ 27,094,619	136	\$ 56,091,820	149	\$ 38,081,036	164	\$ 54,280,790	194	\$ 61,536,201
NS - Natural Sciences	160	\$ 53,374,703	144	\$ 62,819,363	144	\$ 70,139,249	157	\$ 69,408,901	163	\$ 76,010,989
CVMBBS - Veterinary Medicine & Biomed. Sci.	185	\$ 54,283,787	158	\$ 62,230,832	152	\$ 83,798,252	179	\$ 80,905,554	186	\$ 95,996,334
Other - Other	32	\$ 11,942,591	15	\$ 8,257,007	12	\$ 4,930,660	20	\$ 6,734,310	25	\$ 9,400,520
<b>*** TOTAL ***</b>	<b>781</b>	<b>\$ 247,130,694</b>	<b>772</b>	<b>\$ 281,759,555</b>	<b>760</b>	<b>\$ 284,856,893</b>	<b>898</b>	<b>\$ 356,572,760</b>	<b>965</b>	<b>\$ 455,376,578</b>

# Awards by Fund Source

First Quarter Data  
July - September 2001



# Awards by Fund Source

## Five-Year Comparison

### First Quarter Data

### July - September

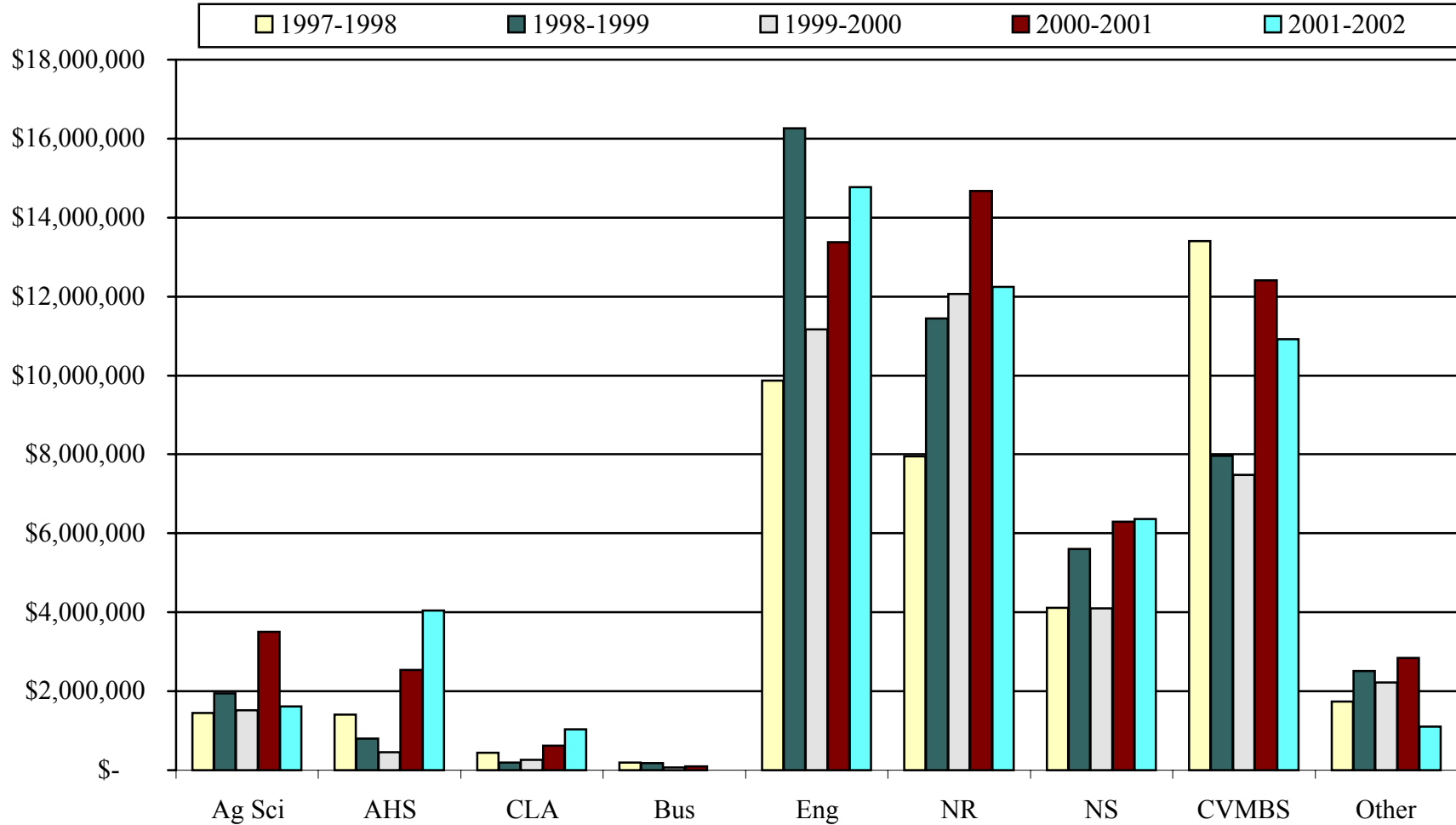
Sponsor	#	1997-1998	#	1998-1999	#	1999-2000	#	2000-2001	#	2001-2002
Commercial and Non-Profit	141	\$ 5,753,273	146	\$ 4,895,887	120	\$ 3,715,235	141	\$ 8,536,341	112	\$ 5,713,515
Foundations	10	\$ 413,392	12	\$ 225,498	4	\$ 180,199	20	\$ 704,865	9	\$ 219,466
Institutes	2	\$178,983	3	\$442,378	2	\$282,157	1	\$91,734	1	\$249,724
State of Colorado	48	\$ 3,149,478	49	\$ 3,937,609	55	\$ 3,963,497	42	\$ 2,833,316	57	\$ 3,786,163
<b>Subtotal of Non-Federal</b>	<b>201</b>	<b>\$ 9,495,126</b>	<b>210</b>	<b>\$ 9,501,372</b>	<b>181</b>	<b>\$ 8,141,088</b>	<b>204</b>	<b>\$ 12,166,256</b>	<b>179</b>	<b>\$ 9,968,868</b>
USDA - Department of Agriculture	61	\$ 4,259,606	81	\$ 4,605,835	64	\$ 3,236,442	114	\$ 8,890,978	93	\$ 5,480,536
DOC - Department of Commerce	12	\$ 4,116,873	24	\$ 4,984,437	19	\$ 5,016,939	24	\$ 5,593,275	27	\$ 6,073,987
DOD - Department of Defense	49	\$ 3,442,476	60	\$ 7,544,845	44	\$ 2,612,436	53	\$ 2,675,407	30	\$ 2,152,881
DOE - Department of Energy	10	\$ 780,348	10	\$ 448,987	4	\$ 465,357	6	\$ 927,385	16	\$ 2,813,700
EPA - Environmental Protection Agency	6	\$ 567,462	5	\$ 110,043	3	\$ 145,418	6	\$ 560,588	1	\$ 10,000
HHS - Health & Human Services	57	\$ 10,094,192	57	\$ 8,757,736	57	\$ 7,213,439	74	\$ 13,114,948	44	\$ 9,531,332
USDI - Department of the Interior	47	\$2,427,808	69	\$2,925,792	66	\$4,123,506	57	\$3,313,205	60	\$4,313,765
NASA - National Aeronautics & Space Administration	12	\$ 707,676	11	\$ 1,000,718	7	\$ 435,835	16	\$ 1,685,380	15	\$ 1,063,048
NSF - National Science Foundation	24	\$ 2,988,897	42	\$ 5,530,935	37	\$ 6,615,188	42	\$ 4,959,178	43	\$ 8,343,823
Miscellaneous Federal	11	\$ 1,692,412	14	\$ 1,499,240	7	\$ 1,348,026	11	\$ 2,472,569	14	\$ 2,357,061
<b>Subtotal of Federal</b>	<b>289</b>	<b>\$ 31,077,750</b>	<b>373</b>	<b>\$ 37,408,568</b>	<b>308</b>	<b>\$ 31,212,586</b>	<b>403</b>	<b>\$ 44,192,913</b>	<b>343</b>	<b>\$ 42,140,133</b>
<b>*** TOTAL ***</b>	<b>490</b>	<b>\$ 40,572,876</b>	<b>583</b>	<b>\$ 46,909,940</b>	<b>489</b>	<b>\$ 39,353,674</b>	<b>607</b>	<b>\$ 56,359,169</b>	<b>522</b>	<b>\$ 52,109,001</b>

# Awards by College

Five-Year Comparison

First Quarter Data

July - September



# Awards by College

## Five-Year Comparison

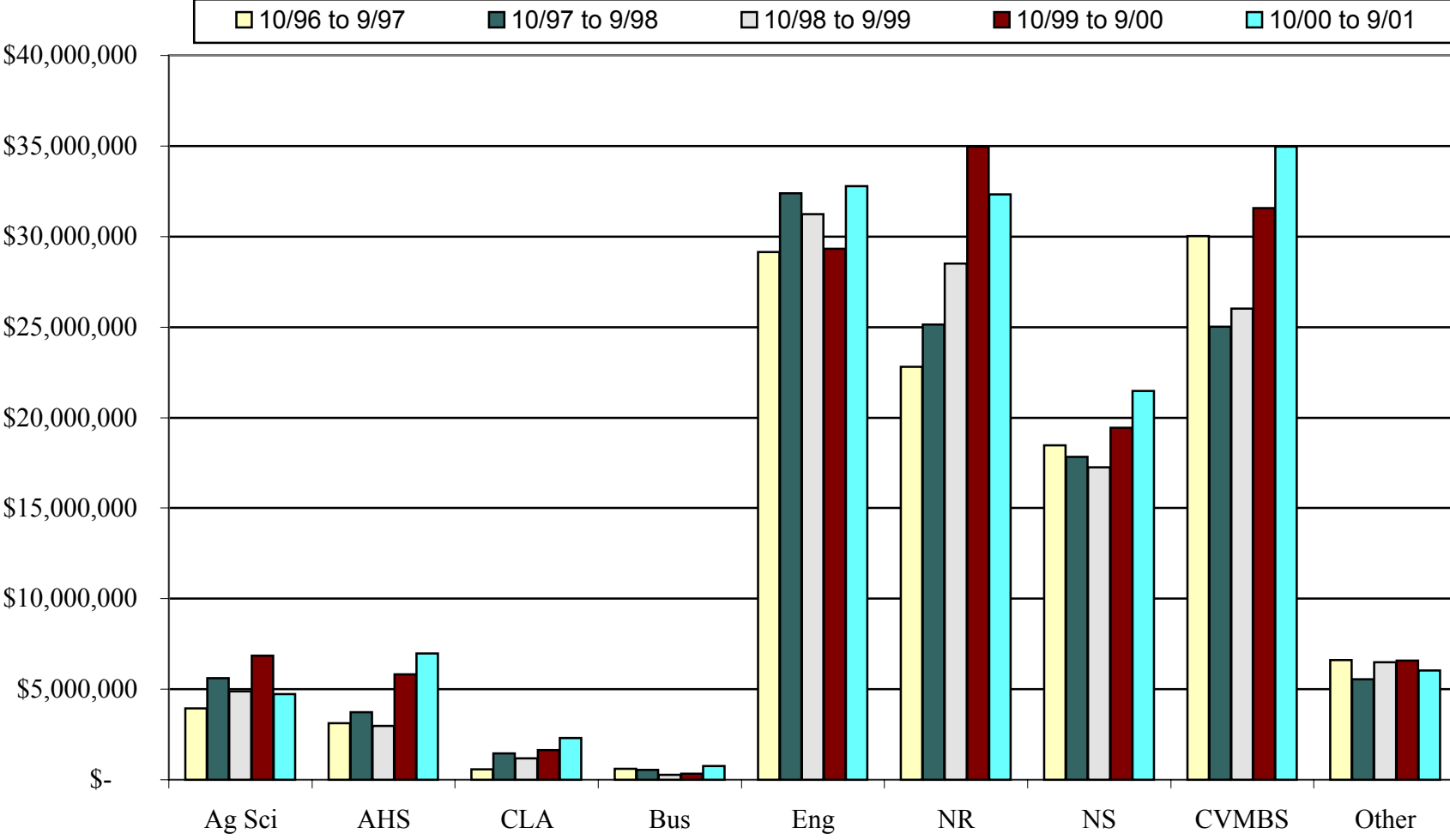
### First Quarter Data

### July - September

College	#	1997-1998	#	1998-1999	#	1999-2000	#	2000-2001	#	2001-2002
Ag Sci - Agricultural Sciences	57	\$ 1,444,744	59	\$ 1,940,832	47	\$ 1,524,883	46	\$ 3,501,458	38	\$ 1,617,594
AHS - Applied Human Sciences	23	\$ 1,413,476	16	\$ 797,736	10	\$ 460,981	15	\$ 2,545,009	21	\$ 4,047,845
CLA - Liberal Arts	5	\$ 447,693	5	\$ 195,938	7	\$ 263,030	15	\$ 625,512	6	\$ 1,036,174
Bus - Business	2	\$ 194,440	6	\$ 175,756	2	\$ 72,678	1	\$ 100,000	1	\$ 2,515
Eng - Engineering	93	\$ 9,875,911	113	\$ 16,264,875	94	\$ 11,169,553	107	\$ 13,369,774	105	\$ 14,772,916
NR - Natural Resources	129	\$ 7,952,095	216	\$ 11,438,160	180	\$ 12,058,672	231	\$ 14,671,591	191	\$ 12,237,441
NS - Natural Sciences	60	\$ 4,109,169	60	\$ 5,608,451	47	\$ 4,093,255	58	\$ 6,296,038	52	\$ 6,367,801
CVMBMS - Veterinary Medicine & Biomed. Sci.	97	\$ 13,398,593	76	\$ 7,970,613	79	\$ 7,482,482	106	\$ 12,412,423	70	\$ 10,918,273
Other - Other	24	\$ 1,736,755	32	\$ 2,517,579	23	\$ 2,228,140	28	\$ 2,837,364	38	\$ 1,108,442
<b>*** TOTAL ***</b>	<b>490</b>	<b>\$ 40,572,876</b>	<b>583</b>	<b>\$ 46,909,940</b>	<b>489</b>	<b>\$ 39,353,674</b>	<b>607</b>	<b>\$ 56,359,169</b>	<b>522</b>	<b>\$ 52,109,001</b>

# Awards by College

Five-Year Comparison  
 Consecutive 12 Month Data  
 October - September



# Awards by College

## Five-Year Comparison

### Consecutive 12 Month Data

#### October - September

College	#	10/96 to 9/97	#	10/97 to 9/98	#	10/98 to 9/99	#	10/99 to 9/00	#	10/00 to 9/01
Ag Sci - Agricultural Sciences	172	\$ 3,932,135	171	\$ 5,610,588	150	\$ 4,869,691	127	\$ 6,864,486	120	\$ 4,731,580
AHS - Applied Human Sciences	57	\$ 3,117,444	56	\$ 3,738,967	43	\$ 2,974,468	56	\$ 5,822,636	51	\$ 6,979,384
CLA - Liberal Arts	11	\$ 567,425	16	\$ 1,442,578	14	\$ 1,177,191	35	\$ 1,634,731	19	\$ 2,315,296
Bus - Business	9	\$ 613,081	16	\$ 545,685	4	\$ 280,878	3	\$ 332,000	10	\$ 753,503
Eng - Engineering	310	\$ 29,137,866	323	\$ 32,396,752	314	\$ 31,224,331	279	\$ 29,319,212	308	\$ 32,775,744
NR - Natural Resources	355	\$ 22,798,752	504	\$ 25,131,524	468	\$ 28,501,468	530	\$ 34,971,491	483	\$ 32,324,214
NS - Natural Sciences	232	\$ 18,460,122	210	\$ 17,840,361	199	\$ 17,260,682	179	\$ 19,441,059	199	\$ 21,474,746
CVMBBS - Veterinary Medicine & Biomed. Sci.	273	\$ 30,013,508	261	\$ 25,015,248	273	\$ 26,011,592	290	\$ 31,566,608	251	\$ 34,966,798
Other - Other	98	\$ 6,608,206	83	\$ 5,561,044	89	\$ 6,501,280	91	\$ 6,572,348	110	\$ 6,049,498
<b>*** TOTAL ***</b>	<b>1,517</b>	<b>\$ 115,248,539</b>	<b>1,640</b>	<b>\$ 117,282,747</b>	<b>1,554</b>	<b>\$ 118,801,581</b>	<b>1,590</b>	<b>\$ 136,524,571</b>	<b>1,551</b>	<b>\$ 142,370,763</b>

## **Section II**

### **Department Summaries**



## Agricultural Sciences

<b>Proposals Submitted</b>	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	Current FY		Previous FY		Current FY		Previous FY	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Agric & Resource Economics	1172	1	\$15,000	1	\$18,983	1	\$15,000	1	\$18,983
Animal Sciences	1171	1	\$75,540	2	\$43,413	1	\$75,540	2	\$43,413
Bioagricultur Sci & Pest Mgmt	1177	3	\$1,267,092	2	\$65,218	3	\$1,267,092	2	\$65,218
Horticulture & Landscape Arch	1173	1	\$86,400	1	\$901,639	1	\$86,400	1	\$901,639
Soil & Crop Sciences	1170	2	\$77,960	5	\$4,309,624	2	\$77,960	5	\$4,309,624
<b>Totals</b>		<b>8</b>	<b>\$1,521,992</b>	<b>11</b>	<b>\$5,338,877</b>	<b>8</b>	<b>\$1,521,992</b>	<b>11</b>	<b>\$5,338,877</b>

<b>Awards Received</b>	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	Current FY		Previous FY		Current FY		Previous FY	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Agric & Resource Economics	1172	2	\$47,518	6	\$110,109	2	\$47,518	6	\$110,109
Animal Sciences	1171	10	\$401,266	7	\$801,500	10	\$401,266	7	\$801,500
Bioagricultur Sci & Pest Mgmt	1177	10	\$287,654	10	\$222,462	10	\$287,654	10	\$222,462
Horticulture & Landscape Arch	1173	4	\$123,625	4	\$187,722	4	\$123,625	4	\$187,722
Soil & Crop Sciences	1170	12	\$757,531	19	\$2,179,665	12	\$757,531	19	\$2,179,665
<b>Totals</b>		<b>38</b>	<b>\$1,617,594</b>	<b>46</b>	<b>\$3,501,458</b>	<b>38</b>	<b>\$1,617,594</b>	<b>46</b>	<b>\$3,501,458</b>

## Applied Human Sciences

Proposals Submitted	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	Current FY		Previous FY		Current FY		Previous FY	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Dean Of Applied Human Sciences	1501	1	\$448,816	1	\$47,500	1	\$448,816	1	\$47,500
Dept Of Health & Exercise Sci	1582	1	\$44,429	0	\$0	1	\$44,429	0	\$0
Design And Merchandising	1574	0	\$0	2	\$296,418	0	\$0	2	\$296,418
Food Science & Human Nutrition	1571	1	\$2,172,620	4	\$329,603	1	\$2,172,620	4	\$329,603
Human Dev & Family Studies	1570	3	\$1,006,719	1	\$2,000	3	\$1,006,719	1	\$2,000
Mfg Tech & Constr Mgmt	1584	1	\$373,637	0	\$0	1	\$373,637	0	\$0
Occupational Therapy	1573	2	\$1,276,467	2	\$812,068	2	\$1,276,467	2	\$812,068
School Of Education	1588	2	\$316,605	2	\$1,343,069	2	\$316,605	2	\$1,343,069
Social Work	1586	1	\$89,995	0	\$0	1	\$89,995	0	\$0
<b>Totals</b>		<b>12</b>	<b>\$5,729,288</b>	<b>12</b>	<b>\$2,830,658</b>	<b>12</b>	<b>\$5,729,288</b>	<b>12</b>	<b>\$2,830,658</b>

Awards Received	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	Current FY		Previous FY		Current FY		Previous FY	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Dean Of Applied Human Sciences	1501	1	\$3,200	0	\$0	1	\$3,200	0	\$0
Dept Of Health & Exercise Sci	1582	0	\$0	1	\$19,890	0	\$0	1	\$19,890
Design And Merchandising	1574	1	\$15,000	1	\$19,593	1	\$15,000	1	\$19,593
Food Science & Human Nutrition	1571	3	\$922,262	4	\$1,575,986	3	\$922,262	4	\$1,575,986
Mfg Tech & Constr Mgmt	1584	2	\$39,299	1	\$8,050	2	\$39,299	1	\$8,050
Occupational Therapy	1573	4	\$679,543	3	\$108,933	4	\$679,543	3	\$108,933
School Of Education	1588	8	\$2,098,610	4	\$737,953	8	\$2,098,610	4	\$737,953
Social Work	1586	2	\$289,931	1	\$74,604	2	\$289,931	1	\$74,604
<b>Totals</b>		<b>21</b>	<b>\$4,047,845</b>	<b>15</b>	<b>\$2,545,009</b>	<b>21</b>	<b>\$4,047,845</b>	<b>15</b>	<b>\$2,545,009</b>

## Business

<b>Proposals Submitted</b>	<b>Quarter Totals</b>					<b>Fiscal Year to Date Totals</b>			
	<b>Dept #</b>	<b>Current FY</b>		<b>Previous FY</b>		<b>Current FY</b>		<b>Previous FY</b>	
		<b>No.</b>	<b>Amount</b>	<b>No.</b>	<b>Amount</b>	<b>No.</b>	<b>Amount</b>	<b>No.</b>	<b>Amount</b>
Computer Information Svstems	1277	1	\$442,067	1	\$57,983	1	\$442,067	1	\$57,983
Inst For Transportation Mgt	1276	0	\$0	1	\$42,441	0	\$0	1	\$42,441
<b>Totals</b>		<b>1</b>	<b>\$442,067</b>	<b>2</b>	<b>\$100,424</b>	<b>1</b>	<b>\$442,067</b>	<b>2</b>	<b>\$100,424</b>

<b>Awards Received</b>	<b>Quarter Totals</b>					<b>Fiscal Year to Date Totals</b>			
	<b>Dept #</b>	<b>Current FY</b>		<b>Previous FY</b>		<b>Current FY</b>		<b>Previous FY</b>	
		<b>No.</b>	<b>Amount</b>	<b>No.</b>	<b>Amount</b>	<b>No.</b>	<b>Amount</b>	<b>No.</b>	<b>Amount</b>
Inst For Transportation Mgt	1276	1	\$2,515	1	\$100,000	1	\$2,515	1	\$100,000
<b>Totals</b>		<b>1</b>	<b>\$2,515</b>	<b>1</b>	<b>\$100,000</b>	<b>1</b>	<b>\$2,515</b>	<b>1</b>	<b>\$100,000</b>

## Engineering

Proposals Submitted	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	Current FY		Previous FY		Current FY		Previous FY	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Atmospheric Science	1371	9	\$4,571,408	6	\$1,093,712	9	\$4,571,408	6	\$1,093,712
Chemical & Biores Engineering	1370	8	\$2,065,691	5	\$1,648,340	8	\$2,065,691	5	\$1,648,340
CIRA	1375	11	\$7,603,943	7	\$1,069,502	11	\$7,603,943	7	\$1,069,502
Civil Engineering	1372	9	\$2,539,943	13	\$4,898,846	9	\$2,539,943	13	\$4,898,846
Dean Of Engineering	1301	0	\$0	1	\$598,210	0	\$0	1	\$598,210
Elec. & Computer Engineering	1373	4	\$1,105,388	7	\$17,542,403	4	\$1,105,388	7	\$17,542,403
Mechanical Engineering	1374	6	\$2,003,691	10	\$4,593,561	6	\$2,003,691	10	\$4,593,561
<b>Totals</b>		<b>47</b>	<b>\$19,890,064</b>	<b>49</b>	<b>\$31,444,574</b>	<b>47</b>	<b>\$19,890,064</b>	<b>49</b>	<b>\$31,444,574</b>

Awards Received	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	Current FY		Previous FY		Current FY		Previous FY	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Atmospheric Science	1371	17	\$1,739,489	27	\$1,557,881	17	\$1,739,489	27	\$1,557,881
Chemical & Biores Engineering	1370	4	\$557,412	4	\$1,271,380	4	\$557,412	4	\$1,271,380
CIRA	1375	32	\$7,447,787	27	\$6,532,574	32	\$7,447,787	27	\$6,532,574
Civil Engineering	1372	27	\$2,808,288	29	\$2,259,754	27	\$2,808,288	29	\$2,259,754
Dean Of Engineering	1301	2	\$650,000	1	\$584,000	2	\$650,000	1	\$584,000
Elec. & Computer Engineering	1373	12	\$944,135	10	\$742,595	12	\$944,135	10	\$742,595
Mechanical Engineering	1374	11	\$625,805	9	\$421,590	11	\$625,805	9	\$421,590
<b>Totals</b>		<b>105</b>	<b>\$14,772,916</b>	<b>107</b>	<b>\$13,369,774</b>	<b>105</b>	<b>\$14,772,916</b>	<b>107</b>	<b>\$13,369,774</b>

## Liberal Arts

<b>Proposals Submitted</b>	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	Current FY		Previous FY		Current FY		Previous FY	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Anthropology	1787	1	\$181,746	2	\$376,831	1	\$181,746	2	\$376,831
Foreign Languages & Literature	1774	0	\$0	1	\$94,427	0	\$0	1	\$94,427
Journalism & Technical Comm	1785	1	\$1,642,308	1	\$2,778	1	\$1,642,308	1	\$2,778
Music, Theatre & Dance	1778	2	\$550,106	0	\$0	2	\$550,106	0	\$0
Sociology	1784	0	\$0	3	\$402,958	0	\$0	3	\$402,958
<b>Totals</b>		<b>4</b>	<b>\$2,374,160</b>	<b>7</b>	<b>\$876,994</b>	<b>4</b>	<b>\$2,374,160</b>	<b>7</b>	<b>\$876,994</b>

<b>Awards Received</b>	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	Current FY		Previous FY		Current FY		Previous FY	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Anthropology	1787	1	\$14,500	2	\$136,831	1	\$14,500	2	\$136,831
Economics	1771	1	\$41,000	2	\$1,927	1	\$41,000	2	\$1,927
English	1773	0	\$0	2	\$9,231	0	\$0	2	\$9,231
Journalism & Technical Comm	1785	3	\$977,174	5	\$217,601	3	\$977,174	5	\$217,601
Music, Theatre & Dance	1778	1	\$3,500	1	\$171,841	1	\$3,500	1	\$171,841
Political Science	1782	0	\$0	1	\$8,500	0	\$0	1	\$8,500
Sociology	1784	0	\$0	2	\$79,581	0	\$0	2	\$79,581
<b>Totals</b>		<b>6</b>	<b>\$1,036,174</b>	<b>15</b>	<b>\$625,512</b>	<b>6</b>	<b>\$1,036,174</b>	<b>15</b>	<b>\$625,512</b>

## Natural Resources

Proposals Submitted	Quarter Totals					Fiscal Year to Date Totals				
	Dept #	Current FY		Previous FY		No.	Current FY		Previous FY	
		No.	Amount	No.	Amount		Amount	No.	Amount	
CEMML	1490	3	\$4,739,789	0	\$0	3	\$4,739,789	0	\$0	
Coop Fish & Wildlife Research	1484	2	\$335,382	1	\$1,420,268	2	\$335,382	1	\$1,420,268	
Earth Resources	1482	2	\$446,253	1	\$18,000	2	\$446,253	1	\$18,000	
Fish & Wildlife Biologv	1474	23	\$960,395	12	\$3,321,039	23	\$960,395	12	\$3,321,039	
Forest Sciences	1470	4	\$951,867	6	\$1,069,762	4	\$951,867	6	\$1,069,762	
Nat Res Recreation & Tourism	1480	0	\$0	3	\$375,000	0	\$0	3	\$375,000	
Natural Resource Ecology Lab	1499	8	\$1,284,891	6	\$1,110,120	8	\$1,284,891	6	\$1,110,120	
Rangeland Ecosvstem Science	1478	0	\$0	1	\$45,455	0	\$0	1	\$45,455	
<b>Totals</b>		<b>42</b>	<b>\$8,718,577</b>	<b>30</b>	<b>\$7,359,644</b>	<b>42</b>	<b>\$8,718,577</b>	<b>30</b>	<b>\$7,359,644</b>	

Awards Received	Quarter Totals					Fiscal Year to Date Totals				
	Dept #	Current FY		Previous FY		No.	Current FY		Previous FY	
		No.	Amount	No.	Amount		Amount	No.	Amount	
CEMML	1490	60	\$3,713,346	0	\$0	60	\$3,713,346	0	\$0	
Coop Fish & Wildlife Research	1484	13	\$585,043	18	\$1,265,120	13	\$585,043	18	\$1,265,120	
Dean Of Natural Resources	1401	0	\$0	2	\$110,007	0	\$0	2	\$110,007	
Earth Resources	1482	7	\$246,579	15	\$528,450	7	\$246,579	15	\$528,450	
Fish & Wildlife Biologv	1474	56	\$2,850,894	53	\$1,471,916	56	\$2,850,894	53	\$1,471,916	
Forest Sciences	1470	11	\$267,004	88	\$7,006,901	11	\$267,004	88	\$7,006,901	
Nat Res Recreation & Tourism	1480	5	\$86,337	9	\$209,893	5	\$86,337	9	\$209,893	
Natural Resource Ecology Lab	1499	27	\$4,108,782	32	\$3,735,273	27	\$4,108,782	32	\$3,735,273	
Rangeland Ecosvstem Science	1478	12	\$379,456	14	\$344,031	12	\$379,456	14	\$344,031	
<b>Totals</b>		<b>191</b>	<b>\$12,237,441</b>	<b>231</b>	<b>\$14,671,591</b>	<b>191</b>	<b>\$12,237,441</b>	<b>231</b>	<b>\$14,671,591</b>	

## Natural Sciences

Proposals Submitted	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	Current FY		Previous FY		Current FY		Previous FY	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Biochemistrv & Molecular Bio	1870	6	\$1,424,562	2	\$834,363	6	\$1,424,562	2	\$834,363
Biology	1878	6	\$4,371,454	11	\$5,523,291	6	\$4,371,454	11	\$5,523,291
Chemistrv	1872	17	\$9,574,612	9	\$4,900,977	17	\$9,574,612	9	\$4,900,977
Computer Science	1873	1	\$335,241	4	\$676,584	1	\$335,241	4	\$676,584
Mathematics	1874	3	\$336,871	1	\$19,597	3	\$336,871	1	\$19,597
Phvsics	1875	6	\$2,421,473	3	\$3,017,820	6	\$2,421,473	3	\$3,017,820
Psvchology	1876	1	\$739,211	5	\$1,215,014	1	\$739,211	5	\$1,215,014
Statistics	1877	3	\$190,943	1	\$59,549	3	\$190,943	1	\$59,549
<b>Totals</b>		<b>43</b>	<b>\$19,394,367</b>	<b>36</b>	<b>\$16,247,195</b>	<b>43</b>	<b>\$19,394,367</b>	<b>36</b>	<b>\$16,247,195</b>

Awards Received	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	Current FY		Previous FY		Current FY		Previous FY	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Biochemistrv & Molecular Bio	1870	5	\$694,278	10	\$690,635	5	\$694,278	10	\$690,635
Biology	1878	7	\$1,013,359	7	\$559,789	7	\$1,013,359	7	\$559,789
Center For Sci. Math & Tech Ed	1802	0	\$0	2	\$181,766	0	\$0	2	\$181,766
Chemistrv	1872	14	\$2,556,041	17	\$1,498,720	14	\$2,556,041	17	\$1,498,720
Computer Science	1873	5	\$491,260	1	\$67,384	5	\$491,260	1	\$67,384
Dean Of Natural Sciences	1801	1	\$52,800	0	\$0	1	\$52,800	0	\$0
Mathematics	1874	3	\$244,029	3	\$247,856	3	\$244,029	3	\$247,856
Phvsics	1875	7	\$204,518	4	\$93,705	7	\$204,518	4	\$93,705
Psvchology	1876	6	\$970,639	9	\$2,788,618	6	\$970,639	9	\$2,788,618
Statistics	1877	4	\$140,877	5	\$167,565	4	\$140,877	5	\$167,565
<b>Totals</b>		<b>52</b>	<b>\$6,367,801</b>	<b>58</b>	<b>\$6,296,038</b>	<b>52</b>	<b>\$6,367,801</b>	<b>58</b>	<b>\$6,296,038</b>

## Vet. Medicine & Biomedical Sciences

Proposals Submitted	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	Current FY		Previous FY		Current FY		Previous FY	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Anatomy & Neurobiology	1670	0	\$0	1	\$248,093	0	\$0	1	\$248,093
Clinical Sciences	1678	7	\$254,784	5	\$469,448	7	\$254,784	5	\$469,448
Environmental Health	1676	8	\$3,478,432	5	\$1,569,622	8	\$3,478,432	5	\$1,569,622
Microbiology	1677	8	\$10,122,125	7	\$1,660,331	8	\$10,122,125	7	\$1,660,331
Pathology	1671	6	\$3,496,190	2	\$3,699,395	6	\$3,496,190	2	\$3,699,395
Physiology	1672	5	\$1,780,429	3	\$2,076,492	5	\$1,780,429	3	\$2,076,492
Radiological Health Sciences	1673	5	\$605,966	2	\$522,567	5	\$605,966	2	\$522,567
<b>Totals</b>		<b>39</b>	<b>\$19,737,926</b>	<b>25</b>	<b>\$10,245,948</b>	<b>39</b>	<b>\$19,737,926</b>	<b>25</b>	<b>\$10,245,948</b>

Awards Received	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	Current FY		Previous FY		Current FY		Previous FY	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Anatomy & Neurobiology	1670	8	\$1,713,040	12	\$1,672,070	8	\$1,713,040	12	\$1,672,070
Clinical Sciences	1678	11	\$1,139,526	14	\$341,856	11	\$1,139,526	14	\$341,856
Dean Of Vet Medicine	1601	0	\$0	1	\$166,716	0	\$0	1	\$166,716
Environmental Health	1676	14	\$1,643,869	20	\$2,862,522	14	\$1,643,869	20	\$2,862,522
Microbiology	1677	17	\$3,358,753	20	\$3,897,924	17	\$3,358,753	20	\$3,897,924
Pathology	1671	9	\$1,162,514	23	\$1,684,867	9	\$1,162,514	23	\$1,684,867
Physiology	1672	1	\$423,884	10	\$1,327,926	1	\$423,884	10	\$1,327,926
Radiological Health Sciences	1673	10	\$1,476,687	6	\$458,542	10	\$1,476,687	6	\$458,542
<b>Totals</b>		<b>70</b>	<b>\$10,918,273</b>	<b>106</b>	<b>\$12,412,423</b>	<b>70</b>	<b>\$10,918,273</b>	<b>106</b>	<b>\$12,412,423</b>



**Other**

	Quarter Totals					Fiscal Year to Date Totals				
	Dept #	Current FY		Previous FY		No.	Current FY		Previous FY	
		No.	Amount	No.	Amount		Amount	No.	Amount	
<b>Proposals Submitted</b>										
Academic Advancement Center	8100	0	\$0	1	\$1,457,030	0	\$0	1	\$1,457,030	
Colo Water Resources Res Inst	2033	1	\$120,000	0	\$0	1	\$120,000	0	\$0	
Cooperative Extension	4040	1	\$14,500	2	\$2,772,299	1	\$14,500	2	\$2,772,299	
Graduate School	2015	0	\$0	1	\$220,000	0	\$0	1	\$220,000	
San Luis Vallev Research Ctr	3043	1	\$5,000	0	\$0	1	\$5,000	0	\$0	
University Health Services	8031	0	\$0	1	\$171,947	0	\$0	1	\$171,947	
V P Research & Info Technology	2001	1	\$270,000	0	\$0	1	\$270,000	0	\$0	
<b>Totals</b>		<b>4</b>	<b>\$409,500</b>	<b>5</b>	<b>\$4,621,276</b>	<b>4</b>	<b>\$409,500</b>	<b>5</b>	<b>\$4,621,276</b>	

	Quarter Totals					Fiscal Year to Date Totals				
	Dept #	Current FY		Previous FY		No.	Current FY		Previous FY	
		No.	Amount	No.	Amount		Amount	No.	Amount	
<b>Awards Received</b>										
Academic Advancement Center	8100	2	\$21,027	1	\$267,119	2	\$21,027	1	\$267,119	
Agric Experiment Station	3001	2	\$8,000	1	\$5,000	2	\$8,000	1	\$5,000	
Center Educ Access & Outreach	8005	1	\$3,803	3	\$833,263	1	\$3,803	3	\$833,263	
Colo Water Resources Res Inst	2033	1	\$6,000	2	\$20,000	1	\$6,000	2	\$20,000	
Colorado State Forest Svc-Csu	5060	0	\$0	1	\$278,416	0	\$0	1	\$278,416	
Cooperative Extension	4040	8	\$184,809	2	\$489,825	8	\$184,809	2	\$489,825	
El Centro Student Services	8017	0	\$0	1	\$1,500	0	\$0	1	\$1,500	
Graduate School	2015	9	\$456,482	8	\$413,927	9	\$456,482	8	\$413,927	
Housing	8032	0	\$0	1	\$55,500	0	\$0	1	\$55,500	
International Programs	1024	2	\$126,937	1	\$17,247	2	\$126,937	1	\$17,247	
San Luis Vallev Research Ctr	3043	8	\$127,040	3	\$152,160	8	\$127,040	3	\$152,160	
Service Learning & Voluntr Pgm	8040	1	\$139,955	0	\$0	1	\$139,955	0	\$0	
Student Center	8033	0	\$0	1	\$1,500	0	\$0	1	\$1,500	
Talent Search Program	0011	1	\$10,000	2	\$300,907	1	\$10,000	2	\$300,907	
University Police	6023	1	\$1,000	1	\$1,000	1	\$1,000	1	\$1,000	
Western Colorado Research Ctr	3046	2	\$23,389	0	\$0	2	\$23,389	0	\$0	
<b>Totals</b>		<b>38</b>	<b>\$1,108,442</b>	<b>28</b>	<b>\$2,837,364</b>	<b>38</b>	<b>\$1,108,442</b>	<b>28</b>	<b>\$2,837,364</b>	

## **Section III**

**Indirect Cost Earning Projections  
RA/RSP Distributions  
Expenditures**

**Research Fund Facilities and Administrative (F&A) Recoveries  
September 2001**

**Please refer to the Sponsored Programs Reports Website:  
<http://www.research.colostate.edu/pubs/>**

**Research Administration / Resources for Scholarly Programs (RA/RSP)**

**Distribution to Colleges**

**RA/RSP FUND EXPENDITURE ANALYSIS**  
**BY COLLEGE and DEPARTMENT**  
**For Fiscal Year 2000 - 2001**  
**As of June 30, 2001 Final**

College	Faculty		Support		Travel		Materials		Services		Capital		Total
Dept.	Salary	%	Staff	%		%	Supplies	%		%	Outlay	%	
<b>Provost/Academic V P</b>					<b>\$1,356.88</b>	<b>13</b>			<b>\$9,000.00</b>	<b>87</b>			<b>\$10,356.88</b>
Provost/Academic V P									9,000.00	100			9,000.00
International Programs					1,356.88	100							1,356.88
HUB - Center for Life Sciences													
<b>Agricultural Science</b>	<b>\$27,909.86</b>	<b>12</b>	<b>\$33,432.10</b>	<b>14</b>	<b>\$10,955.77</b>	<b>5</b>	<b>\$87,188.11</b>	<b>37</b>	<b>\$45,593.73</b>	<b>20</b>	<b>\$27,656.74</b>	<b>12</b>	<b>\$232,736.31</b>
Dean of Ag Sciences	2,659.50	9	200.00	1	132.00	0			25,593.25	90			28,584.75
International Agricultural Pro													
Dept of Soil and Crop Sciences	15,204.17	20	18,203.36	24	5,143.60	7	28,067.60	37	9,614.50	13			76,233.23
Animal Sciences			1,585.52	3	285.57	0	28,711.70	46	2,744.76	4	29,149.79	47	62,477.34
Agric & Resource Economic			6,761.29	47			7,595.14	53					14,356.43
Horticulture & Landscape Architecture	1,801.14	8	1,494.17	7	533.16	3	15,007.75	71	2,373.97	11			21,210.19
Plant Path & Weed Science													
Entomology													
Food Science & Technology													
Bioagric Sciences & Pest Mgt	8,245.05	28	5,187.76	17	4,861.44	16	7,805.92	26	5,267.25	18	-1,493.05	-5	29,874.37
<b>Business</b>					<b>\$1,328.87</b>	<b>14</b>	<b>\$3,413.88</b>	<b>36</b>	<b>\$4,655.24</b>	<b>50</b>			<b>\$9,397.99</b>
Dean of Business					1,328.87	15	3,014.28	33	4,655.24	52			\$8,998.39
Marketing							399.60	100					\$399.60
<b>Engineering</b>	<b>\$576,300.17</b>	<b>24</b>	<b>\$409,641.06</b>	<b>17</b>	<b>\$127,338.96</b>	<b>5</b>	<b>\$357,421.41</b>	<b>15</b>	<b>\$709,269.34</b>	<b>30</b>	<b>\$194,487.58</b>	<b>8</b>	<b>\$2,374,458.52</b>
Dean of Engineering	37,288.28	13			9,038.18	3	18,102.41	6	225,937.10	79	-3,488.65	-1	286,877.32
Engineering Res Center	63,480.30	49	57,230.42	44			6,402.55	5	1,687.38	1			128,800.65
Chemical and Bioresource Engr	4,872.55	16	4,462.10	15	1,007.30	3	4,799.08	16	14,894.79	50			30,035.82
Atmospheric Science	181,354.54	23	102,760.61	13	70,372.41	9	164,484.15	21	275,866.39	34	4,847.73	1	799,685.83
Civil Engineering	41,783.72	22	23,726.61	13	16,584.45	9	30,099.03	16	63,479.98	33	13,874.43	7	189,548.22
Electrical Engineering	19,126.30	9	8,465.09	4	13,186.79	6	38,013.16	18	16,814.67	8	118,027.18	55	213,633.19
Mechanical Engineering	85,940.93	37	58,144.45	25	3,728.00	2	3,363.36	1	22,384.33	10	56,336.89	25	229,897.96
CIRA Admin Unit	142,453.55	29	154,851.78	31	13,421.83	3	92,157.67	19	88,204.70	18	4,890.00	1	495,979.53
<b>Natural Resources</b>	<b>\$342,399.22</b>	<b>24</b>	<b>\$249,657.76</b>	<b>18</b>	<b>\$19,389.56</b>	<b>1</b>	<b>\$153,104.04</b>	<b>11</b>	<b>\$562,225.71</b>	<b>40</b>	<b>\$90,417.52</b>	<b>6</b>	<b>\$1,417,193.81</b>
Dean of Natural Resources	178,378.83	75	42,727.09	18	600.42	0	3,430.44	1	12,947.27	5	-878.00	0	237,206.05
Forest Sciences	57,875.62	12	60,646.64	13	7,471.40	2	74,029.01	16	271,172.71	58			471,195.38
Fish & Wildlife Biology	36,618.32	22	21,944.24	13	3,049.32	2	25,787.61	16	16,396.62	10	59,762.36	37	163,558.47
Rangeland Ecosystem Science	23,707.14	52	2,869.44	6	660.51	1	3,249.94	7	15,113.22	33			45,600.25
Nat Res Recreation & Tourism	13,115.00	33	18,375.44	46	39.00	0	1,543.89	4	6,588.33	17			39,661.66
Earth Resources	10,968.48	20	198.87	0	5,891.19	10	12,210.72	22	6,362.45	11	20,575.00	37	56,206.71
Natural Res Ecology Lab	21,735.83	5	102,896.04	25	1,677.72	0	32,852.43	8	233,645.11	58	10,958.16	3	403,765.29
<b>Appl. Human Sciences</b>	<b>\$41,243.83</b>	<b>16</b>	<b>\$39,610.66</b>	<b>16</b>	<b>\$18,461.32</b>	<b>7</b>	<b>\$74,771.50</b>	<b>29</b>	<b>\$50,908.36</b>	<b>20</b>	<b>\$29,212.00</b>	<b>11</b>	<b>\$254,207.67</b>
Dean of Applied Human Sciences	27,197.41	30	1,541.32	2	8,324.02	9	17,912.11	20	14,325.86	16	20,212.00	23	89,512.72
Human Dev & Family Studies	359.03	7	980.31	20	1,617.22	33	571.16	12	1,407.52	29			4,935.24





**Externally Funded Governmental and Contractual Expenditures**

**Percent by Funding Source**

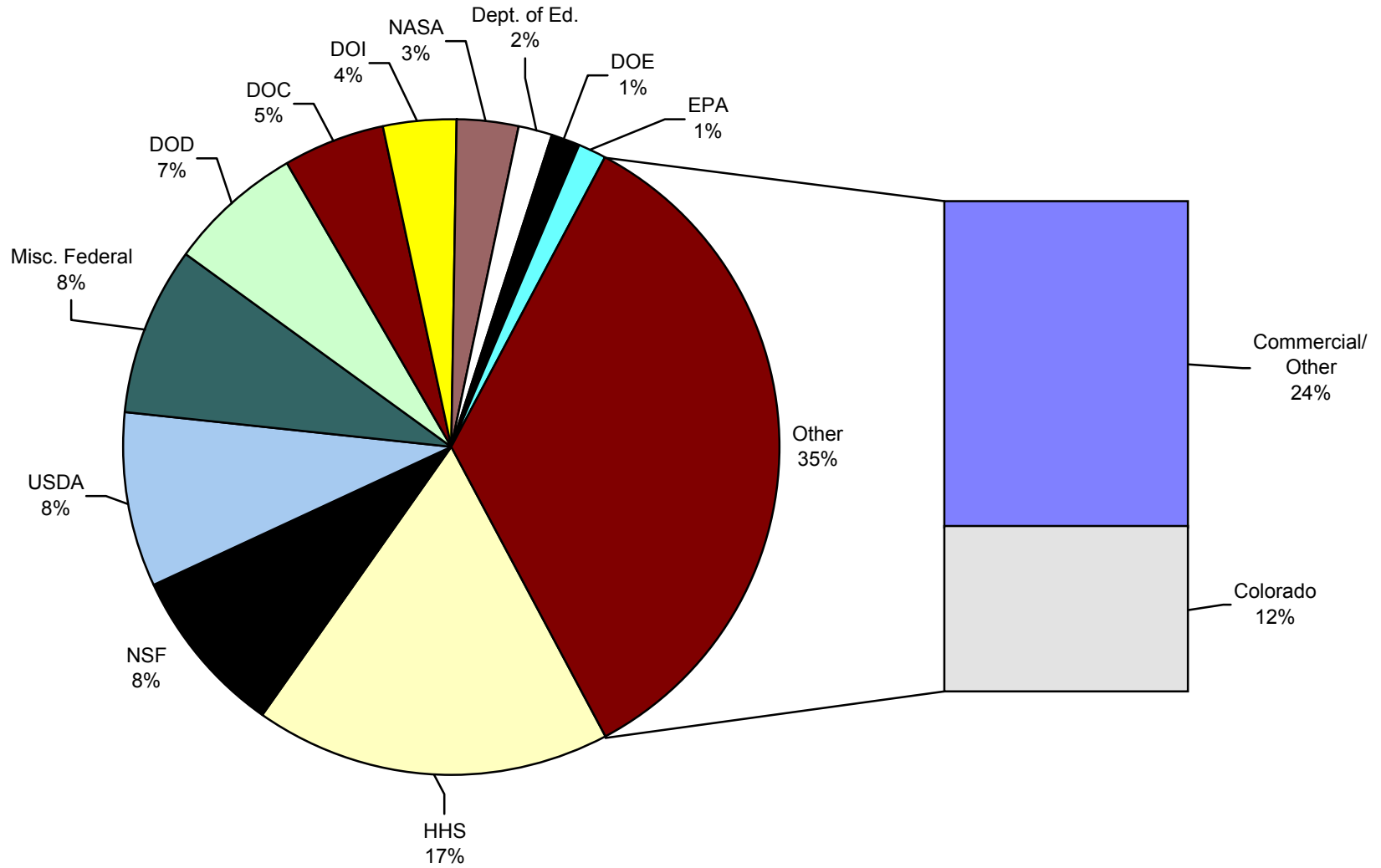


Annual Expenditures  
Sources of Externally Funded Governmental and Contractual Expenditures  
Colorado State University

Source of Funding	FY 2000	FY 2000 % of Total	FY 2001	FY 2001 % of Total
<b>Federal</b>				
<i>Miscellaneous</i>				
Dept. Ed. Student Aid	\$ 8,603,092	6%	\$ 9,067,567	5%
Exp. Station Fed + Cash	\$ 3,776,671	2%	\$ 3,442,205	2%
Miscellaneous Federal (5-3 sources)	\$ 750,441	0%	\$ 959,245	1%
<b>Miscellaneous Total</b>	<b>\$ 13,130,204</b>	<b>9%</b>	<b>\$ 13,469,017</b>	<b>8%</b>
HHS-Health and Human Services	\$ 27,009,594	18%	\$ 28,989,112	17%
USDA-Department of Agriculture	\$ 11,659,403	8%	\$ 13,968,856	8%
NSF-National Science Foundation	\$ 11,707,441	8%	\$ 14,074,957	8%
DOI-Department of Interior	\$ 6,159,349	4%	\$ 5,990,628	4%
DOD-Department of Defense	\$ 10,447,015	7%	\$ 10,959,044	7%
NASA-Natl Aero & Space Admin	\$ 4,497,549	3%	\$ 4,779,923	3%
DEd-Department of Education	\$ 2,753,037	2%	\$ 3,066,835	2%
DOE-Department of Energy	\$ 3,159,559	2%	\$ 2,420,569	1%
EPA-Environ Protection Agency	\$ 2,132,088	1%	\$ 2,146,276	1%
COM-Department of Commerce	\$ 8,534,608	6%	\$ 8,572,960	5%
STATE-Department of State	\$ 30,864	0%	\$ 128,720	0%
DOT-Department of Transportation	\$ 208,554	0%	\$ 266,231	0%
<b>Total Federal</b>	<b>\$ 101,429,265</b>	<b>66%</b>	<b>\$ 108,833,128</b>	<b>66%</b>
<b>Non-Federal</b>				
<i>Commercial and Other</i>				
2-2 Sources	\$ 10,049,865	7%	\$ 11,456,100	7%
2-9 Sources	\$ 1,515,690	1%	\$ 1,829,737	1%
5-3 Sources (Other)	\$ 12,309,928	8%	\$ 13,598,398	8%
5-3 Sources (Commercial)	\$ 6,370,522	4%	\$ 8,896,651	5%
6-4 Sources	\$ 2,163,926	1%	\$ 2,224,174	1%
<b>Total Commercial and Other</b>	<b>\$ 32,409,931</b>	<b>21%</b>	<b>\$ 38,005,059</b>	<b>23%</b>
<i>State of Colorado</i>				
1-5 Sources (Exp. Sta State Support)	\$ 9,180,321	6%	\$ 9,212,132	6%
5-3 Sources (Colorado)	\$ 10,169,363	7%	\$ 9,886,836	6%
<b>Total State of Colorado</b>	<b>\$ 19,349,684</b>	<b>13%</b>	<b>\$ 19,098,968</b>	<b>12%</b>
<b>Total Non-Federal</b>	<b>\$ 51,759,615</b>	<b>34%</b>	<b>\$ 57,104,027</b>	<b>34%</b>
<b>Grand Total</b>	<b>\$ 153,188,880</b>	<b>100%</b>	<b>\$ 165,937,155</b>	<b>100%</b>

# Externally Funded Governmental Contractual Expenditures

Fiscal Year 2001 - Total \$166 Million



## **Section IV**

**Proposals Submitted  
July - September 2001**

## Agricultural Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Loomis,John B	Primary PI USDA-Forest Service-Pacific NW Exp Statn	Agric & Resource Economics Understanding Issues Associated with Recreation & Tourism on Wildlands of the Pacific Northwest	8/1/01 - 9/30/02	02327801 12025	\$15,000
Scanga,John A Belk,Keith	Primary PI Co-PI Future Beef Operations, LLC	Animal Sciences Comparison of Competing Beef Product Lines to Beef From Future Beef Operations (Arkansas City, KS) in Four Safeway ...	7/15/01 - 9/30/02	02327201 12005	\$75,540
Hutcheson,Harry Joel	Primary PI HHS-NIH-NIAID-Allergy & Infect Diseases	Bioagricultural Sci & Pest Mgmt Molecular Genetic Markers for Medically Important Tick Vectors	10/1/01 - 9/30/03	02350201 12032	\$267,957
Lawrence,Christopher B	Primary PI NSF - National Science Foundation	Bioagricultural Sci & Pest Mgmt Molecular Dissection of Plant Disease Resistance to a Necrotrophic Fungal Pathogen Using Functional Genomics	1/1/02 - 12/31/06	02330201 12064	\$994,135
Norton,Andrew P	Primary PI USDA-ARS-Agricultural Research Service	Bioagricultural Sci & Pest Mgmt Investigations on the Distribution & Biology of Tarnished Plant Bugs (Lygus spp.) & their Natural Enemies in Colorado	10/1/01 - 9/30/02	02358101 12373	\$5,000
Vivanco,Jorge M Schweizer,Herbert P	Primary PI Co-PI Cystic Fibrosis Foundation	Horticulture & Landscape Arch ** Rosmarinic Acid : A Potent anti-Pseudomonas aeruginosa Drug	10/1/01 - 9/30/03	02337101 12142	\$86,400
Haley,Scott D Yu,Liangli	Primary PI Co-PI BASF Corporation	Soil & Crop Sciences ** Clearfield Winter Wheat Cultivar Development for Colorado & the Central Great Plains	7/1/01 - 6/30/02	02328201 11340	\$20,590
Kelly,Eugene F	Primary PI DOI-BLM-Bureau of Land Management	Soil & Crop Sciences Utilization of Remote Sensing Technologies: California Desert Predictive Modeling Project	1/1/02 - 1/1/03	02329301 12076	\$57,370
<b>Agricultural Sciences Total:</b>					<b>\$1,521,992</b>

\*Managed Sponsor

\*\*Inter-departmental Project

## Applied Human Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Bell,Paul A Barber,Clifton E	Primary PI Collaborator	Dean Of Applied Human Sciences ** HHS-ADA-Administration on Aging	Establishing Elder Care Networks & Training Savvy Caregivers in Rural Areas	1/1/02 - 12/31/04	02335901 12010	\$448,816
Gotshall,Robert W Devoe,Dale E Nelson,Tracy L	Primary PI Collaborator Collaborator	Dent Of Health & Exercise Sci RGK Foundation	Pilot Study: Steps to Health Program	1/1/02 - 12/31/02	02346901 12275	\$44,429
Anderson,Jennifer E.L	Primary PI	Food Science & Human Nutrition Colorado Department of Human Service	Colorado Nutrition Education Plan FY 2001-2002	10/1/01 - 9/30/02	02328401 12077	\$2,172,620
Barrett,Karen C	Primary PI	Human Dev & Family Studies NSF - National Science Foundation	Collaborative Research: Emotion Regulation during the Transition to Secondary School	1/20/02 - 1/19/05	02332401 11591	\$300,684
Fidler,Deborah	Primary PI	Human Dev & Family Studies University of Colorado Health Sci Ctr	Adaptive Digital Assistants: Using Mobile Computing Devices to Assist Individuals with Cognitive Disabilities	7/1/02 - 6/30/07	02331301 12055	\$703,535
Fidler,Deborah	Primary PI	Human Dev & Family Studies The Seattle Foundation	Etiology-Specific Motivational Styles in Mental Retardation	5/1/02 - 5/1/04	02363101 12178	\$2,500
De Miranda,Michael	Primary PI	Mfg Tech & Constr Mgmt Ohio State University	Technology Teacher Inservice	4/1/02 - 3/31/06	02352201 12237	\$373,637
Sample,Pat L	Primary PI	Occupational Therapy Colorado Dept Public Health & Environ	Traumatic Brain Injury Linkage System Feasibility Study Dissemination	9/1/01 - 8/31/02	02326101 11997	\$70,999
Schelly,Catherine L Kothe,Julia M	Primary PI Co-PI	Occupational Therapy US Department of Education	Job Opportunities Build Success	1/1/02 - 12/31/06	02328101 11841	\$1,205,468
Feller,Richard W	Primary PI	School Of Education CO Comm College & Occup Ed Sys (CCCOES)	Career Development State-Wide Training	8/17/01 - 5/16/02	02344601 11823	\$13,529
Gloeckner,Gene	Primary PI	School Of Education ** NSF - National Science Foundation	Hydro-Education Laboratory	6/1/02 - 5/31/06	02336401 12006	\$303,076

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Proposals Submitted - 2

**Applied Human Sciences - Proposals**

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Schatz,Mona Struhsaker Downey,Eleanor P	Primary PI Co-PI	Social Work Colorado Department of Human Service	Specialized Foster Care Training Services 11/1/01 - 6/30/02	02338501 12153	\$89,995
<b>Applied Human Sciences Total:</b>					<b>\$5,729,288</b>

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Proposals Submitted - 3

**Business - Proposals**

<b>Investigators/Collaborators</b>	<b>Department/Sponsor</b>	<b>Title</b>	<b>Project Start / End Dates</b>	<b>Key # / PASS #</b>	<b>Amount</b>	
Smith,Charles A.P Clegg,Benjamin A Young,Peter	Primary PI Co-PI Co-PI	Computer Information Svstems ** DOD-ARPA-Advanced Research Proj. Agency	Multi-Modal Support for Augmented Cognition	10/1/01 - 12/31/02	02352601 12206	\$442,067
<b>Business Total:</b>					<b>\$442,067</b>	

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Proposals Submitted - 4

## Engineering - Proposals

Investigators/Collaborators		Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Cotton, William R	Primary PI	Atmospheric Science NASA - Natl Aeronautics & Space Admin.	Cumulonimbus/Cirrus Interactions in the Subtropics	10/1/01 - 9/30/03	02319201 11670	\$747,106
Demott, Paul J Kreidenweis-Dandy, Soni	Primary PI Co-PI	Atmospheric Science NASA - Natl Aeronautics & Space Admin.	Upper Tropospheric Ice Nuclei Measurements in CRYSTAL-FACE	9/1/01 - 8/31/03	02327001 11871	\$287,801
Denning, A Scott	Primary PI	Atmospheric Science NASA - Natl Aeronautics & Space Admin.	Spatial Integration of Regional Carbon Balance in Amazonia	1/1/01 - 12/31/01	02340301 11489	\$39,208
Montgomery, Michael T Nolan, David S	Primary PI Co-PI	Atmospheric Science NSF - National Science Foundation	Fully Three-dimensional Stability Analyses & Evolution of Hurricanes & Tornadoes with Secondary Circulations	1/1/02 - 12/31/02	02330901 11892	\$504,602
Montgomery, Michael T	Primary PI	Atmospheric Science DOD-NAVY-ONR-Office of Naval Research	Fundamental Studies in Tropical Cyclone Structure & Intensity Change	1/1/02 - 12/31/04	02352401 12131	\$897,269
Randall, David A Demott, Charlotte A	Primary PI Co-PI	Atmospheric Science ** NSF - National Science Foundation	The MJO in Nature & in GCMs: An Analysis of Factors Relevant to Its Initiation, Maintenance, & Suppression	10/1/01 - 9/30/04	02323301 11894	\$518,287
Schubert, Wayne H Kossin, James P	Primary PI Co-PI	Atmospheric Science DOD-NAVY-ONR-Office of Naval Research	Rapid Pressure Falls, Mesovortices, Polygonal Flow, & Potential Vorticity Mixing in Hurricanes	9/1/01 - 8/31/04	02323101 11923	\$290,117
Stephens, Graeme L	Primary PI	Atmospheric Science NASA - Natl Aeronautics & Space Admin.	Toward Understanding Lifecycle of Tropical Cirrus	10/1/01 - 9/30/03	02319301 11878	\$287,899
Thompson, David	Primary PI	Atmospheric Science NSF - National Science Foundation	CAREER Analysis of Annular Modes in the Atmospheric General Circulation	10/1/01 - 9/30/06	02331101 11891	\$999,119
Belfiore, Laurence A	Primary PI	Chemical & Biores Engineering DOD-ARMY-ARO-Army Research Office	Self-assembled Nanoclusters in Water-Soluble Polymeric Complexes	5/1/02 - 4/30/05	02357101 12334	\$445,645

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Proposals Submitted - 5



## Engineering - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Dandy,David S	Primary PI	Chemical & Biores Engineering University of Wisconsin	Fundamental Studies of Atmospheric-Pressure Plasma-Enhanced Decontamination & Disinfection of Water	11/1/01 - 10/31/03	02341301 12146	\$100,476
Gallagher,Neal C	Primary PI	Chemical & Biores Engineering Texas A & M	Determination of Transport Parameters in Coupled Heat & Moisture Transport in Soils Using Nuclear Magnetic Resonance	9/1/01 - 11/30/03	02341601 12107	\$110,040
Linden,James C	Primary PI	Chemical & Biores Engineering **	Plant Secondary Metabolite Formation Regulated by Ethylene & Methyl Jasmonate	2/2/02 - 2/1/05	02324201 11909	\$398,569
Reddy,Anireddy S N	Co-PI	NSF - National Science Foundation				
Murphy,Vincent G	Primary PI	Chemical & Biores Engineering	REU - Chemical Engineering Using the Colorado Bioprocessing Center	2/1/02 - 1/31/05	02355401 12345	\$221,065
Batt,Brian C	Co-PI	NSF - National Science Foundation				
Bhadra,Rajiv	Co-PI					
Henk,Linda L	Co-PI					
Karim,M Nazmul	Co-PI					
Linden,James C	Co-PI					
Rinker,Kristina D	Co-PI					
Wickramasinghe,Ranil	Co-PI					
Rinker,Kristina D	Primary PI	Chemical & Biores Engineering Searle Scholars Program	Endothelial Cell Physiology in Atherosclerosis & Hypertension	7/2/02 - 6/30/05	02360701 12403	\$240,000
Sale,Thomas C	Primary PI	Chemical & Biores Engineering DOD-USAF-Air Force	Technical Protocol for Evaluating the Effects of Source Zone Remediation on Groundwater Quality & Source Longevity	1/1/01 - 1/1/04	02358701 12366	\$256,346
Watson,A Ted	Primary PI	Chemical & Biores Engineering Texas A & M	Nuclear Magnetic Resonance Characterization of Heterogeneous Porous Media	10/6/01 - 5/2/02	02360101 12241	\$293,550
Campbell,G. Garrett	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	International Satellite Cloud Climatology Project GOES-West Sector Processing Center	1/1/02 - 12/30/04	02341501 12212	\$567,620

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Proposals Submitted - 6

## Engineering - Proposals

Investigators/Collaborators		Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Collett, Jeffrey L. Jr Kreidenweis-Dandy, Soni	Primary PI Co-PI	CIRA DOI-NPS-National Park Service	Field Investigation of Smoke Plumes: Aerosol Characterization & Testing of IMPROVE Assumptions	8/1/01 - 7/31/02	02336001 12156	\$250,000
Fox, Douglas G	Primary PI	CIRA DOI-NPS-National Park Service	Fire Effects on Regional Air Quality Including Visibility	10/1/01 - 9/30/03	02336301 12166	\$176,362
Jones, Andrew S Kidder, Stanley Q	Primary PI Co-PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Harnessing the Spare Computing Power of Desktop PCs for Improved Satellite Data Processing & Technology Transition	12/1/01 - 10/1/02	02342101 12209	\$29,700
Kummerow, Christian D Berg, Wesley K	Primary PI Co-PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Variability & Trends in Global Precipitation	5/1/02 - 4/30/05	02341401 12159	\$136,147
Matsumoto, Clifford R	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Activities & Participation in DMSP Satellite Data Processing & Analysis	1/1/02 - 6/30/02	02334401 12117	\$41,161
Pielke, Roger A Doesken, Nolan J	Primary PI Co-PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	A Comparison of Rooftop & Standard Ground-based Temperature Measurements	8/1/01 - 7/31/02	02337401 12071	\$23,000
Vonderhaar, Thomas H	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Postdoctoral Program - National Environmental Satellite, Data, & Information Service	7/1/01 - 6/30/03	02337901 12151	\$1,338,200
Vonderhaar, Thomas H	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Environmental Applications Research Project	7/1/01 - 6/30/02	02337301 12144	\$4,710,348
Vonderhaar, Thomas H	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Advanced Environmental Satellite Research Support	8/1/01 - 6/30/02	02330401 12014	\$223,034
Vukicevic, Tomislava	Primary PI	CIRA UCAR-NCAR-Nat Ctr for Atmospheric Res	Intercontinental Transport of Asian Anthropogenic Pollutants to North America	5/1/02 - 4/30/04	02336601 12170	\$108,371

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Proposals Submitted - 7

## Engineering - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Garcia,Luis Ojima,Dennis Parton,William J	Primary PI Co-PI Collaborator	Civil Engineering ** DOE - US Department of Energy	Modeling Regional Climate Impacts on Crops & Water Supply	10/1/01 - 9/30/04	02331701 12059	\$255,346
Grigg,Neil S Vlachos,Evan C	Primary PI Co-PI	Civil Engineering ** NSF - National Science Foundation	Condition & Security Indicators for Interdependent Infrastructure Systems	1/1/02 - 12/31/05	02358301 12232	\$293,315
Heyliger,Paul R Hartnagel,Bryan Leisure,Robert G Radford,Donald W	Primary PI Co-PI Collaborator Collaborator	Civil Engineering ** NSF - National Science Foundation	Research Experiences for Undergraduates (REU) Site: Studies in Vibration & Sound	5/28/02 - 5/27/05	02344501 12109	\$299,898
Heyliger,Paul R	Primary PI	Civil Engineering ** DOD-ARPA-Advanced Research Proj. Agency	The Effective Mechanical Properties of Carbon & Inorganic Nanotube Networks	1/1/02 - 12/31/04	02337001 12150	\$264,029
Loftis,Jim C Davis,Jessica G	Primary PI Co-PI	Civil Engineering ** USDA-CSREES-Coop State Rsrch Edu & Ext	National Needs Graduate Fellowships in Natural Resources	1/1/02 - 12/30/04	02330501 11883	\$207,000
Roesner,Larry A Bledsoe,Brian	Primary PI Co-PI	Civil Engineering NSF - National Science Foundation	Mitigating the Hydrogeomorphic Effects of Urban Runoff on Small Order Streams	11/1/01 - 10/31/02	02331401 12095	\$145,563
Thornton,Christopher I Abt,Steven R	Primary PI Co-PI	Civil Engineering DOT-Federal Highway Administration	Prediction of Scour at Bridge Abutments	3/1/02 - 9/30/05	02357301 12203	\$499,999
Watson,Chester C Carlson,Kenneth H	Primary PI Co-PI	Civil Engineering DOD-ARMY	Demonstration Erosion Control Monitoring Year 2002	10/1/01 - 9/30/02	02355101 12299	\$499,750
Watson,Chester C	Primary PI	Civil Engineering Illinois State Water Survey	Watershed Assessment for Illinois Streams	9/1/01 - 9/30/02	02340101 12181	\$75,043
Bringi,Viswanathan N Hubbert,John	Primary PI Co-PI	Elec & Computer Engineering NSF - National Science Foundation	Field Studies of Raindrop Axis Ratio & Orientation Distributions Using an Improved 2D-video Disdrometer & ...	5/1/02 - 4/30/05	02360601 12270	\$378,450

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Proposals Submitted - 8

## Engineering - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Lile,Derek L	Primary PI	Flec. & Computer Engineering Colorado Institute of Technology	Recruitment & Retention of Women & Minorities in Information Technology Majors	6/1/02 - 5/31/03	02332101 11147	\$289,549
Nassar,Carl R	Primary PI	Flec. & Computer Engineering NSF - National Science Foundation	High Performance, High Throughput OFDM via Carrier Interformetry: Creating a Platform Technology to Marry PANs...	6/1/02 - 5/31/04	02360401 12424	\$228,839
Venkatachalam,Chandras	Primary PI	Flec. & Computer Engineering NSF - National Science Foundation	REU - Electrical Engineering Focused Around the CSU-CHILL National Radar Facility	5/1/02 - 4/30/05	02355601 12141	\$208,550
Hittle,Douglas C	Primary PI	Mechanical Engineering ** NSF - National Science Foundation	Robust Recurrent Reinforcement Learning (R3L) Control for Building Energy Systems	5/1/02 - 4/30/05	02357401 12361	\$852,206
Anderson,Charles Young,Peter	Co-PI Co-PI					
Kostrzewa,Michael F	Primary PI	Mechanical Engineering AMEC Earth & Environmental, Inc.	Consulting Assistance with Energy Conservation Audits at South Dakota National Guard Facilities	8/20/01 - 10/31/01	02358801 12106	\$11,667
Olsen,Daniel B Bestor,Ted Willson,Bryan D	Primary PI Co-PI Co-PI	Mechanical Engineering El Paso Energy	Planar, Laser-induced Fluorescence Evaluation of LCM Fuel Valves	7/17/01 - 10/1/01	02327501 12013	\$10,482
Radford,Donald W	Primary PI	Mechanical Engineering NSF - National Science Foundation	Shape Stable - Shape Correct Laminated Composites	1/1/02 - 12/31/05	02358001 12412	\$193,781
Wheeler,Donna Pluhar,G. Elizabeth Turner,Anthony Simon	Primary PI Collaborator Collaborator	Mechanical Engineering ** Stryker Biotech	Delivery of osteogenic protein-1 (OP-1) in Enhanced Cement: An Ovine Tibial Ostectomy Study	9/1/01 - 8/30/02	02350001 12201	\$135,555
Willson,Bryan D Bestor,Ted	Primary PI Co-PI	Mechanical Engineering Cummins Engine Company	Development of Diesel Pilot Ignition for a Cummins QSK Natural Gas Engine	10/15/01 - 10/15/03	02351301 12271	\$800,000
<b>Engineering Total:</b>					<b>\$19,890,064</b>	

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## Liberal Arts - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Van Buren, Mary L	Primary PI Anthropology NFAH-Natl Endowment for the Humanities	Inka, Spanish, & Indigenous Silver Production in Porco, Bolivia	5/1/02 - 9/1/03	02343901 12121	\$181,746
Slater, Michael D	Primary PI Journalism & Technical Comm AMC Cancer Research Center	Southwest Cancer Communication Consortium	7/1/02 - 6/30/07	02318101 11973	\$1,642,308
Thaut, Michael H	Primary PI Music Theatre & Dance The Intl Foundation for Music Research	Facilitation of Cognitive Functions through Temporal Entrainment in Music	11/1/01 - 10/31/04	02330001 12024	\$187,606
Thaut, Michael H	Primary PI Music Theatre & Dance HHS-NIH-Center for Scientific Review	Long-Term Rhythmic Gait Training for Parkinson's Disease	12/1/01 - 11/30/02	02330801 11950	\$362,500
<b>Liberal Arts Total:</b>					<b>\$2,374,160</b>

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Proposals Submitted - 10

## Natural Resources - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Shaw,Robert B Zeidler,James A	Primary PI Collaborator	CEMMML DOD-ARMY	Cultural Resources Support Services by the Center for Environmental Management of Military Lands, (CEMML) ...	10/1/01 - 9/30/06	02357201 11854	\$4,540,551
Shaw,Robert B Jones,David S	Primary PI Co-PI	CEMMML DOD-ARMY-Fort Lewis, Washington	Tracked Vehicle Project Support for Fort Lewis, Washington	9/1/01 - 1/15/03	02345201 12308	\$27,500
Warren,Steven D	Primary PI	CEMMML NSF - National Science Foundation	New Generation 3-Dimensional Soil Erosion Modeling on China's Loess Plateau	5/1/02 - 4/30/04	02335701 12116	\$171,738
Savidge,Julie	Primary PI	Coop Fish & Wildlife Research DOI-USGS-Geological Survey	Population Demography of Lark Buntings	7/13/01 - 9/30/04	02328901 11995	\$123,649
White,Gary C	Primary PI	Coop Fish & Wildlife Research DOI-USGS-Geological Survey	Distribution & Abundance of Bighorn Sheep in Rocky Mountain National Park	8/1/01 - 9/30/04	02325401 11906	\$211,733
Macdonald,Lee H	Primary PI	Earth Resources USDA-USFS-Forest Research	Monitoring Runoff & Erosion in the Upper South Platte Restoration	6/1/01 - 6/30/06	02341001 12218	\$236,253
Stein,Holly J Hannah,Judith L	Primary PI Co-PI	Earth Resources NSF - National Science Foundation	Technician Support: Technical Support for Geochronology at Colorado State University under the AIRIE Program	1/1/02 - 12/31/04	02324901 11920	\$210,000
Anderson,David G Drummond Iii,Boyce A	Primary PI Co-PI	Fish & Wildlife Biology USDA-USFS-Forest Research	Region 2 Species Assessments	10/1/01 - 12/31/04	02351201 12290	\$301,275
Anderson,David G	Primary PI	Fish & Wildlife Biology DOD-USAF-Air Force	Noxious Weed Inventory	8/1/01 - 5/1/03	02325601 11189	\$45,143
Black,Anne E	Primary PI	Fish & Wildlife Biology The Nature Conservancy	Cherokee Park Weed Mapping	8/1/01 - 4/15/02	02319501 11932	\$10,859
Black,Anne E	Primary PI	Fish & Wildlife Biology Colorado Department of Transportation	Spatial Maximization of Prebles Meadow Jumping Mouse Habitat	9/1/01 - 12/31/01	02338201 11647	\$4,828

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Proposals Submitted - 11

## Natural Resources - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Black,Anne E	Primary PI	Fish & Wildlife Biology ** DOI-BLM-Bureau of Land Management	Sagebrush Mapping Project 9/1/01 - 2/28/02	02344401 12246	\$20,868
Clements,William H	Primary PI	Fish & Wildlife Biology National Park Foundation	Ultra-Violet Radiation Effects on Stream Ecosystem Function 8/1/02 - 7/31/04	02357801 12414	\$100,000
Culver,Denise R	Primary PI	Fish & Wildlife Biology DOI-BLM-Bureau of Land Management	Gunnison County Seeps & Springs Inventory 10/1/01 - 9/30/02	02349001 12277	\$15,000
Culver,Denise R	Primary PI	Fish & Wildlife Biology DOI-BLM-Bureau of Land Management	Mesa County Seeps & Springs Survey - Phase 2 9/1/01 - 9/30/02	02338301 12154	\$5,500
Culver,Denise R	Primary PI	Fish & Wildlife Biology DOI-BLM-Bureau of Land Management	Roan Creek Seeps & Springs Survey 9/1/01 - 9/30/02	02338401 12155	\$5,000
Culver,Denise R	Primary PI	Fish & Wildlife Biology DOI-BLM-Bureau of Land Management	Mesa County Seeps & Springs Survey 9/1/01 - 9/30/01	02333001 12065	\$2,500
Gionfriddo,James P	Primary PI	Fish & Wildlife Biology DOI-NPS-National Park Service	Great Sand Dunes & Florissant Fossil Beds Zoological Survey 1/2/02 - 12/31/02	02355701 12276	\$40,659
Lavender,Amy E	Primary PI	Fish & Wildlife Biology DOI-BLM-Bureau of Land Management	Lynx Habitat Mapping Project Update FY 2002 9/15/01 - 11/1/02	02344301 12267	\$24,016
Myrick,Christopher A	Primary PI	Fish & Wildlife Biology USDA-USFS-Forest Research	Modeling the Effectiveness of Waterfall-Type Barriers to Upstream Movement of Brook Charr 10/1/01 - 9/30/02	02340801 12097	\$10,000
Savidge,Julie	Primary PI	Fish & Wildlife Biology DOI-NPS-National Park Service	Fire Patterns in the Ponderosa Pine/Upland Shrub System 8/15/01 - 9/30/05	02329001 12069	\$138,853
Schorr,Robert	Primary PI	Fish & Wildlife Biology DOI-BLM-Bureau of Land Management	Black-tailed Prairie Dog Surveys in Pueblo County 10/1/01 - 9/30/02	02350301 12286	\$10,013

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Proposals Submitted - 12

## Natural Resources - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Schorr,Robert	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Preble's Meadow Jumping Mouse Surveys in Elbert County, Colorado	7/5/01 - 6/30/02	02332201 11898	\$4,995
Siemers,Jeremy	Primary PI Fish & Wildlife Biology USDA-USFS-Forest Research	Arapaho-Roosevelt National Forest Management Indicator Species Evaluation	10/1/01 - 9/30/02	02344901 12205	\$21,017
Spackman,Susan	Primary PI Fish & Wildlife Biology USDA-USFS-Forest Research	Plant Species Evaluations	10/1/01 - 6/30/02	02359601 12325	\$130,141
Spackman,Susan	Primary PI Fish & Wildlife Biology DOI-BLM-Bureau of Land Management	Florence Rare Plant Inventory	7/11/01 - 5/1/02	02331001 11949	\$1,696
Spackman,Susan	Primary PI Fish & Wildlife Biology DOI-NPS-National Park Service	Florissant & Great Sand Dunes National Monuments Vascular Plant Inventories	8/1/01 - 12/31/02	02340401 12171	\$34,562
Stevens,Joseph E	Primary PI Fish & Wildlife Biology DOI-BLM-Bureau of Land Management	Data Development & Delivery	10/1/01 - 10/31/02	02345001 12204	\$10,472
Stevens,Joseph E	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Aquatic GIS Program Technician - Fiscal Year 2002	9/1/01 - 2/28/02	02341701 12199	\$20,750
Stevens,Joseph E	Primary PI Fish & Wildlife Biology DOI-NPS-National Park Service	Vegetation Classification & Mapping Assistance at Black Canyon & Curecanti	7/6/01 - 7/20/01	02323701 11945	\$2,248
Cheng,Antony S	Primary PI Forest Sciences USDA-Forest Service-Pacific NW Exp Statn	Enhancing the Integration of Diverse Perspectives on Conserving Natural Resource Values Across Multiple Landscape Scales	8/31/01 - 8/31/04	02331601 12093	\$22,000
Dean,Denis J	Primary PI Forest Sciences NSF - National Science Foundation	Development & Testing of a Probabilistic, Temporally Dynamic Geographic Information System	1/1/02 - 12/31/04	02350101 12282	\$891,752
Reich,Robin M	Primary PI Forest Sciences USDA-USFS-Forest Research	Status Assessment of the Three-toed Woodpecker	10/1/01 - 3/31/02	02349801 12336	\$13,201

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## Natural Resources - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Romme, William H	Primary PI Forest Sciences UMASS-University of Massachusetts	Dynamic Landscape Modeling in the San Juan & Uncompaghre National Forests, Colorado	10/1/01 - 9/30/03	02342001 12234	\$24,914
Baron, Jill	Primary PI Natural Resource Ecology Lab NSF - National Science Foundation	Workshop Proposal to Develop Collaborative Research Among Ukraine & United States Ecologists	3/1/02 - 2/28/03	02323901 11457	\$66,090
Binkley, Daniel E	Primary PI Natural Resource Ecology Lab National Parks & Conservation Assoc.	National Parks Vital Sign Project	2/25/00 - 6/30/02	02343401 12284	\$79,106
Ojima, Dennis Galvin, Kathleen	Primary PI Co-PI Natural Resource Ecology Lab Pennsylvania State University	Crop Impact Modeling & Assessment	9/1/01 - 6/30/04	02329101 12073	\$243,766
Parton, William J	Primary PI Natural Resource Ecology Lab University of Colorado	Crop Impact Modeling & Assessment	9/1/01 - 6/30/04	02329801 12074	\$70,000
Porazinska, Dorota Wall, Diana H	Primary PI Co-PI Natural Resource Ecology Lab National Geographic Society	In Search of Biota on the Antarctic Dry Valleys Glaciers	12/1/01 - 7/15/02	02327401 12017	\$10,000
Welker, Jeffrey M	Primary PI Natural Resource Ecology Lab University of Wyoming	Controls on Carbon Sequestration on Northern Mountain Rangelands	7/15/01 - 7/14/03	02327901 12026	\$89,901
Welker, Jeffrey M	Primary PI Natural Resource Ecology Lab DOE - US Department of Energy	Dual Effect of Long-Term Deeper Snow & Warmer Summer Temperatures on Artic Tundra N & Water Processes	5/1/02 - 4/30/05	02349901 12022	\$640,556
Welker, Jeffrey M	Primary PI Natural Resource Ecology Lab NSF - National Science Foundation	Collaborative Research: Winter C Flux in Arctic Ecosystems Under Changing Climate: Effects of Soil Carbon & Active...	9/1/01 - 4/30/03	02341101 12196	\$85,472
<b>Natural Resources Total:</b>					<b>\$8,718,577</b>

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Proposals Submitted - 14

## Natural Sciences - Proposals

Investigators/Collaborators		Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Bamburg,James R	Primary PI	Biochemistry & Molecular Bio HHS-NIH-Center for Scientific Review	Growth Cone Guidance via Modulation of Actin Dynamics	4/1/02 - 3/31/05	02329201 12054	\$170,543
Curthoys,Norman P Anderson,Oren P	Primary PI Co-PI	Biochemistry & Molecular Bio ** American Heart Association	Mitochondrial Glutaminase: A Novel Target for Stroke Therapy	1/1/02 - 12/31/03	02327701 12002	\$200,000
Luger,Karolin	Primary PI	Biochemistry & Molecular Bio HHS-NIH-Nat Inst of General Medical Sci	Inhibition of HIV Gene Transcription by Small Molecules	9/1/01 - 8/31/02	02330101 12031	\$72,500
Luger,Karolin	Primary PI	Biochemistry & Molecular Bio March of Dimes Birth Defects Foundation	Structure & Function of a Histone Variant that is Critically Involved in X-Inactivation	6/1/02 - 5/31/05	02361401 12329	\$237,442
Peersen,Olvé B	Primary PI	Biochemistry & Molecular Bio Searle Scholars Program	Structure, Dynamics, & Regulation of Higher Order Telomere Complexes	7/2/01 - 6/30/05	02362501 12292	\$240,000
Schenck,Craig C	Primary PI	Biochemistry & Molecular Bio NSF - National Science Foundation	Collaborative Research: Light-harvesting (LH1) Distance Constraints by EPR	1/1/02 - 12/31/05	02325201 11070	\$504,077
Medford,June I Beveridge,J Ross	Primary PI Co-PI	Biology ** NSF - National Science Foundation	Enhancement & Evaluation of a System for In Vivo Imaging of Gene Expression	12/15/01 - 12/14/03	02328301 11908	\$420,143
Medford,June I Alciatore,David Beveridge,J Ross	Primary PI Co-PI Co-PI	Biology ** NSF - National Science Foundation	Instrumentation for Producing in vivo Three-Dimensional Genomic-Scale Databases	1/2/02 - 1/1/05	02355801 12239	\$1,005,703
Reddy,Anireddy S N	Primary PI	Biology NSF - National Science Foundation	Functional Analysis of a Pollen-specific Calmodulin-binding Protein from Arabidopsis	2/1/02 - 1/31/05	02327101 12052	\$396,605
Reddy,Anireddy S N	Primary PI	Biology HHS-NIH-Center for Scientific Review	Genome-wide Characterization of Calmodulin-binding Proteins in Arabidopsis	6/1/02 - 5/31/07	02358201 12442	\$1,268,750
Wilson,Thomas G	Primary PI	Biology ** HHS-NIH-Center for Scientific Review	Juvenile Hormone Receptor in Flies & Mosquitoes	4/1/02 - 3/30/06	02362301 12406	\$857,234

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Proposals Submitted - 15

## Natural Sciences - Proposals

Investigators/Collaborators		Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Wright, William G	Primary PI	Biology NSF - National Science Foundation	Evolutionary Role of Neuromodulation in Associative Memory	1/1/02 - 12/31/05	02323801 11976	\$423,019
Barisas, B George	Primary PI	Chemistry NSF - National Science Foundation	Improved Apparatus for Time-resolved Phosphorescence Anisotropy & Fluorescence Depletion Anisotropy ...	1/1/20 - 12/31/06	02343801 12198	\$774,958
Bernstein, Elliot R	Primary PI	Chemistry Philip Morris, Incorporated	Radical Chemistry in Cigarette Smoke	3/1/02 - 2/28/05	02336901 12066	\$570,001
Chen, Eugene Y	Primary PI	Chemistry NSF - National Science Foundation	Functional & Stereoblock Polymers by Well-Defined Organometallic Catalysts	5/1/02 - 5/1/07	02330301 11999	\$597,362
Chen, Eugene Y	Primary PI	Chemistry Arnold & Mabel Beckman Foundation	Stereoblock Polar Polymers by Metallocene/Lewis Acid Catalysts	9/1/02 - 8/31/05	02359901 12355	\$240,000
Elliott, C Michael	Primary PI	Chemistry NSF - National Science Foundation	Electrochemically Active Polymers - Designing Compositional Structures & Electronic Properties	1/1/02 - 2/28/04	02353401 12347	\$518,589
Elliott, C Michael	Primary PI	Chemistry ** NSF - National Science Foundation	Purchase of Magnetochemical Materials Analysis Instrumentation	1/1/02 - 12/31/02	02324001 11952	\$429,998
Belfiore, Laurence A	Co-PI					
Dorhout, Peter K	Co-PI					
Meersmann, Thomas	Co-PI					
Rithner, Christopher D	Co-PI					
Finke, Richard G	Primary PI	Chemistry DOE - US Department of Energy	Transition-Metal Nanoclusters: Soluble Heterogeneous Catalysts	3/1/02 - 2/28/05	02348901 12310	\$537,377
Fisher, Ellen R	Primary PI	Chemistry NSF - National Science Foundation	Mechanistic Studies of Plasma Deposition & Etching for Integrated Circuit Materials	3/1/02 - 2/28/05	02340901 12143	\$497,338
Kennan, Alan J	Primary PI	Chemistry NSF - National Science Foundation	Design of Peptide-Based Molecular Recognition Motifs	4/1/02 - 3/31/07	02325901 12023	\$555,113

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Proposals Submitted - 16

## Natural Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Kennan, Alan J	Primary PI Research Corporation / Foundation	Chemistry New Molecular Probes from Designed Peptides	7/1/02 - 6/30/03	02344201 12242	\$75,000
Meersmann, Thomas	Primary PI NSF - National Science Foundation	Chemistry Development of Continuous-Flow Laser-Spin Polarized Xe-129 Nuclear Magnetic Resonance Spectroscopy in ...	4/1/02 - 3/31/07	02329501 12067	\$593,006
Rickey, Dawn	Primary PI NSF - National Science Foundation	Chemistry Fostering Understanding of Chemistry through Model-Observe-Reflect-Explain Metacognitive Instruction	8/15/02 - 8/15/05	02343501 12288	\$1,327,965
Rovis, Tomislav	Primary PI HHS-NIH-Center for Scientific Review	Chemistry Development of an Asymmetric Alkylative Desymmetrization of Meso Anhydrides	7/1/02 - 6/30/07	02357901 12374	\$1,323,699
Rovis, Tomislav	Primary PI NSF - National Science Foundation	Chemistry Development of Chiral Nucleophilic Carbenes for Use in Organic Synthesis	4/1/02 - 3/31/07	02326001 12027	\$547,253
Van Orden, Alan K	Primary PI Research Corporation / Foundation	Chemistry Nanometer Scale Photopatterning of Protein Nanoarrays	5/1/02 - 4/30/03	02344101 12190	\$75,000
Van Orden, Alan K	Primary PI Arnold & Mabel Beckman Foundation	Chemistry Single Molecule Studies of Semiconductor-Insulator Core-Shell Molecular Brushes	5/1/02 - 4/30/04	02357501 12422	\$240,000
Van Orden, Alan K	Primary PI NSF - National Science Foundation	Chemistry Structure, Dynamics, & Local Environments of Individual Proteins at Biomaterial Interfaces	5/1/02 - 4/30/07	02325701 12056	\$671,953
Ghosh, Sudipto	Primary PI NSF - National Science Foundation	Computer Science CAREER: Certification of Component-Based Software	8/1/02 - 7/31/07	02327601 11953	\$335,241
Deconinck, Bernard	Primary PI NSF - National Science Foundation	Mathematics Collaborative: FRG: Fully Nonlinear, Three-Dimensional Surface Water Waves in Arbitrary Depth	5/15/02 - 5/14/05	02355501 12335	\$48,710
Mueller, Jennifer L	Primary PI NSF - National Science Foundation	Mathematics Workshop in Electrical Impedance Tomography	6/1/02 - 5/31/03	02348401 12062	\$18,800

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Proposals Submitted - 17

## Natural Sciences - Proposals

Investigators/Collaborators		Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Tavener,Simon J Estep,Donald J	Primary PI Co-PI	Mathematics NSF - National Science Foundation	Accurate Computation of Finite-Inertia Particulate Flows	6/1/02 - 5/30/05	02355901 12328	\$269,361
Hochheimer,Hans D Dorhout,Peter K	Primary PI Collaborator	Physics ** NSF - National Science Foundation	High Pressure Study of Complex Electronic Materials Characterized by Strong Coupling between Charge, Spin, & ...	5/1/02 - 4/30/05	02331201 12092	\$682,657
Lee,Siu Au	Primary PI	Physics NSF - National Science Foundation	Optical Manipulation of Group III Atoms	9/1/02 - 8/31/05	02361501 12426	\$393,276
Patton,Carl E	Primary PI	Physics NSF - National Science Foundation	Colorado State University Component of Colorado School of Mines Materials Research Science & Engineering Centers ...	6/1/02 - 5/30/08	02348501 12316	\$600,358
Patton,Carl E	Primary PI	Physics DOC-NIST-Nat. Inst. Standards & Tech..	Precessional Dynamics in Magnetic Films	9/1/01 - 8/31/02	02318401 11905	\$99,229
Qian,Xianghong	Primary PI	Physics NSF - National Science Foundation	ADVANCE Fellows Award	5/1/02 - 4/30/05	02336201 12135	\$405,954
She,Chiaoyao Krueger,David A Williams,Bifford	Primary PI Co-PI Collaborator	Physics NSF - National Science Foundation	Collaborative Research: Studies of MLT Dynamics, Structure, & Variability Using the Weber Sodium Lidar & Other ...	1/1/02 - 1/1/05	02341201 12068	\$239,999
Stallones,Lorann	Primary PI	Psychology HHS-NIH-National Institutes of Health	Healthy People 2010 Community Implementation (Micro-Grant) Program	9/30/01 - 9/29/03	02336801 12165	\$739,211
Breidt,F.Jay	Primary PI	Statistics USDA-USFS-Rocky Mtn. Rsrch Station - UT	Nonparametric Model-Assisted Survey Estimation for Forest Inventory & Monitoring	10/1/01 - 10/1/04	02340201 12113	\$100,000
Breidt,F.Jay	Primary PI	Statistics US Department of Labor	Using American Community Survey Data to Estimate Local Area Unemployment Characteristics	8/15/01 - 5/15/02	02329701 12029	\$23,358

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Proposals Submitted - 18

**Natural Sciences - Proposals**

<b>Investigators/Collaborators</b>	<b>Department/Sponsor</b>	<b>Title</b>	<b>Project Start / End Dates</b>	<b>Key # / PASS #</b>	<b>Amount</b>	
Givens, Geof H	Primary PI	Statistics North Slope Borough (Alaska)	Completion of a Bowhead Aboriginal Whaling Management Procedure	9/15/01 - 6/30/02	02352501 12300	\$67,585
<b>Natural Sciences Total:</b>					<b>\$19,394,367</b>	

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Proposals Submitted - 19

## Vet. Medicine & Biomedical Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Dernell,William S	Primary PI Clinical Sciences Irish Wolfhound Club of America	Bisphosphonate Treatment for Osteosarcoma	9/15/01 - 9/14/02	02357601 12003	\$5,875
Dernell,William S	Primary PI Clinical Sciences HHS-NIH-National Institutes of Health	In Vivo Evaluation of a Silver Gel Active Antisepsis Device in an Animal Model	1/1/02 - 12/31/02	02331901 12058	\$33,568
Kawcak,Christopher E Mcilwraith,C Wayne	Primary PI Collaborator Clinical Sciences Grayson-Jockey Club Research Foundation	Effects of Early Exercise on Osteochondral Tissues	4/1/02 - 3/30/04	02359201 12317	\$70,831
Traub-Dargatz,Josie L Salman,M D	Primary PI Co-PI Clinical Sciences ** Grayson-Jockey Club Research Foundation	Development of a Rapid Diagnostic Test for Strangles in Horses	4/1/02 - 3/30/03	02361101 12323	\$18,139
Turner,Anthony Simon	Primary PI Clinical Sciences Orthovita, Inc.	Evaluation of Rhakoss for Anterior Lumbar Interbody Fusion: A Pilot Study in Sheep	11/1/01 - 10/31/02	02360001 12333	\$30,988
Turner,Anthony Simon	Primary PI Clinical Sciences Kerlan-Jobe Orthopaedic Clinic	Histologic & Gross Analysis of the Effect of a Coblation Created Defect versus Mechanically Created Defect on ...	9/1/01 - 8/31/02	02344801 12264	\$55,640
Turner,Anthony Simon	Primary PI Clinical Sciences Hospital for Special Surgery	Meniscal Allograft Transplantation in the Sheep Knee: Evaluation of Early Markers for Degenerative Change & ...	9/1/01 - 8/31/02	02343301 12265	\$39,743
Buchan,Roy M	Primary PI Environmental Health DOL-OSHA-Occup. Safety & Health Admin.	Occupational Health & Safety Consultation Program	10/1/01 - 9/30/02	02334201 12060	\$804,000
Hanneman,William H Andersen,Melvin E	Primary PI Collaborator Environmental Health ** EPA - Environmental Protection Agency	The Cellular & Molecular Basis of All or None Switching: A Novel Approach to Biologically Based Modeling & Risk ...	1/1/02 - 12/31/04	02355301 12123	\$730,215
Legare,Marie E	Primary PI Environmental Health HHS-NIH-Neurological Disorders & Stroke	Analysis of Genetic & Environmental Factors in Parkinson's Disease	4/1/02 - 3/31/04	02330701 10907	\$359,956
Nuckols,John R	Primary PI Environmental Health HHS-NIH-NCI-National Cancer Institute	Mapping Nitrate Hotspots Using Satellite Data	4/1/02 - 3/31/04	02334501 12104	\$51,971

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Proposals Submitted - 20

## Vet. Medicine & Biomedical Sciences - Proposals

Investigators/Collaborators		Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Pott,Wendy A Withrow,Stephen J Yang,Raymond S H	Primary PI Collaborator Collaborator	Environmental Health ** HHS-NIH-NCI-National Cancer Institute	Angiogenesis in Osteosarcoma: A Molecular Switch Model	6/1/02 - 5/31/07	02361001 11690	\$673,314
Reif,John S Bachand,Annette M	Primary PI Co-PI	Environmental Health HHS-NIH-Center for Scientific Review	Human Fecundity & Exposure to Disinfection Byproducts	10/1/02 - 9/30/05	02358901 12369	\$709,132
Salman,M D Hossner,Kim L Schmidt,Glenn R	Primary PI Co-PI Co-PI	Environmental Health ** HHS-FDA-Food & Drug Administration	Bovine Spongiform Encephalopathy Specified Risk Materials in Meat Products in the United States of America	10/1/01 - 9/30/02	02323601 11795	\$119,834
Salman,M D	Primary PI	Environmental Health USDA-APHIS-Animal Plant Health Insp Srvc	Support in the Design & Implementation of the National Scrapie Program	9/1/01 - 8/31/02	02349101 12287	\$30,010
Belisle,John T Shankar,Sandeep	Primary PI Co-PI	Microbiology HHS-NIH-Center for Scientific Review	Quorum Sensing in Mycobacterium Tuberculosis	7/1/02 - 6/30/07	02359101 12175	\$1,617,489
Brennan,Patrick Joseph Spencer,John S	Primary PI Co-PI	Microbiology HHS-NIH-NIAID-Allergy & Infect Diseases	Leprosy Research Support & Maintenance of an Armadillo Colony Post Genome Era. Part I: Leprosy Research Support	6/30/02 - 6/29/09	02356001 12440	\$4,334,125
Cusick,John K	Primary PI	Microbiology Cystic Fibrosis Foundation	Homoserine Lactone Synthesis in Pseudomonas aeruginosa	5/1/02 - 4/30/04	02344001 12243	\$74,100
Klein,Donald A Berardino-Lang,Gail M	Primary PI Collaborator	Microbiology DOD-ARMY-Corps of Engineers	Fungi & Maintenance of Fungi on Department of Defense Sites	5/1/02 - 4/30/05	02356901 12359	\$282,710
Mneil,Michael R	Primary PI	Microbiology University of Tennessee	Development of Rhamnose Inhibitors as New Tuberculosis Drugs	4/1/02 - 3/31/04	02335801 12118	\$80,001
Orme,Ian M Belisle,John T Shankar,Sandeep Turner,Joanne	Primary PI Co-PI Collaborator Collaborator	Microbiology HHS-NIH-Center for Scientific Review	Latent Tuberculosis in the Mouse Model	6/1/02 - 5/31/07	02328601 12000	\$1,812,500

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## Vet. Medicine & Biomedical Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Orme,Ian M	Primary PI HHS-NIH-Center for Scientific Review	Microbiology Role of Toll-like Receptors in Pulmonary Tuberculosis	1/1/02 - 12/31/04	02328701 11956	\$121,870
Turner,Joanne	Primary PI HHS-NIH-National Institutes of Health	Microbiology CD8 T Cells & Immunity to Tuberculosis in Old Mice	7/1/02 - 6/30/06	02361201 11946	\$1,799,330
Baker,Dale C	Primary PI Hemophilia Association of New York	Pathology Correction of Hepatic $\gamma$ -glutamyl carboxylase Deficiency in a Sheep Model of Hereditary Carboxylation Deficiency	1/1/02 - 12/31/02	02334601 12138	\$86,159
Baker,Dale C Johnson,Jeremy S	Primary PI Co-PI HHS-NIH-National Institutes of Health	Pathology Defective Gamma-Carboxylation in Rambouillet Sheep	1/1/02 - 12/31/04	02332901 11258	\$141,210
Barillas-Mury,Carolina V	Primary PI HHS-NIH-Center for Scientific Review	Pathology Cell Biology of Plasmodium vivax & Plasmodium falciparum ookinete Invasion of Midgut Epithelial Cells in ...	4/1/02 - 3/31/05	02327301 11259	\$119,660
Barillas-Mury,Carolina V	Primary PI PEW Charitable Trusts	Pathology Cell Biology of Plasmodium vivax & Plasmodium falciparum ookinete Invasion of Midgut Epithelial Cells in ...	7/1/02 - 6/30/04	02356801 12353	\$85,000
Barillas-Mury,Carolina V	Primary PI HHS-NIH-Center for Scientific Review	Pathology Signal Transduction Pathways Mediating Mosquito Responses to Malaria Infection	7/1/02 - 6/30/07	02357001 12295	\$1,782,911
Vandewoude,Sue Hoover,Edward A	Primary PI Co-PI HHS-NIH-National Institutes of Health	Pathology Mechanisms of Feline Lentivirus Control & Interference	4/1/02 - 3/31/06	02343601 12185	\$1,281,250
Bowen,Richard A	Primary PI Merial, Ltd.	Physiology Efficacy of a Vectored West Nile Virus Vaccine Against an Experimental Mosquito Challenge in Horses	9/1/01 - 6/30/02	02336101 12158	\$81,714
Bowen,Richard A	Primary PI Merial, Ltd.	Physiology Evaluation of a West Nile Virus Vaccine in Crows	9/1/01 - 12/1/01	02329401 12072	\$20,207

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Proposals Submitted - 22

## Vet. Medicine & Biomedical Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Nett,Torrance M	Primary PI Physiology Gonex, Inc	Cytotoxic GnRH Derivatives	4/1/02 - 3/31/04	02334001 11992	\$288,470
Roess,Deborah A	Primary PI Physiology HHS-NIH-Center for Scientific Review	Membrane Events Following Hormone Binding to LH Receptors	4/1/02 - 3/31/06	02323501 11832	\$844,031
Roess,Deborah A	Primary PI Physiology NSF - National Science Foundation	Organization of LH Receptors During Signaling	3/1/02 - 2/28/06	02324101 11689	\$546,007
Durham,James S	Primary PI Radiological Health Sciences Landauer Incorporated	Development of Extremity Dosimeters Based on Optically Stimulated Luminescence Readout of alpha-Al(2)O(3):...	7/1/01 - 6/30/03	02319601 11862	\$122,324
Okayasu,Ryuichi	Primary PI Radiological Health Sciences HHS-NIH-NCI-National Cancer Institute	DNA Double Strand Break Repair in Tobacco Carcinogenesis	4/1/02 - 3/31/04	02336701 12101	\$145,000
Okayasu,Ryuichi	Primary PI Radiological Health Sciences National Inst. of Radiological Sciences	Analyses of Chromosome Aberrations in irs-20 cells After Exposure to Arsenite & Radiation	8/1/01 - 7/31/02	02325001 11581	\$59,340
Ullrich,Robert L	Primary PI Radiological Health Sciences Queensland Institute of Medical Research	Role of Missense Mutant Atm in Radiation-Induced Tumorigenesis	7/1/02 - 6/30/05	02360201 12362	\$209,018
Whicker,F Ward	Primary PI Radiological Health Sciences Univ. California-Los Alamos National Lab	Vertical Migration of Long-Lived Radionuclides in Surface Soils: Integration of Surface Processes into ...	7/1/01 - 9/30/01	02331501 11888	\$70,284
<b>Vet. Medicine &amp; Biomedical Sciences Total:</b>					<b>\$19,737,926</b>

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**Other - Proposals**

<b>Investigators/Collaborators</b>	<b>Department/Sponsor</b>	<b>Title</b>	<b>Project Start / End Dates</b>	<b>Key # / PASS #</b>	<b>Amount</b>	
Ward,Robert C	Primary PI	Colo Water Resources Res Inst DOI-USGS-Geological Survey	Use of Low-Cost Data to Simulate Fractured-Aquifer Watersheds for Management of Water Quality & Quantity	9/1/01 - 9/1/03	02352701 12053	\$120,000
Peebles,David V	Primary PI	Cooperative Extension Philip Morris Management Corp.	Identity-Preserved Direct-Marketing Producer Workshop	12/1/01 - 11/30/02	02348601 12061	\$14,500
Zink,Richard T Davidson,Robert D	Primary PI Co-PI	San Luis Valley Research Ctr USDA-CSREES-Coop State Rsrch Edu & Ext	Methods for Controlling Powdery Scab on Potatoes	11/1/01 - 10/31/02	02359001 12375	\$5,000
Frank,Anthony A	Primary PI	V P Research & Info Technologv Colorado Institute of Technology	Start-up Costs for New Information Science & Technology Faculty	9/1/01 - 7/31/02	02332001 12087	\$270,000
<b>Other Total:</b>					<b>\$409,500</b>	

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## **Section V**

**Awards Received  
July - September 2001**

## Agricultural Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Loomis,John B	Primary PI Agric & Resource Economics USDA-Forest Service-Pacific NW Exp Statn	Understanding Issues Associated with Recreation & Tourism on Wildlands of the Pacific Northwest	9/28/01 - 9/30/02	8754 12025	\$15,000
Spencer,William P	Primary PI Agric & Resource Economics USDA-Foreign Agricultural Service	Faculty Exchange Program	4/20/97 - 12/31/01	2099	\$32,518
Belk,Keith Scanga,John A Smith,Gary C	Primary PI Co-PI Co-PI Animal Sciences Samuel Roberts Noble Foundation	Cattle Feeding & Carcass Data Collection Trials	5/2/01 - 5/1/04	5429 11653	\$3,928
Belk,Keith Scanga,John A Smith,Gary C	Primary PI Co-PI Co-PI Animal Sciences Samuel Roberts Noble Foundation	Cattle Feeding & Carcass Data Collection Trials	5/2/01 - 5/1/04	5436 11653	\$4,148
Belk,Keith Scanga,John A Smith,Gary C	Primary PI Co-PI Co-PI Animal Sciences Samuel Roberts Noble Foundation	Cattle Feeding & Carcass Data Collection Trials	5/2/01 - 5/1/04	5437 11653	\$15,672
Engle,Terry E	Primary PI Animal Sciences Roche	Effects of Vitamin C Supplementation on Plasma Vitamin Kinetics	7/1/01 - 6/30/02	8211 12315	\$12,601
Engle,Terry E	Primary PI Animal Sciences Zinpro Corporation	Effects of Zinc Source & Implant Strategy on Feedlot Performance, Immune Response, & Carcass Characteristics...	8/1/01 - 12/1/02	8255	\$65,017
Golden,Bruce L	Primary PI Animal Sciences Cornell University	National Beef Cattle Genetic Evaluation Consortium	6/15/01 - 6/14/02	1374 11022	\$47,500
Golden,Bruce L	Primary PI Animal Sciences USDA-ARS-Agricultural Research Service	Determine the Genetic Similarity Between Two Separate Lines of Hereford Cattle	8/18/00 - 7/31/03	2061 10071	\$12,500
Scanga,John A Belk,Keith Smith,Gary C	Primary PI Co-PI Co-PI Animal Sciences American Meat Science Association	Pork Chain Quality Audit--2001	9/1/01 - 10/31/02	5135 10816	\$170,000
Schmidt,Glenn R	Primary PI Animal Sciences American Sheep Industry Association	Lamb Product Development	8/1/01 - 7/31/02	2207 11278	\$40,000
Sofos,John N Belk,Keith Scanga,John A	Primary PI Co-PI Co-PI Animal Sciences PRAXAIR,Inc.	The Potential of Using Ozone as a Disinfectant in Beef Slaughtering/Dressing &/or Fabrication	7/1/01 - 3/30/02	8254 996	\$29,900

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Awards Received - 1

Awards Received includes all new and incremental funding toward a new or existing project.

## Agricultural Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Holtzer,Thomas O	Primary PI Bioagricultural Sci & Pest Mgmt Colorado Department of Agriculture	GIS/GPS & Database Services for Noxious Weed Management	7/1/01 - 6/30/02	0524	\$50,308
Hufbauer,Ruth A Norton,Andrew P	Primary PI Co-PI Bioagricultural Sci & Pest Mgmt USDA-CSREES-Coop State Rsrch Edu & Ext	The Genetic & Environmental Basis for Host-plant Specificity in a Biocontrol Agent of Toadflaxes	9/1/01 - 8/31/03	1500 10886	\$160,516
Mcdonald,Sandra K	Primary PI Bioagricultural Sci & Pest Mgmt University of California at Davis	Minor Crop Pesticide Development Mini Center	4/27/00 - 4/26/02	2214	\$1,950
Mcdonald,Sandra K	Primary PI Bioagricultural Sci & Pest Mgmt University of California at Davis	Minor Crop Pesticide Development Mini Center	4/27/00 - 4/26/02	2214	\$45,550
Nissen,Scott J	Primary PI Bioagricultural Sci & Pest Mgmt Potato Administration of Colorado	Continued Evaluation of New Herbicides for Weed Control in Potatoes	7/1/00 - 6/30/02	8329	\$4,000
Nissen,Scott J	Primary PI Bioagricultural Sci & Pest Mgmt Potato Administration of Colorado	Continued Evaluation of Authority & Visor for Potato Weed Control	7/1/97 - 6/30/02	8337	\$4,000
Nissen,Scott J	Primary PI Bioagricultural Sci & Pest Mgmt Potato Administration of Colorado	Comparison of Potato Vine Kill with Diquat, Desiccate II, Superquick & Liberty	7/1/99 - 6/30/02	8340	\$3,000
Nissen,Scott J	Primary PI Bioagricultural Sci & Pest Mgmt Potato Administration of Colorado	Vertical Distribution of Dual Magnum, Outlook, Sencor & Matrix in Soil Based on the Amount of Water...	7/1/00 - 6/30/02	8344	\$8,000
Schwartz,Howard F	Primary PI Bioagricultural Sci & Pest Mgmt Rutgers - State University of New Jersey	Suppression of Alternaria Diseases of Potato-Biochemical Biopesticide Label Expansion	6/1/01 - 5/31/02	2222	\$5,080
Schwartz,Howard F Hill,Joseph P	Primary PI Co-PI Bioagricultural Sci & Pest Mgmt Potato Administration of Colorado	Studies on Occurrence Control of Early & Late Blight Diseases of Potato in Colorado	7/1/97 - 6/30/02	8335	\$5,250
Caspari,Horst W	Primary PI Horticulture & Landscape Arch Colorado Department of Agriculture	Viticulture & Enology Programs for the Colorado Wine Industry	8/1/01 - 2/28/02	0496	\$90,000
Stushnoff,Cecil	Primary PI Horticulture & Landscape Arch USDA-ARS-Agricultural Research Service	Assessment of Diversity in the Core Collection of Apple Germplasm for Antioxidant Radical Scavenging Potential	9/1/01 - 7/31/03	2095 11366	\$14,625
Stushnoff,Cecil	Primary PI Horticulture & Landscape Arch Potato Administration of Colorado	Application of FTIR Spectroscopy to Identify Potato Cultivars	7/1/97 - 6/30/02	8324	\$14,000

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Awards Received includes all new and incremental funding toward a new or existing project.

## Agricultural Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Vivanco, Jorge M	Primary PI Horticulture & Landscape Arch Potato Administration of Colorado	Characterization of Antifungal Proteins from Phytophthora Infestans	7/1/01 - 6/30/02	8343	\$5,000
Barbarick, Kenneth A	Primary PI Soil & Cron Sciences City of Littleton	Land Application of Sewage Biosolids	1/1/02 - 12/31/02	5127	\$70,114
Cipra, Jan E Flynn, Robert L Kelly, Eugene F	Primary PI Co-PI Co-PI Soil & Cron Sciences DOI-NPS-National Park Service	Inventory & Monitoring Natural Resources Status & Trends in the National Park System: Soil Resources Inventory	6/1/00 - 5/13/04	2862 10097	\$55,000
Haley, Scott D	Primary PI Soil & Cron Sciences Colorado Wheat Research Foundation, Inc.	Purpose of Developing, Propagating, Producing & Distributing Improved Wheat Cultivars	7/1/00 - 12/31/05	5141 10484	\$38,658
Kelly, Eugene F	Primary PI Soil & Cron Sciences DOI-BLM-Bureau of Land Management	Utilization of Remote Sensing Technologies: California Desert Predictive Modeling Project	1/1/02 - 1/30/03	1765 12076	\$12,370
Kelly, Eugene F	Primary PI Soil & Cron Sciences DOI-BLM-Bureau of Land Management	Utilization of Remote Sensing Technologies: California Desert Predictive Modeling Project	1/1/02 - 1/30/03	1765 12076	\$45,000
Loeffler, Timothy M	Primary PI Soil & Cron Sciences USDA-ARS-Agricultural Research Service	Evaluation of Seed Longevity of Germplasm Placed in Long-Term Storage	7/14/00 - 6/30/05	2034	\$15,000
Peterson, Gary A	Primary PI Soil & Cron Sciences USDA-ARS-Agricultural Research Service	Dryland Agroecosystems	9/29/98 - 5/31/03	2044	\$20,000
Quick, James S	Primary PI Soil & Cron Sciences Colorado Wheat Research Foundation, Inc.	Developing, Propagating, Producing, & Distributing Improved Wheat Cultivars Developed at CSU	7/1/00 - 12/31/05	5140 10483	\$31,629
Waibel, Gilbert P	Primary PI Soil & Cron Sciences Colorado Seed Growers Association	Colorado Seed Growers	7/1/98 - 6/30/02	5626	\$170,000
Waskom, Reagan M	Primary PI Soil & Cron Sciences Colorado Department of Agriculture	Training & Education for Agricultural Chemicals & Groundwater	7/1/01 - 6/30/02	0518	\$125,600
Westfall, Dwayne G	Primary PI Soil & Cron Sciences USDA-ARS-Agricultural Research Service	Precision Farming to Protect Water Quality & Conserve Resources	9/21/01 - 8/31/06	2088 12289	\$88,100
Westfall, Dwayne G	Primary PI Soil & Cron Sciences USDA-ARS-Agricultural Research Service	Precision Farming to Protect Water Quality & Conserve Resources	9/21/01 - 8/31/06	2088 12289	\$86,060
<b>Agricultural Sciences Total:</b>					<b>\$1,617,594</b>

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Awards Received includes all new and incremental funding toward a new or existing project.

## Applied Human Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Asmus, Cheryl L	Primary PI	Dean Of Applied Human Sciences CHP+ - Child Health Plan Plus	CHP+ Grants Program & Colorado State University Cooperative Extension	11/6/00 - 12/31/01	0059 2730	\$3,200
Mckenna, Judy E	Primary PI	Design And Merchandising National Endowment for Financial Educati	The High School Financial Planning Program on WEB CT	9/7/00 - 12/31/01	5214 2582	\$15,000
Anderson, Jennifer E.L	Primary PI	Food Science & Human Nutrition Colorado Department of Human Service	Nutrition Education Plan (Network Portion)	10/1/00 - 9/30/01	0018	\$17,000
Campfield, L. Arthur Smith, Françoise	Primary PI Co-PI	Food Science & Human Nutrition HHS-NIH-Nat. Ctr. for Research Resources	Shaping Health Behaviors through Science Enrichment	9/30/00 - 8/31/03	7865 10543	\$317,213
Anderson, Jennifer E.L Auld, Garry W Miller, Jeffrey P	Collaborator Collaborator Collaborator					
Kendall, Patricia A	Primary PI	Food Science & Human Nutrition USDA-CSREES-Coop State Rsrch Edu & Ext	Food Safety for the Immune- Suppressed/Compromised: A Multimedia Approach	9/15/01 - 9/30/04	1410 11604	\$588,049
Wolff, Birgit H	Primary PI	Mfg Tech & Constr Mgmt City of Fort Collins	OBDDII Training Material	7/5/01 - 3/31/02	5113 11926	\$10,299
Wolff, Birgit H	Primary PI	Mfg Tech & Constr Mgmt Maryland Department of the Environment	State of Maryland - Develop Training CD	7/1/01 - 5/31/02	5131 11631	\$29,000
Davies, Patricia	Primary PI	Occupational Therapv HHS-NIH-Cntr Med Rehabilitation Research	Cognitive Event-Related Potentials & Brain Maturation	8/10/98 - 5/31/02	7855 2484	\$83,596
Hanzlik, Jodie R	Primary PI	Occupational Therapv CCHE-Commission on Higher Education	Occupational Therapy Program: Quality of the Educational Experience	7/1/01 - 6/30/06	0185 10509	\$367,451
Sample, Pat L	Primary PI	Occupational Therapv Colorado Dept Public Health & Environ	Traumatic Brain Injury Linkage System Feasibility Study Dissemination	9/1/01 - 8/31/02	0529 11997	\$71,000
Sample, Pat L	Primary PI	Occupational Therapv US Department of Education	The Heads Up Project: A Model Program for Children with Acquired Brain Injury	9/1/01 - 8/31/05	4225 10660	\$157,496
Cobb, R Brian	Primary PI	School Of Education DOI-NPS-National Park Service	An Evaluation of Heart of the Rockies Education Program	6/1/01 - 10/31/01	1858 12133	\$10,500
Cobb, R Brian	Primary PI	School Of Education US Department of Education	Synthesizing Secondary School Effects (Project S3E)	10/1/01 - 9/30/04	4200 11381	\$600,000

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## Applied Human Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Cobb,R Brian	Primary PI	School Of Education Colorado Institute of Technology	Colorado Institute of Technology Evaluation 7/1/01 - 6/30/02	5119 11105	\$11,242
Ginsberg,Richard Geary,Edward E	Primary PI Co-PI	School Of Education NSF - National Science Foundation	Northern Colorado Community College/University Rural Teacher Preparation Initiative 7/1/01 - 6/30/04	3209 2338	\$300,083
Gloeckner,Gene	Primary PI	School Of Education MPR Associates, Inc	Teacher Preparation, Career & Technical Education 7/16/01 - 7/15/02	4007 11407	\$15,000
Lehmann,Jean P Davies,Timothy G	Primary PI Co-PI	School Of Education US Department of Education	Exceeding Expectations: Model Demonstration Project 9/1/01 - 8/31/05	4228 10645	\$157,500
Villarreal,Ramon Hiatt,Dana Sims	Primary PI Co-PI	School Of Education DE-Civil Rights Training & Advisory Serv	Equity Assistance Center Grant 7/1/99 - 6/30/02	4215 991543	\$611,584
Yohon,Teresa I	Primary PI	School Of Education DE-Preparing Tomorrows Teachers	Colorado Technology in Teacher Education Consortium 6/1/00 - 5/31/03	4222 1385	\$392,701
Granger,Ben P Pope,Ellie T Tungate,Susan	Primary PI Collaborator Collaborator	Social Work Colorado Department of Human Service	Colorado Collaborative Partnership 2002 7/1/01 - 6/30/02	0523 11524	\$219,991
Schatz,Mona Struhsaker	Primary PI	Social Work University of Colorado	Tobacco Use by Foster Care Youth & Professional Responses 7/1/01 - 12/31/02	0528 10823	\$69,940
<b>Applied Human Sciences Total:</b>					<b>\$4,047,845</b>

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Awards Received includes all new and incremental funding toward a new or existing project.

**Business - Awards**

Investigators/Collaborators		Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Francis,G James	Primary PI	Inst For Transportation Mgt	Program Income for 1037- Workshop Fees	2/1/99 -	9903	\$2,515
Hall,Ronald C	Co-PI	DOT-Federal Highway Administration		2/1/04	771	
				<b>Business Total:</b>		<b>\$2,515</b>

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\*\*Inter-departmental Project

Awards Received - 6

Awards Received includes all new and incremental funding toward a new or existing project.

## Engineering - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Cotton, William R	Primary PI Atmospheric Science American Meteorological Society	AMS Graduate Fellowship for 2001/2002 for Tracy Depue	8/15/01 - 8/14/02	5122 981004	\$15,000
Cotton, William R	Primary PI Atmospheric Science American Meteorological Society	AMS Graduate Fellowship for 2001/2002 for Russell Chibe	8/15/01 - 8/14/02	5123 981004	\$15,000
Denning, A Scott	Primary PI Atmospheric Science NASA-Goddard	Spatial Integration of Regional Carbon Balance in Amazonia	7/1/98 - 12/31/01	1987 1664	\$39,208
Johnson, Richard H	Primary PI Atmospheric Science American Meteorological Society	AMS Graduate Fellowship for 2001/2002 for Russ Schumacker	8/15/01 - 8/14/02	5091 981004	\$15,000
Kummerow, Christian D Austin, Richard T	Primary PI Co-PI Atmospheric Science NASA - Natl Aeronautics & Space Admin.	The Extension of the TRMM Microwave Rainfall & Vertical Structure Algorithm to Other Radiometers	8/15/01 - 8/14/04	1942 2702	\$120,000
Kummerow, Christian D Austin, Richard T	Primary PI Co-PI Atmospheric Science NASA - Natl Aeronautics & Space Admin.	The Extension of the TRMM Microwave Rainfall & Vertical Structure Algorithm to Other Radiometers	8/15/01 - 8/14/04	1942 2702	\$43,617
Kummerow, Christian D Austin, Richard T	Primary PI Co-PI Atmospheric Science NASA - Natl Aeronautics & Space Admin.	The Extension of the TRMM Microwave Rainfall & Vertical Structure Algorithm to Other Radiometers	8/15/01 - 8/14/04	1942 2702	\$150,000
Montgomery, Michael T	Primary PI Atmospheric Science NASA - Natl Aeronautics & Space Admin.	Energy & Water Cycles within Hurricanes Determined from High-Resolution Simulations	8/15/01 - 8/14/04	1945 11600	\$44,999
Montgomery, Michael T	Primary PI Atmospheric Science American Meteorological Society	AMS Graduate Fellowship for 2001/2002 for Andrea Saunders	8/16/01 - 8/15/02	5000 981004	\$15,000
Pielke, Roger A	Primary PI Atmospheric Science NASA-Goddard	The Response of the North American Monsoon to Boundary & Regional Forcing Mechanisms as Simulated by ClimRAMS	9/1/00 - 8/31/03	1905 1653	\$22,000
Pielke, Roger A	Primary PI Atmospheric Science DOI-USGS-Research and Data Acquisition	Use of Mesoscale Climate Models to Assess Air Quality	7/1/99 - 6/30/02	2881 992430	\$40,420
Randall, David A Denning, A Scott	Primary PI Co-PI Atmospheric Science University of California at Berkeley	Incorporating New EOS Data Products into Models to Improve Estimates of Biogeochemical Processes	5/1/00 - 4/30/02	2704 484	\$66,000
Randall, David A	Primary PI Atmospheric Science NSF-GEO-Geosciences	Convective Cloud Systems in Climate Models	10/1/98 - 9/30/03	3554 980396	\$219,176

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## Engineering - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Randall,David A Ringler,Todd D Schubert,Wayne H	Primary PI Collaborator Collaborator	Atmospheric Science DOE - US Department of Energy	A Geodesic Climate Model with Quasi- Lagrangian Vertical Coordinates	8/1/01 - 7/31/06	3816 11227	\$802,250
Rutledge,Steven A	Primary PI	Atmospheric Science NASA-Goddard	Lightning & Radar Observations from Ground- Based & Spaceborne Platforms: Applications for Tropical Rainfall...	9/1/99 - 8/31/02	1900 991396	\$22,000
Stephens,Graeme L	Primary PI	Atmospheric Science NASA - Natl Aeronautics & Space Admin.	Validation & Enhancement of AMSR-E Cloud & Precipitation Products	9/1/01 - 8/31/04	1939 2445	\$56,819
Stephens,Graeme L	Primary PI	Atmospheric Science NASA - Natl Aeronautics & Space Admin.	Algorithm & Instrument Support Activities for PICASSO-CENA	5/17/99 - 5/16/02	1997 990385	\$53,000
Batt,Brian C	Primary PI	Chemical & Biores Engineering CCHE-Commission on Higher Education	The Colorado Bioprocessing Center	7/1/01 - 6/30/02	0184	\$261,786
Reardon,Kenneth F	Primary PI	Chemical & Biores Engineering Camp Dresser McKee	Fiber Optic Biosensors for Containment Monitoring	3/16/01 - 2/28/04	2642 11629	\$111,000
Sale,Thomas C	Primary PI	Chemical & Biores Engineering DOD - US Department of Defense	Sequential Electrolytic Degradation of Energetic Compounds in Groundwater	7/1/01 - 6/30/02	2348 10963	\$109,626
Wickramasinghe,Ranil	Primary PI	Chemical & Biores Engineering NSF - Engineering Grant	CAREER: Virus Clearance by Flocculation during Bioreactor Harvesting	6/1/00 - 5/31/04	3093	\$75,000
Adams,Christopher R	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Applied Research in Support of Implementation of National Weather Service's Advanced Hydrologic Prediction	1/1/00 - 6/30/02	1249 1332	\$65,000
Collett,Jeffrey L. Jr Kreidenweis-Dandy,Soni	Primary PI Co-PI	CIRA DOI-NPS-National Park Service	Field Investigation of Smoke Plumes: Aerosol Characterization & Testing of IMPROVE Assumptions	8/1/01 - 7/31/02	1869 12156	\$250,000
Connell,Bernadette H	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Development of a Virtual Laboratory Web Server for International Satellite Meteorology Training	7/1/01 - 6/30/06	1141 11801	\$35,500
Cotton,William R	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Examination of the Linkages between the Northwest Mexican Monsoon & Great Plains Precipitation	8/30/01 - 6/30/06	1138 943	\$85,000

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Awards Received - 8

## Engineering - Awards

Investigators/Collaborators		Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Denning,A Scott	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Impact of Interactive Vegetation on Predictions of North American Monsoons	7/1/01 - 6/30/06	1136 11411	\$73,700
Denning,A Scott	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Monitoring & Modeling Isotopic Exchange between the Atmosphere & the Terrestrial Biosphere	7/1/01 - 6/30/06	1142 606	\$65,000
Fox,Douglas G	Primary PI	CIRA DOI-NPS-National Park Service	Assistance for Visibility Data Analysis & Image Display Techniques	9/1/01 - 8/31/02	1756 11473	\$795,032
Fox,Douglas G	Primary PI	CIRA DOI-NPS-National Park Service	Fire Effects on Regional Air Quality Including Visibility	10/1/01 - 9/30/03	1875 12166	\$176,362
Fox,Douglas G	Primary PI	CIRA Western Governors Association	Western Regional Air Partnership Web Based Air Quality Data Integration, Analysis & Delivery System	8/1/00 - 7/31/02	5090 1713	\$141,849
Johnson,Richard H Schubert,Wayne H	Primary PI Co-PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Coupling between Monsoon Convection & Subtropical Highs in the PACS Region on Subseasonal to Interannual Time Scales	7/1/01 - 6/30/06	1148 10914	\$57,700
Kreidenweis-Dandy,Soni	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Role of Stratocumulus Clouds in Modifying Pollution Plumes Transported to North American Continent	7/1/01 - 6/30/06	1150 10545	\$78,200
Kreidenweis-Dandy,Soni Collett,Jeffrey L. Jr	Primary PI Co-PI	CIRA DOI-NPS-National Park Service	Analyses of Data from the BRAVO Study	9/1/00 - 8/31/02	1755 2337	\$320,000
Matsumoto,Clifford R	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	CIRA Activities & Participation in National Geophysical Data Center Data Repository, Processing & Management	10/1/01 - 6/30/06	1132 11106	\$44,806
Pielke,Roger A Liston,Glen E Mckee,Thomas B	Primary PI Co-PI Co-PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	The Response of North American Monsoon to Boundary & Regional Forcing	7/1/01 - 6/30/06	1133 993	\$67,500
Pielke,Roger A Doesken,Nolan J	Primary PI Co-PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	A Comparison of Rooftop & Standard Ground- based Temperature Measurements	8/1/01 - 6/30/06	1145 12071	\$23,000
Randall,David A Ringler,Todd D	Primary PI Co-PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Interactions of the Monsoons & Anticyclones in the Coupled Atmosphere-Ocean System	7/1/01 - 6/30/06	1131 10850	\$43,100

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## Engineering - Awards

Investigators/Collaborators		Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Schubert, Wayne H	Primary PI	CIRA UCAR-NCAR-COMET Atmospheric Tech. Divis.	Development of a Forward Model for Hurricane Initialization	7/1/01 - 6/30/02	3436 10923	\$22,001
Stephens, Graeme L Denning, A Scott Engelen, Richard J	Primary PI Co-PI Co-PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Impact Assessment of Measurements of CO2 from Space, Including CrIS & HIRS/(A)MSU	7/1/01 - 6/30/06	1146 11681	\$95,541
Vonderhaar, Thomas H	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Funds for the Cooperative Institute for Research	7/1/01 - 6/30/06	1130 10695	\$20,500
Vonderhaar, Thomas H	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Funds for the Cooperative Institute for Research	7/1/01 - 6/30/06	1130 10695	\$205,000
Vonderhaar, Thomas H	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Developing a Mesoscale Observing Network over the North Atlantic Continent & Adjacent Ocean Areas to...	7/1/01 - 6/30/06	1134 1084	\$35,494
Vonderhaar, Thomas H	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Enhancement of Satellite Data Processing & Analysis Capabilities in Central America	7/1/01 - 6/30/06	1135 1445	\$65,600
Vonderhaar, Thomas H Frisch, Alfred S	Primary PI Co-PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Air-Sea Interaction Remote Sensing Processes	7/1/01 - 6/30/06	1137	\$28,251
Vonderhaar, Thomas H Eis, Kenneth E	Primary PI Co-PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Activities & Participation in DMSP Satellite Data Processing & Analysis	7/1/01 - 6/30/06	1139	\$41,161
Vonderhaar, Thomas H Eis, Kenneth E	Primary PI Co-PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Activities & Participation in DMSP Satellite Data Processing & Analysis	7/1/01 - 6/30/06	1139	\$41,122
Vonderhaar, Thomas H Purdum, James F.W	Primary PI Co-PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	U.S. Weather Research Program Joint Grants Program Severe Weather Research	7/1/01 - 6/30/06	1140	\$200,000
Vonderhaar, Thomas H	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Postdoctoral Program - National Environmental Satellite, Data, & Information Service	7/1/01 - 6/30/06	1143 12151	\$1,338,200
Vonderhaar, Thomas H	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Environmental Applications Research Project	7/1/01 - 6/30/06	1144 12144	\$2,493,134
Vonderhaar, Thomas H	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Advanced Environmental Satellite Research Support	8/1/01 - 6/30/06	1147 12014	\$223,034
Vonderhaar, Thomas H	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Enhanced Communications at CIRA for the Development of Real-time Evaluation of Advanced Microwave Sounder ...	7/1/01 - 6/30/06	1149 11326	\$50,000

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## Engineering - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Vonderhaar, Thomas H	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	International Satellite Cloud Climatology Project Sector Processing & Analysis	7/1/01 - 6/30/06	1151	\$192,000
Vonderhaar, Thomas H	Primary PI	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	Satellite Data & Analysis Equipment & Support for Research Activities	7/1/01 - 6/30/06	1152	\$75,000
Bledsoe, Brian Anderson, Russell	Primary PI Co-PI	Civil Engineering DOI-Bureau of Reclamation	Geomorphic Assessment of Fisheries Enhancement Features on the Big Sandy River, Wyoming	8/28/01 - 12/31/02	1722 11853	\$19,297
Bledsoe, Brian Watson, Chester C	Primary PI Co-PI	Civil Engineering Three Forks Ranch Corporation	Monitoring of the Little Snake River & Tributaries	7/24/00 - 12/31/05	6123 2654	\$35,466
Carlson, Kenneth H	Primary PI	Civil Engineering USDA-CSREES-Coop State Rsrch Edu & Ext	Evaluation of Enhanced Bank Stabilization Structures for Reducing Nutrient Contamination	9/1/01 - 8/31/04	1480 10619	\$275,000
Coulter, Gary R	Primary PI	Civil Engineering NASA-ARC-Ames Research Center	An Extended Analysis of Science Outreach Programs in the Space Life Sciences...	3/1/99 - 6/30/03	1991 991082	\$200,000
Fontane, Darrell G Ruff, James F	Primary PI Co-PI	Civil Engineering Union Corporation (Japan)	Hydraulics: Specialized Training	6/22/01 - 6/21/02	5763 992513	\$33,510
Fontane, Darrell G Grigg, Neil S Vlachos, Evan C	Primary PI Co-PI Co-PI	Civil Engineering Water & Energy Comm. Secretariat, Nepal	Integrated Water Resources Management	8/13/01 - 12/31/01	5764 11846	\$18,723
Garcia, Luis	Primary PI	Civil Engineering DOI-Bureau of Reclamation	Characterization & Quantification of Streamflow Features & Variability for Historic Gunnison River Flows	9/6/01 - 9/30/03	1768 10398	\$74,371
Gates, Timothy K Garcia, Luis Labadie, John W Cardon, Grant E Frasier, W. Marshall	Primary PI Co-PI Co-PI Collaborator Collaborator	Civil Engineering USDA-CSREES-Coop State Rsrch Edu & Ext	Hierarchical Strategies for Recovery of a Salinity-Threatened Irrigated Valley	9/1/01 - 8/31/04	1501 2155	\$177,061
Grigg, Neil S	Primary PI	Civil Engineering DOS-AID-Agency for Inter. Development	IPA Agreement for Dr. John Austin	4/1/00 - 3/31/02	9002	\$13,985
Heyliger, Paul R	Primary PI	Civil Engineering CAMI-Advanced Materials Institute/Colo.	Electromagnetic & Acoustic Map of Combinatorial Libraries	7/1/01 - 6/30/02	0106 11556	\$18,000

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## Engineering - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Julien,Pierre Y	Primary PI	Civil Engineering DOI-Bureau of Reclamation	Cooperative Agreement for Technical Assistance in Water Resource Investigations 8/31/01 - 3/1/02	1876	\$76,000
Loftis,Jim C Brown,Karla A Garcia,Luis Broner,Israel Heil,Dean M Sharp,Rodney L Waskom,Reagan M	Primary PI Co-PI Co-PI Collaborator Collaborator Collaborator Collaborator	Civil Engineering ** USDA-CSREES-Coop State Rsrch Edu & Ext	Selenium in the Upper Colorado River Basin: Public Education & Remediation 9/15/01 - 9/30/04	1412 11565	\$399,500
Loftis,Jim C	Primary PI	Civil Engineering DOI-NPS-National Park Service	Establishing the Status & Trends of Impaired, Threatened, & Outstanding National/State Resource Waters in the ... 6/1/01 - 9/30/05	1843 11919	\$90,000
Loftis,Jim C	Primary PI	Civil Engineering DOI-NPS-National Park Service	Provide the Latest Information Technology Available to the Natural Resource Program Center (NRPC) 10/1/01 - 9/30/02	1864 12318	\$160,000
Loftis,Jim C	Primary PI	Civil Engineering DOI-NPS-National Park Service	Technology-enabled Air Resources & Geologic Resources Education 10/1/01 - 9/30/04	1865 12319	\$53,013
Loftis,Jim C Garcia,Luis	Primary PI Co-PI	Civil Engineering DOI-NPS-National Park Service	Inventorying & Monitoring Natural Resources Status & Trends in the National Park System 4/17/95 - 4/30/03	4159	\$130,000
Loftis,Jim C	Primary PI	Civil Engineering ** Various "Non-Profit" Sponsors	Eutrophication of Reservoirs on the Colorado Front Range 3/1/01 - 2/28/02	5055 11069	\$4,000
Nelson,John D	Primary PI	Civil Engineering NASA - Natl Aeronautics & Space Admin.	Mars Soil Mechanics Investigation 9/1/01 - 8/31/04	1947 10981	\$59,200
Oad,Ramchand	Primary PI	Civil Engineering State of New Mexico	Improving Performance of the Middle Rio Grande Irrigation System 5/23/01 - 1/14/03	5501 11316	\$92,000
Sanders,Thomas G Kimball,Dan	Primary PI Co-PI	Civil Engineering DOI-NPS-National Park Service	Quantification of Federal Reserved Water Rights for National Park Purposes 10/1/92 - 9/30/02	2860	\$321,195
Shackelford,Charles D	Primary PI	Civil Engineering NSF - National Science Foundation	Membrane Behavior of Clay Soil Barrier Materials 8/1/01 - 7/31/04	3317 10288	\$172,758
Thornton,Christopher I Abt,Steven R	Primary PI Co-PI	Civil Engineering DOI-NPS-National Park Service	Calibration of Reese Creek Flume Structure, Yellowstone National Park 3/1/01 - 3/31/02	1785	\$26,105

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## Engineering - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Wilkins-Wells,John Rees Podmore,Terence H	Primary PI Co-PI	Civil Engineering ** Colorado State Water Conservation Board	Assessment of the Benefits & Costs of Pressurized Dual Water Systems in Colorado	7/20/01 - 8/1/03	0527 10515	\$136,131
Wilkins-Wells,John Rees Podmore,Terence H	Primary PI Co-PI	Civil Engineering ** St. Vrain & Left Hand Water Cons. Dist.	Assessment of the Benefits & Costs of Pressurized Dual Water Systems	7/1/01 - 6/30/02	5147 10515	\$1,500
Woods,Sandra L Mcclain,Bonnie J	Primary PI Co-PI	Civil Engineering NASA - Natl Aeronautics & Space Admin.	Intergovernmental Personnel Act - Bonnie McClain	9/1/01 - 8/31/02	1904	\$125,889
Woods,Sandra L Coulter,Gary R	Primary PI Co-PI	Civil Engineering NASA - Natl Aeronautics & Space Admin.	Intergovernmental Personnel Act - Gary Coulter	8/10/01 - 8/9/02	1922	\$61,091
Woods,Sandra L	Primary PI	Civil Engineering DOD-ARMY	Intergovernmental Personnel Act (IPA) for Pierre Y. Julien, Waterways Experiment Station Vicksburg, MS	10/1/01 - 9/30/02	7372 12208	\$34,493
Elhakim,Omnia Gessler,Johannes	Primary PI Co-PI	Dean Of Engineering NSF - National Science Foundation	Colorado Alliance for Minority Participation - Phase II	11/1/01 - 10/31/06	3032 10270	\$594,000
Gessler,Johannes Stein,Fredrick M	Primary PI Co-PI	Dean Of Engineering NSF-EHR-Education & Human Resources	Colorado Alliance for Minority Participation (CO-AMP) - Phase II	11/1/01 - 10/31/06	3037	\$56,000
Azimi-Sadjadi,Mahmood	Primary PI	Elec. & Computer Engineering Hewlett Packard *	Relevance Feedback	9/1/01 - 9/30/02	6026 11320	\$62,676
Azimi-Sadjadi,Mahmood	Primary PI	Elec. & Computer Engineering DOD - US Department of Defense	Development of Target Classification Schemes for Laser Line Scan/Streak Tube Imaging Lidar Imagery Data	10/1/01 - 9/30/02	7354 11327	\$60,000
Menoni,Carmen S	Primary PI	Elec. & Computer Engineering Texas Tech University	Growth, Characterization, & Modeling of GaAsN: Fundamental Properties & Optoelectronic Application	6/1/00 - 5/31/03	3407 991235	\$46,659
Nassar,Carl R	Primary PI	Elec. & Computer Engineering CASI-Colorado Advanced Software Inst.	Breakthroughs in Channel Coding (without Bandwidth Expansion) for Next Generation Wireless	7/1/01 - 8/31/02	0188 10737	\$38,000
Nassar,Carl R	Primary PI	Elec. & Computer Engineering NSF - National Science Foundation	The Creation of a Wireless Exchange Using an Enabling Multiple Access Technology	10/1/01 - 9/30/03	3302 11023	\$143,554
Rocca,Jorge J G Menoni,Carmen S	Primary PI Co-PI	Elec. & Computer Engineering DOE - US Department of Energy	Development & Utilization of Bright Tabletop Sources of Coherent Soft X-Ray Radiation	9/15/00 - 7/14/03	3803	\$119,354

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## Engineering - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Rocca,Jorge J G Menoni,Carmen S	Primary PI Co-PI	Elec. & Computer Engineering DOE - US Department of Energy	Development & Utilization of Bright Tabletop Sources of Coherent Soft X-Ray Radiation 9/15/00 - 7/14/03	3803	\$23,600
Rocca,Jorge J G	Primary PI	Elec. & Computer Engineering DOE-Basic Energy Sci / Univ & Sci Educ	Diagnostics of Dense Plasmas with a Table-top Soft X-Ray Laser 11/15/97 - 11/14/02	3867	\$91,428
Scharf,Louis L	Primary PI	Elec. & Computer Engineering CASI-Colorado Advanced Software Inst.	Subspace Methods for the Demixing of Hyperspectral Images 7/1/01 - 8/31/02	0189 10979	\$41,000
Scharf,Louis L	Primary PI	Elec. & Computer Engineering DOD-NAVY-ONR-Office of Naval Research	Reduced Rank Wiener Filters in Optimized Coordinates for Partially Adaptive Filtering in Passive & Active ... 8/6/01 - 9/30/02	2375 11217	\$45,861
Scharf,Louis L	Primary PI	Elec. & Computer Engineering NSF - National Science Foundation	Collaborative Research: Signal Processing & Channel Modelling in Low-Dimensional Subspaces for Wireless ... 10/1/01 - 9/30/04	3296 10841	\$250,003
Venkatachalam,Chandras	Primary PI	Elec. & Computer Engineering NASA - Natl Aeronautics & Space Admin.	Konrad Gojara Fellowship (NASA Earth System Science Fellowship) 9/1/01 - 8/31/04	1923 12195	\$22,000
Edwards,Harry W	Primary PI	Mechanical Engineering University City Science Center	Industrial Assessment Center 10/1/97 - 9/30/01	9338	\$25,155
Hittle,Douglas C	Primary PI	Mechanical Engineering DOE-Energy Related Inventions	Phase Change Materials in Floor Tiles for Thermal Energy Storage 10/1/00 - 3/31/03	3804 1657	\$75,443
Olsen,Daniel B	Primary PI	Mechanical Engineering GRI-Gas Research Institute	Combustion Visualization in a Large Bore Natural Gas Engine 8/20/01 - 12/15/02	5144 11250	\$249,724
Olsen,Daniel B Bestor,Ted Willson,Bryan D	Primary PI Co-PI Co-PI	Mechanical Engineering Tennessee Gas Pipeline	Planar, Laser-induced Fluorescence Evaluation of LCM Fuel Valves 7/17/01 - 10/1/01	6017 12013	\$10,481
Olsen,Daniel B Bestor,Ted Willson,Bryan D	Primary PI Co-PI Co-PI	Mechanical Engineering Woodward Governor Company *	Scroll Compressor Testing 4/6/01 - 10/1/01	6144 11723	\$7,493
Radford,Donald W	Primary PI	Mechanical Engineering CAMI-Advanced Materials Institute/Colo.	Characterization of Carbon Foam Materials for Thermal Management Applications 7/1/01 - 6/30/02	0107 11510	\$18,000
Sampath,Walajabad S Barth,Kurt Enzenroth,Robert A	Primary PI Co-PI Co-PI	Mechanical Engineering Midwest Research Institute - NREL	Stability, Yield & Efficiency Studies of CdS/CdTe Photovoltaics Devices Processed with a Continuous On-line Automated... 9/21/01 - 9/20/04	3910 11216	\$75,000

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## Engineering - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Sampath, Walajabad S	Primary PI Mechanical Engineering AVA Technologies	High Throughput Vacuum Processing for Innovative Uses of Glass	4/1/01 - 4/1/03	3936 11874	\$40,000
Wheeler, Donna	Primary PI Mechanical Engineering DePuy Inc.	PMMA Study -- Phase II III	10/16/00 - 10/15/01	6084 10279	\$10,250
Wheeler, Donna	Primary PI Mechanical Engineering US Biomaterials Corporation	Comparison of Bioactive Bone Graft Materials Against Industry Standards	4/2/01 - 1/10/03	6125 11312	\$10,216
Willson, Bryan D	Primary PI Mechanical Engineering DOE - US Department of Energy	Improvement to Pipeline Compressor Engine Reliability through Retrofit Micro-Pilot Ignition System	9/19/01 - 9/18/04	3824 10919	\$104,043
				<b>Engineering Total:</b>	<b>\$14,772,916</b>

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Awards Received - 15

Awards Received includes all new and incremental funding toward a new or existing project.

## Liberal Arts - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Todd, Lawrence C	Primary PI Anthropology USDA-USFS-Forest Research	Nebraska National Forest Cultural Resource Database	8/27/99 - 12/31/02	8711	\$14,500
Kling, Robert W Phillips, Ronnie J	Primary PI Co-PI Economics USDA-USFS-Rocky Mtn. Rsrch Station - CO	Measuring Stakeholder & Forest Service Employee Perceptions about Fire Risk Management in the Colorado Front Range	1/1/00 - 10/31/02	8761	\$41,000
Slater, Michael D	Primary PI Journalism & Technical Comm HHS-PHS-Drug Abuse Research Programs	Community Readiness & Media Prevention Campaigns	9/30/98 - 8/31/03	7614 980508	\$470,230
Slater, Michael D	Primary PI Journalism & Technical Comm HHS-NIH-Center for Scientific Review	Alcohol Risk Perceptions & the Media	8/1/95 - 8/31/05	7692 10383	\$476,944
Zimmerman, Donald E	Primary PI Journalism & Technical Comm USDA-USFS-Rocky Mtn. Rsrch Station - CO	Effectiveness of Visualization in Improving Ability of Public to Interpret Output from the Forest Vegetation ...	8/7/01 - 8/31/02	8884	\$30,000
Burns, Morris U	Primary PI Music Theatre & Dance City of Fort Collins - Fort Fund	Outdoor Café Theatre	2/21/01 - 2/20/02	5115 10851	\$3,500
<b>Liberal Arts Total:</b>					<b>\$1,036,174</b>

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## Natural Resources - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Shaw,Robert B Jones,David S	Primary PI Co-PI	CFEMMI. DOD-ARMY-Fort Lewis, Washington	Tracked Vehicle Project Support for Fort Lewis, Washington	9/1/01 - 1/15/03	2304 12308	\$27,500
Shaw,Robert B Brozka,Robert J Kondratieff,Boris C Opler,Paul A	Primary PI Co-PI Co-PI Co-PI	CFEMMI. DOD-ARMY	Terrestrial Invertebrate Survey at Fort Sill, Oklahoma	8/3/01 - 1/15/03	2350 11617	\$54,258
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CFEMMI. DOD-ARMY	Environmental Restoration Support for Investment & Long Term Operations for USARAK ON CAMPUS	9/30/01 - 9/30/04	2480 12401	\$12,430
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CFEMMI. DOD-ARMY	Environmental Restoration Support for Investment & Long Term Operations for USARAK OFF CAMPUS	9/30/01 - 9/30/04	2481 12401	\$287,570
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CFEMMI. DOD-ARMY	Environmental Restoration Support for Investment & Long Term Operations for USARAK OFF CAMPUS	9/30/01 - 9/30/04	2482 12401	\$191,520
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CFEMMI. DOD-ARMY	Environmental Restoration Support for Investment & Long Term Operations for USARAK ON CAMPUS	9/30/01 - 9/30/04	2483 12401	\$8,480
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CFEMMI. DOD-ARMY	Land Condition Trend Analysis Work for Alaska Army National Guard at Stewart River Local Training OFF CAMPUS	7/1/01 - 2/28/02	2574 11785	\$62,469
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CFEMMI. DOD-ARMY	Land Condition Trend Analysis Work for Alaska Army National Guard at Stewart River Local Training ON CAMPUS	7/1/01 - 2/28/02	2575 11785	\$3,030
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CFEMMI. DOD-ARMY-Fort Lewis, Washington	Hydrologist Support for Yakima Training Center, Washington, On-Campus	8/24/01 - 8/23/02	2576 1185	\$4,385
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CFEMMI. DOD-ARMY-Fort Lewis, Washington	Hydrologist Support for Yakima Training Center, Washington, Off Campus	8/24/01 - 8/23/02	2577 1185	\$61,615
Shaw,Robert B Jones,David S	Primary PI Co-PI	CFEMMI. DOD-ARMY-Fort Lewis, Washington	GPS Data Collection for Yakima Training Center, Washington, On-Campus	8/15/01 - 9/21/01	2578 1185	\$266
Shaw,Robert B Jones,David S	Primary PI Co-PI	CFEMMI. DOD-ARMY-Fort Lewis, Washington	GPS Data Collection for Yakima Training Center, Washington, Off-Campus	8/15/01 - 9/21/01	2579 1185	\$2,234

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## Natural Resources - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Shaw,Robert B Jones,David S	Primary PI Co-PI CFEMMI, State of Idaho	Tracked Vehicle Study Data Analysis & Report 2001- ON CAMPUS	7/20/01 - 7/26/02	2643 11737	\$19,911
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI CFEMMI, State of Idaho	Land Condition Trend Analysis Field Data Collection & Data Analysis 2001-2002	7/23/01 - 9/30/02	2644 11736	\$37,284
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI CFEMMI, Calibre Systems, Inc.	Land Condition Trend Analysis II Survey Support for the US Army Environmental Center	9/14/01 - 1/13/02	2663 564	\$13,364
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI CFEMMI, DOD-ARMY-Corps of Engineers	Integrated Training Area Management Program, Land Condition Trend Analysis Support for Fort Stewart, Georgia	6/1/00 - 5/31/01	7208 1935	\$3,300
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI CFEMMI, DOD-ARMY-Corps of Engineers	ITAM Support for Fort Stewart, Georgia	9/27/00 - 9/27/01	7213 2053	\$4,200
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI CFEMMI, DOD-ARMY	Mission Transformation Environmental Impact Statement - Phase II ON CAMPUS	9/30/01 - 9/30/03	7236 12402	\$413,850
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI CFEMMI, DOD-ARMY	Mission Transformation Environmental Impact Statement - Phase II OFF CAMPUS	9/30/01 - 9/30/03	7237 12402	\$86,150
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI CFEMMI, DOD-ARMY	Environmental Compliance Support for USARAK ON CAMPUS	9/30/01 - 9/30/04	7238 12400	\$9,520
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI CFEMMI, DOD-ARMY	Environmental Compliance Support for USARAK OFF CAMPUS	9/30/01 - 9/30/04	7239 12400	\$190,480
Shaw,Robert B Doe,William W	Primary PI Co-PI CFEMMI, DOD-ARMY	Intergovernmental Personnel Act for Theodore Reid	9/15/99 - 9/14/03	7255 106	\$207,999
Shaw,Robert B Jones,David S	Primary PI Co-PI CFEMMI, DOD-ARMY-Fort Lewis, Washington	Land Condition Trend Analysis Data Support for Fort Lewis, Washington	9/1/01 - 1/15/03	7304 12341	\$10,500
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI CFEMMI, DOD-ARMY-Fort Drum, New York	Technical Field Support for Forest Management at Fort Drum, New York ON CAMPUS	9/19/01 - 12/31/02	7377 12372	\$895
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI CFEMMI, DOD-ARMY-Fort Drum, New York	Technical Field Support for Forest Management at Fort Drum, New York OFF CAMPUS	9/19/01 - 12/31/02	7378 12372	\$8,887
Shaw,Robert B	Primary PI CFEMMI, USDA-USFS-Rocky Mtn. Rsrch Station - CO	Support for Agricultural Outlease Program at Fort Campbell, Kentucky	1/15/01 - 2/28/02	8493 12376	\$1,800

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## Natural Resources - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Land Condition Trend Analysis Program Support on Ft. McCoy	12/15/00 - 7/31/02	8498 902	\$31,500
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	USAREUR GIS & Land Management Programs	1/1/01 - 1/1/02	8499 902	\$52,489
Shaw,Robert B	Primary PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Ecological Monitoring & Wildfire Management Technical Support for Elgin Air Force Base, FL	4/27/01 - 12/31/02	8515 12396	\$90,000
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	LCTA Program Support for Fort Stewart, Georgia	6/1/01 - 4/25/02	8519 902	\$1,800
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Controlling Exotic Plant & Habitat Management on Fort McCoy, WI	5/7/01 - 9/30/02	8534 12407	\$15,300
Shaw,Robert B Zeidler,James A	Primary PI Co-PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Cultural Resources & Wildlife Management Support at Fort Campbell, KY	8/1/01 - 3/31/03	8538 902	\$354,641
Shaw,Robert B Zeidler,James A	Primary PI Co-PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Historic Architectural Survey for US Army Garrison, Hawaii	10/1/01 - 10/1/03	8539 902	\$195,090
Shaw,Robert B	Primary PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Exotic Plant Species & Wildlife Habitat Management on Fort McCoy, Wisconsin	9/1/01 - 9/30/02	8540 12330	\$31,527
Shaw,Robert B	Primary PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Exotic Plant Species & Wildlife Habitat Management on Fort McCoy, Wisconsin	9/1/01 - 9/30/02	8540 12330	\$24,300
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Integrated Training Area Management Program LCTA, GIS, & LRAM Technical Support	7/1/01 - 6/30/03	8541 902	\$27,000
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Magnetic Identification Signs for Range Control Vehicles	8/1/01 - 10/31/01	8542 902	\$3,226
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Soil & Vegetation Sample Collection Data Analysis & Reporting at Ft. Leonard Wood, MO	1/1/02 - 12/31/02	8543 902	\$78,640
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Technical Assistance in Fire Management & Range Facilities Planning for US Army Hawaii	6/1/01 - 12/31/02	8544 902	\$85,323
Shaw,Robert B	Primary PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Phase I Archaeological Inventory of Fort McCoy, Wisconsin	9/1/01 - 12/30/02	8545 12409	\$7,200
Shaw,Robert B	Primary PI	CEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Phase I Archaeological Inventory of Fort McCoy, Wisconsin	9/1/01 - 12/30/02	8545 12409	\$8,569

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## Natural Resources - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Range & Training Land Program Coordination Headquarters, U.S. Army Pacific	9/1/01 - 12/31/02	8546 902	\$63,000
Shaw,Robert B Zeidler,James A	Primary PI Co-PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Cultural Resources Management Support for Fort Leonard Wood, MO	9/15/01 - 9/14/02	8547 902	\$91,350
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Wildlife Population & Ecosystem Management on Fort McCoy	8/15/01 - 9/30/02	8548 902	\$54,000
Shaw,Robert B Warren,Steven D	Primary PI Co-PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Soil Erosion Modeling at Fort McCoy, WI	9/15/01 - 9/15/02	8549 902	\$12,780
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Map Production 1:25,000 Installation Special Camp Guernsey	9/1/01 - 6/30/02	8550 12213	\$5,255
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Map Production 1:50,000 Air Ops Camp Guernsey	9/1/01 - 6/30/02	8551 12214	\$4,923
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Map Production 1:50,000 Installation Special Camp Guernsey	9/1/01 - 6/30/02	8553 12215	\$4,924
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Areview Interface for Camp Gernsey North Training Area Cultural Sites	9/1/01 - 6/30/02	8554 12216	\$22,500
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Geographic Information System Support for Fort Hunter Liggett, CA	9/1/01 - 11/30/02	8555 12221	\$66,768
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	'Integrated Training Area Management Program Support at Fort Hunter Liggett, CA	9/15/01 - 9/15/02	8556 12303	\$90,000
Shaw,Robert B Zeidler,James A	Primary PI Co-PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	9th Regional Support Command Integrated Cultural Resources Management Plan (McCoy)	9/17/01 - 12/31/02	8557 12302	\$70,650
Shaw,Robert B Warren,Steven D	Primary PI Co-PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Land Rehabilitation & Maintenance Program Support for Ft. McClellan, Alabama	9/17/01 - 11/30/02	8558 12339	\$120,600
Shaw,Robert B	Primary PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	GIS Program Support for NGB Training Division	9/20/01 - 11/30/02	8559 12377	\$94,394
Shaw,Robert B Zeidler,James A	Primary PI Co-PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Cultural Resources Management Support for Eglin Air Force Base, Florida	9/24/01 - 7/8/03	8560 12397	\$44,100
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CFEMMI. USDA-USFS-Rocky Mtn. Rsrch Station - CO	Integrated Training Area Management Program Support for U.S. Army, Hawaii	9/20/01 - 9/19/03	8561 12378	\$50,400

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## Natural Resources - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CFMML USDA-USFS-Rocky Mtn. Rsrch Station - CO	Range & Training Land Program Coordination Headquarters, U.S. Army Pacific	9/20/01 - 2/28/03	8562 12379	\$18,000
Shaw,Robert B Zeidler,James A	Primary PI Co-PI	CFMML USDA-USFS-Rocky Mtn. Rsrch Station - CO	Cultural Resources Management Support for Eglin Air Force Base, Florida	9/24/01 - 7/8/03	8563 12405	\$115,200
Shaw,Robert B	Primary PI	CFMML USDA-USFS-Rocky Mtn. Rsrch Station - CO	Threatened & Endangered Species Management at Fort McCoy, Wisconsin	9/24/01 - 8/31/02	8564 12408	\$27,000
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CFMML USDA-USFS-Rocky Mtn. Rsrch Station - CO	Support for Fort McCoy Fisheries Program	9/21/01 - 4/1/03	8565 12410	\$27,000
Anderson,David R	Primary PI	Coon Fish & Wildlife Research Colorado Division of Wildlife	01/02 Evaluation of Grouse Habitat in Middle Park Exhibit E	7/1/01 - 6/30/02	0506	\$20,000
Anderson,David R	Primary PI	Coon Fish & Wildlife Research Colorado Division of Wildlife	01/02 Moffat County Grouse - Exhibit F	7/1/01 - 6/30/02	0507	\$40,000
Anderson,David R	Primary PI	Coon Fish & Wildlife Research Colorado Division of Wildlife	01/02 Seasonal Dispersal Patterns - Gunnison Sage Grouse - Exhibit G	7/1/01 - 6/30/02	0508	\$25,000
Anderson,David R	Primary PI	Coon Fish & Wildlife Research Colorado Division of Wildlife	01/02 Lynx - Exhibit H	7/1/01 - 6/30/02	0509	\$54,500
Anderson,David R Wilson,Kenneth R	Primary PI Co-PI	Coon Fish & Wildlife Research Colorado Division of Wildlife	01/02 Preble's Meadow Jumping Mouse - Exhibit I	7/1/01 - 6/30/02	0510	\$34,000
Bergersen,Eric P	Primary PI	Coon Fish & Wildlife Research Colorado Division of Wildlife	01/02 Aquatic Studies - Two River Whirling Disease Investigations - Exhibit C	7/1/01 - 6/30/02	0504	\$50,000
Bergersen,Eric P	Primary PI	Coon Fish & Wildlife Research Colorado Division of Wildlife	01/02 Tubifex Worm Investigations - Exhibit D	7/1/01 - 6/30/02	0505	\$20,000
Bergersen,Eric P	Primary PI	Coon Fish & Wildlife Research Colorado Division of Wildlife	01/02 Pike Spawning - Exhibit J	7/1/01 - 6/30/02	0511	\$50,000
Bergersen,Eric P	Primary PI	Coon Fish & Wildlife Research Colorado Division of Wildlife	01/02 Zimmerman Lake Greenback - Exhibit E	7/1/01 - 6/30/02	0512	\$55,000
Bergersen,Eric P	Primary PI	Coon Fish & Wildlife Research DOI-USGS-Geological Survey	The Ecology of Fishes in McKittrick Creek, Guadalupe Mountains National Park, Texas	8/27/99 - 2/15/02	2917 992505	\$1,100

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## Natural Resources - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Kennedy,Patricia L	Primary PI	Coon Fish & Wildlife Research DOI-USGS-Research and Data Acquisition	Evaluation of the Raptor Electrocutation Mitigation Strategy Implemented by Moon Lake Electric Association at the... 7/5/00 - 12/31/03	1712 401	\$79,700
Savidge,Julie	Primary PI	Coon Fish & Wildlife Research DOI-USGS-Geological Survey	Population Demography of Lark Buntings 9/4/01 - 9/30/04	2844 11995	\$14,010
White,Gary C	Primary PI	Coon Fish & Wildlife Research DOI-USGS-Geological Survey	Distribution & Abundance of Bighorn Sheep in Rocky Mountain National Park 9/4/01 - 9/30/04	2803 11906	\$141,733
Cooper,David Jonathan	Primary PI	Earth Resources DOI-NPS-National Park Service	Restoration of Drakes Bad Meadow, Lassen Volcanic Park, CA 5/1/01 - 5/13/04	1857	\$1,208
Hannah,Judith L	Primary PI	Earth Resources DOI-NPS-National Park Service	Development of Environmental Contaminant Encyclopedia 8/27/93 - 9/30/02	1731	\$73,318
Hannah,Judith L Stein,Holly J	Primary PI Co-PI	Earth Resources NSF - National Science Foundation	Re-Os Systematics in Proterozoic Anorthosite Complexes 8/1/01 - 7/31/03	3298 10708	\$96,052
Smith,Freeman M	Primary PI	Earth Resources USDA-NRCS-Natural Resources Consvtn Srv	Fort Bend & Beaver/Badger Watershed Plans 11/2/00 - 9/30/02	2062	\$1,000
Stednick,John D	Primary PI	Earth Resources DOI-NPS-National Park Service	The Effects of Prescribed Burning on Stream Water Chemistry at Different Spatial & Temporal Scales, Sequoia & Kings .. 8/20/01 - 10/1/01	1809	\$1,505
Stein,Holly J Hannah,Judith L Markey,Richard J	Primary PI Co-PI Co-PI	Earth Resources NSF - National Science Foundation	187Re-187Os Calibration of Molybdenite from Henderson, Colorado: A New NIST Reference Material 9/15/01 - 8/31/02	3224 10953	\$70,000
Wohl,Ellen E	Primary PI	Earth Resources DOI-NPS-National Park Service	Descriptive Study: Black Canyon of the Gunnison 3/1/01 - 9/30/01	1831	\$3,496
Andelt,William F	Primary PI	Fish & Wildlife Biologv Colorado Division of Wildlife	Damage Control Extension - Andelt 7/1/01 - 6/30/02	0514	\$40,000
Anderson,David G	Primary PI	Fish & Wildlife Biologv DOD-USAF-Air Force	Noxious Weed Inventory 9/14/01 - 9/13/02	7327 11189	\$45,143
Benson,Delwin E	Primary PI	Fish & Wildlife Biologv Blue Valley Ranch	Blue Valley Ranch 9/21/99 - 5/31/02	5304	\$15,000
Bestgen,Kevin R	Primary PI	Fish & Wildlife Biologv Colorado Division of Wildlife	West Slope Native Fishes Status & Trends Assessment 4/19/01 - 6/30/03	0476 10797	\$23,000

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## Natural Resources - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Bestgen, Kevin R	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Rio Grande Chub Limiting Factors Research & Genetic Assessment (segment II, ecology)	4/19/01 - 6/30/03	0478 10797	\$20,999
Beyers, Daniel W	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Investigation of Environmental Factors Limiting Suckermouth Minnow Populations	4/19/01 - 6/30/03	0480 10797	\$57,750
Clements, William H	Primary PI Fish & Wildlife Biology DOI-USGS-Research and Data Acquisition	Integration of Geological & Ecological Indicators for Assessment of Impacts on Stream & Riparian...	10/1/99 - 9/30/02	2813	\$3,478
Culver, Denise R	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Duck Stamp Program Report	9/12/01 - 10/12/01	0497 11204	\$10,000
Culver, Denise R	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Survey of Critical Wetlands & Riparian Areas in Mesa County	7/20/01 - 6/30/02	0519 11620	\$55,000
Culver, Denise R	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Wetland Project Design to the State for Wetland Conservation & Protection	7/20/01 - 6/30/02	0525 11561	\$40,000
Culver, Denise R	Primary PI Fish & Wildlife Biology DOI-BLM-Bureau of Land Management	Wetland/Seep/Spring/Biological Inventories in Several Colorado Counties	4/1/01 - 9/30/01	1745 10050	\$15,000
Culver, Denise R	Primary PI Fish & Wildlife Biology DOI-BLM-Bureau of Land Management	Mesa County Seeps & Springs Survey	8/30/01 - 12/31/01	1750 12065	\$2,500
Douglas, Marlis R	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Yampa River Native Sucker Hybridization Assessment	4/19/01 - 6/30/02	0477 10797	\$55,020
Douglas, Marlis R	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Rio Grande Chub Genetic Assessment/Limiting Factors Research	4/19/01 - 6/30/03	0479 10797	\$28,488
Douglas, Marlis R	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Suckermouth Minnow Genetic Assessment	4/19/01 - 6/30/02	0481 10797	\$10,097
Drummond Iii, Boyce A	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Natural Diversity Information Source (NDIS) Website Task Order - Fiscal Year 2002	7/1/01 - 6/30/02	0517 11884	\$58,161
Stevens, Joseph E	Primary PI Fish & Wildlife Biology The Nature Conservancy	COFO FY01 Support Agreement	7/1/00 - 6/30/02	5604 2657	\$25,000
Fausch, Kurt D	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Effects of Brook Trout on Colorado River Cutthroat Trout	7/1/99 - 6/30/02	0455	\$36,000

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## Natural Resources - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Fausch,Kurt D	Primary PI	Fish & Wildlife Biology Colorado Division of Wildlife	5/17/99 - 12/31/01	0457	\$12,500
Fausch,Kurt D	Primary PI	Fish & Wildlife Biology NSF - National Science Foundation	9/1/01 - 10/31/04	3012 10796	\$301,213
Gionfriddo,James P	Primary PI	Fish & Wildlife Biology DOI-USFWS-Fish & Wildlife Service	7/2/01 - 7/1/02	4112 2353	\$92,915
Johnson,Brett Michael	Primary PI	Fish & Wildlife Biology DOI-Bureau of Reclamation	4/22/93 - 9/30/04	2842	\$50,000
Knight,Richard L	Primary PI	Fish & Wildlife Biology Colorado Division of Wildlife	9/1/99 - 12/31/01	0454	\$3,262
Lambert,Bradley A	Primary PI	Fish & Wildlife Biology Colorado Division of Wildlife	7/20/01 - 6/30/03	0520 11834	\$65,604
Lavender,Amy E	Primary PI	Fish & Wildlife Biology Colorado Division of Wildlife	7/18/01 - 6/30/03	0522 11885	\$44,619
Melcher,Cynthia P	Primary PI	Fish & Wildlife Biology Colorado Division of Wildlife	7/1/01 - 10/31/01	0515 10598	\$16,499
Myrick,Christopher A	Primary PI	Fish & Wildlife Biology USDA-USFS-Forest Research	9/13/01 - 12/31/02	8733 12097	\$10,000
Noon,Barry R	Primary PI	Fish & Wildlife Biology USDA-USFS-Rocky Mtn. Rsrch Station - CO	8/15/01 - 9/30/04	8885 12119	\$102,000
Noon,Barry R	Primary PI	Fish & Wildlife Biology USDA-USFS-Rocky Mtn. Rsrch Station - CO	8/15/01 - 9/30/04	8885 12119	\$100,000
Robinette,H. Randall	Primary PI	Fish & Wildlife Biology USDA-NRCS-Natural Resources Consvtn Srv	8/15/01 - 9/30/02	2053 11886	\$60,000
Robinette,H. Randall	Primary PI	Fish & Wildlife Biology USDA-NRCS-Natural Resources Consvtn Srv	12/1/97 - 9/30/02	2123	\$32,000
Rondeau,Renee	Primary PI	Fish & Wildlife Biology DOD - US Department of Defense	7/21/00 - 7/20/02	2443 625	\$42,604

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## Natural Resources - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Savidge,Julie	Primary PI Fish & Wildlife Biology DOI-USGS-Geological Survey	Landscape-scale Fire Patterns in the Ponderosa Pine/Upland Shrub System	8/15/01 - 8/14/02	1789 11866	\$6,434
Savidge,Julie	Primary PI Fish & Wildlife Biology DOI-NPS-National Park Service	Fire Patterns in the Ponderosa Pine/Upland Shrub System	8/1/01 - 9/30/05	1856 12069	\$29,159
Savidge,Julie	Primary PI Fish & Wildlife Biology USDA-APHIS-Animal Damage Control	Brown Tree Snake Research	9/17/01 - 8/30/02	2031 12332	\$20,000
Wimsatt,Jeffrey H	Primary PI Fish & Wildlife Biology USDA-APHIS-Animal Plant Health Insp Srvc	Postdoctoral Position in Reptile Reproduction	8/1/99 - 7/31/02	2181 991682	\$40,780
Schorr,Robert	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Preble's Meadow Jumping Mouse Surveys in Elbert County, Colorado	8/27/01 - 6/30/02	0498 11898	\$39,960
Schorr,Robert	Primary PI Fish & Wildlife Biology USDA-USFS-Forest Research	Preble's Mouse Surveys in Trout Creek	7/1/01 - 6/30/02	8878 11899	\$5,000
Siemers,Jeremy	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Cave Inventory of Colorado	7/18/01 - 6/30/02	0521 11296	\$55,422
Siemers,Jeremy	Primary PI Fish & Wildlife Biology USDA-USFS-Forest Research	Boreal Toad Surveys Throughout Colorado	5/26/99 - 5/25/04	8817 991564	\$15,000
Sovell,John R	Primary PI Fish & Wildlife Biology DOD - US Department of Defense	Monitor Grasshopper (Orthoptera: Acridadae) Communities at the Pueblo Chemical Depot	7/21/00 - 7/20/02	2422 2245	\$52,958
Spackman,Susan	Primary PI Fish & Wildlife Biology Colorado Department of Transportation	Noxious Weed Mapping Project, Year 2	7/1/01 - 6/30/02	0516 11449	\$80,891
Spackman,Susan	Primary PI Fish & Wildlife Biology DOI-BLM-Bureau of Land Management	Florence Rare Plant Inventory	7/11/01 - 5/1/02	1709 11949	\$1,700
Spackman,Susan	Primary PI Fish & Wildlife Biology DOI-NPS-National Park Service	Florissant & Great Sand Dunes National Monuments Vascular Plant Inventories	8/1/01 - 12/31/02	1863 12171	\$34,562
Spackman,Susan	Primary PI Fish & Wildlife Biology Pueblo County, Colorado	Pueblo County Inventory of Critical Biological Resources	8/21/01 - 12/31/01	5129 117	\$10,000
Stevens,Joseph E	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	2001 Basinwide Field Verification Proposal, FY01 Project Phase: Upper Yampa, Upper White, & Little Snake Rivers	5/4/01 - 11/30/01	0489 11009	\$121,590

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## Natural Resources - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Stevens,Joseph E	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Aquatic GIS Program Technician - Fiscal Year 2002	9/14/01 - 2/28/02	0530 12199	\$20,750
Stevens,Joseph E	Primary PI Fish & Wildlife Biology DOI-NPS-National Park Service	Vegetation Classification & Mapping of Rocky Mountain National Park	8/1/01 - 5/1/04	1882 12235	\$114,000
Stevens,Joseph E	Primary PI Fish & Wildlife Biology DOI-NPS-National Park Service	Vegetation Classification & Mapping of Rocky Mountain National Park	8/1/01 - 5/1/04	1882 12235	\$125,109
Stevens,Joseph E	Primary PI Fish & Wildlife Biology DOI-NPS-National Park Service	Biological Inventory of Bent's Old Fort National Historical Site of the Southern Plains Network	6/1/01 - 5/31/02	1897 1858	\$3,245
Stevens,Joseph E	Primary PI Fish & Wildlife Biology DOI-NPS-National Park Service	Vegetation Classification & Mapping Assistance at Black Canyon & Curecanti	7/6/01 - 7/20/01	4114 11945	\$2,248
Stevens,Joseph E	Primary PI Fish & Wildlife Biology Colorado State Parks/CO Natural Areas Pg	Colorado Natural Areas Program Ecology Technician	8/1/00 - 7/31/02	5171 1863	\$114,854
White,Gary C	Primary PI Fish & Wildlife Biology Colorado Division of Wildlife	Biometrical Consulting Services	7/1/01 - 6/30/02	0513	\$131,000
Wilson,Kenneth R	Primary PI Fish & Wildlife Biology NSF - National Science Foundation	Using Biological Databases to Improve Biodiversity Assessments: New Methods for Geographic-based Analysis	10/1/01 - 9/30/03	3009 10858	\$294,838
Wilson,Kenneth R	Primary PI Fish & Wildlife Biology USDA-USFS-Rocky Mtn. Rsrch Station - CO	Data Migration to the Natural Resources Information System	7/23/01 - 6/1/02	8879	\$26,450
Wilson,Kenneth R	Primary PI Fish & Wildlife Biology USDA-USFS-Rocky Mtn. Rsrch Station - CO	Patterns of Biodiversity in the Southwest	7/31/01 - 9/30/03	8883	\$31,092
Binkley,Daniel E	Primary PI Forest Sciences DOI-USGS-Geological Survey	Structure & Function of Northern Ecosystems & Their Response to Global Change	7/15/01 - 7/14/02	1781 11821	\$40,199
Binkley,Daniel E Herrmann,Raymond	Primary PI Co-PI Forest Sciences DOI-USGS-Research and Data Acquisition	Watershed Research in the United States National Parks	8/1/99 - 5/31/02	2868 991939	\$23,000
Binkley,Daniel E	Primary PI Forest Sciences University of Hawaii	Longevity of Tree-Species Effects on Soil Fertility	4/15/99 - 6/30/02	3667 991325	\$33,146
Cheng,Antony S	Primary PI Forest Sciences USDA-USFS-Rocky Mtn. Rsrch Station - CO	Collaborative Objectives-based Planning on the Grand Mesa, Uncompahgre & Gunnison (GMUG) National Forest	9/11/01 - 5/31/02	8729 11895	\$21,827

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Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Cheng, Antony S Champ, Joseph G	Primary PI Co-PI	Forest Sciences ** USDA - US Department of Agriculture	The Use of Narrative & Media Accounts as Methods for Mapping Sense of Place on National Forest Lands	9/20/01 - 5/31/03	8734 12356	\$9,500
Cheng, Antony S	Primary PI	Forest Sciences USDA-Forest Service-Pacific NW Exp Statn	Enhancing the Integration of Diverse Perspectives on Conserving Natural Resource Values Across Multiple Landscape Scales	9/21/01 - 8/31/04	8744 12093	\$22,000
Dean, Denis J	Primary PI	Forest Sciences USDA - US Department of Agriculture	Landscape Characterization Over Time	9/1/00 - 8/31/02	8841 1667	\$10,500
Hoffer, Roger M	Primary PI	Forest Sciences USDA-Cooperative Forestry Assistance	Comparison of High Spatial Resolution Sensor Systems for Mapping & Monitoring Forest Insect Infestations	9/14/00 - 5/30/02	8827 2604	\$32,532
Omi, Philip N	Primary PI	Forest Sciences USDA - US Department of Agriculture	Explaining Broad-scale Fire Patterns in the Western & Southern United States	8/1/01 - 7/31/02	8881 11880	\$35,000
Reich, Robin M	Primary PI	Forest Sciences DOI-USGS-Geological Survey	Internet Testing & Performance of Spatial Statistical Models	8/7/01 - 12/16/01	1763 12152	\$16,000
Smith, Frederick W	Primary PI	Forest Sciences USDA-USFS-Rocky Mtn. Rsrch Station - CO	Carbon Allocation in Coniferous Forests	8/11/99 - 5/31/04	8862	\$23,300
Bright, Alan	Primary PI	Nat Res Recreation & Tourism USDA - US Department of Agriculture	An Assessment of Public Perceptions of Fuel Reduction/Restoration Activities on National Forests	8/27/01 - 2/1/04	8887	\$34,613
Manfredo, Michael J	Primary PI	Nat Res Recreation & Tourism USDA-USFS-Pacific SW	Year 2001 International Symposium on Society & Resource Management Proceedings	8/20/01 - 4/1/02	8886 11917	\$5,000
Titre, John P	Primary PI	Nat Res Recreation & Tourism DOI-BLM-Bureau of Land Management	A Study of Boater Recreation on the Upper Colorado River, Colorado	5/15/00 - 5/30/02	2859 1998	\$25,000
Vaske, Jerry J	Primary PI	Nat Res Recreation & Tourism DOI-USGS-Geological Survey	Visitor Response to National Wildlife Refuge Recreation Fee Demonstration Projects	6/23/00 - 8/31/02	2893 992199	\$19,724
Wallace, George N	Primary PI	Nat Res Recreation & Tourism Northwestern Colorado Council of Govts.	White River National Forest Boundary Analysis: Blue River Basin Study Ares	8/28/00 - 9/30/01	2215 10154	\$2,000
Binkley, Daniel E Stohlgren, Thomas J	Primary PI Co-PI	Natural Resource Ecology Lab DOI-USGS-Research and Data Acquisition	Support for Global Change Research Program	5/13/99 - 6/30/02	2895 991938	\$35,719

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Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Ellis,James Coughenour,Michael B Galvin,Kathleen	Primary PI Co-PI Co-PI	Natural Resource Ecology Lab ** University of California at Davis	Integrated Modeling & Assessment for Balancing Food Security, Conservation, & Ecosystem Integrity	7/1/01 - 6/30/04	9014	\$37,681
Ellis,James Coughenour,Michael B Galvin,Kathleen	Primary PI Co-PI Co-PI	Natural Resource Ecology Lab University of California at Davis	Integrated Modeling & Assessment for Balancing Food Security, Conservation, & Ecosystem Integrity	7/30/01 - 6/30/04	9015	\$49,819
Hanan,Niall P Coughenour,Michael B Omi,Philip N Dangelmayr,Gerhard H	Primary PI Co-PI Co-PI Collaborator	Natural Resource Ecology Lab NSF - National Science Foundation	Biocomplexity in African Savannas	9/1/01 - 8/31/05	3020 11166	\$1,424,965
Hobbs,N. Thompson Cooper,David Jonathan Singer,Francis J	Primary PI Co-PI Co-PI	Natural Resource Ecology Lab DOI-USGS-Geological Survey	Willow Persistence in Yellowstone National Park: Interactive Effects of Climate, Hydrology & Herbivory	4/1/01 - 3/31/05	1762 11268	\$9,000
Hobbs,N. Thompson	Primary PI	Natural Resource Ecology Lab DOI-USGS-Geological Survey	Development of Models & Methods for Studies of Population Dynamics	8/1/01 - 7/31/02	1799 11873	\$110,000
Hobbs,N. Thompson	Primary PI	Natural Resource Ecology Lab NSF-Biological Sciences	Spatial & Temporal Dynamics of Prion Disease in Wildlife: Responses to Changing Land Use	9/15/00 - 8/31/05	3146 1321	\$459,333
Johnson,Brett Michael Baron,Jill	Primary PI Co-PI	Natural Resource Ecology Lab DOI-USGS-Research and Data Acquisition	Air Quality Research on Department of Interior Lands	6/1/00 - 5/31/02	2886 992213	\$53,534
Kalkhan,Mohammed Stohlgren,Thomas J	Primary PI Co-PI	Natural Resource Ecology Lab DOI-USGS-Geological Survey	Invasive Species Survey & Report	8/1/01 - 7/31/03	1780 11848	\$84,042
Kalkhan,Mohammed Reich,Robin M Stohlgren,Thomas J	Primary PI Co-PI Co-PI	Natural Resource Ecology Lab DOI-USGS-Research and Data Acquisition	Predicting Exotic Plant Species Locations in Rocky Mountain National Park	9/1/00 - 8/31/02	2864 1419	\$26,500
Ojima,Dennis	Primary PI	Natural Resource Ecology Lab NASA - Natl Aeronautics & Space Admin.	Land-Use Change in Temperature East Asia: Land Cover Changes Impacts on Carbon Fluxes & Land Productivity	8/15/01 - 8/14/04	1940 10746	\$43,225
Ojima,Dennis	Primary PI	Natural Resource Ecology Lab NSF-Biological Sciences	Biological Controls of Terrestrial Carbon Fluxes	9/1/99 - 8/31/03	3596 991200	\$18,600
Pagani,Mark	Primary PI	Natural Resource Ecology Lab NSF - National Science Foundation	Collaborative Research: Reconstruction of Paleogene Alkenone-based Ep Records	8/15/01 - 7/31/02	3300 11856	\$61,809

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Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Parton,William J Baron,Jill	Primary PI Co-PI	Natural Resource Ecology Lab DOI-USGS-Research and Data Acquisition	Long-Term Ecological Measurements in Loch Vale Watershed, Rocky Mountain National Park	4/1/99 - 6/30/02	2804 991405	\$62,000
Parton,William J Baron,Jill	Primary PI Co-PI	Natural Resource Ecology Lab DOI-USGS-Research and Data Acquisition	Responses of Hydrologic & Aquatic Ecosystem Processes to Potential Climate Change	5/1/99 - 4/30/02	2869 991816	\$56,400
Paustian,Keith H	Primary PI	Natural Resource Ecology Lab DOE - US Department of Energy	Ecosystem Controls on C & N Sequestration Following Afforestation of Agricultural Lands	8/15/01 - 8/14/04	3817 2514	\$124,642
Paustian,Keith H	Primary PI	Natural Resource Ecology Lab USDA-NRCS-Natural Resources Consvtn Srv	Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation Practice Application for the ...	8/14/01 - 12/31/01	2024	\$55,000
Paustian,Keith H Elliott,Edward T	Primary PI Co-PI	Natural Resource Ecology Lab USDA-NRCS-Natural Resources Consvtn Srv	Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation...	9/30/96 - 6/30/02	2090	\$10,000
Paustian,Keith H Elliott,Edward T	Primary PI Co-PI	Natural Resource Ecology Lab USDA-NRCS-Natural Resources Consvtn Srv	Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation...	9/30/96 - 6/30/02	2090	\$47,000
Paustian,Keith H Eve,Marlen	Primary PI Co-PI	Natural Resource Ecology Lab EPA - Environmental Protection Agency	National Agricultural Soil Carbon Inventory	7/11/01 - 9/30/01	5816 11938	\$10,000
Paustian,Keith H	Primary PI	Natural Resource Ecology Lab Montana State University	Close Coupling of Ecosystem & Economic Models: Adaptation of Central U.S. Agriculture to Climate Change	2/12/01 - 2/11/04	5919 2088	\$580,723
Swift,David M	Primary PI	Natural Resource Ecology Lab University of Northern Colorado	Graduate Teaching Fellows in K-12 Education	6/1/01 - 5/31/04	3425 2087	\$110,000
Theobald,David M Hobbs,N. Thompson	Primary PI Co-PI	Natural Resource Ecology Lab The Nature Conservancy	Incorporating Landscape Context into Conservation Planning: Modeling Threats & Evaluation Actions	9/1/00 - 8/31/02	5564 1481	\$61,362
Wall,Diana H Hunt,H William Parsons,Andrew N	Primary PI Co-PI Co-PI	Natural Resource Ecology Lab NSF-Biological Sciences	Identifying Ecosystem Controls on Biodiversity: a US & UK Project (Collaborative Research)	9/15/98 - 8/31/02	3606	\$116,429
Wall,Diana H Hunt,H William Parsons,Andrew N	Primary PI Co-PI Co-PI	Natural Resource Ecology Lab NSF-Biological Sciences	Identifying Ecosystem Controls on Biodiversity: a US & UK Project (Collaborative Research)	9/15/98 - 8/31/02	3606	\$309,123

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Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Welker,Jeffrey M	Primary PI	Natural Resource Ecology Lab NSF - National Science Foundation	Collaborative Research: Isotopic Characteristics of Precipitation ... 5/1/01 - 8/31/04	3295	\$39,494
Welker,Jeffrey M	Primary PI	Natural Resource Ecology Lab NSF - National Science Foundation	Collaborative Research: Isotopic Characteristics of Precipitation ... 5/1/01 - 8/31/04	3295	\$112,382
Bartlett,Ellsworth T	Primary PI	Rangeland Ecosystem Science DOI-BLM-Bureau of Land Management	Sustainable Rangelands Roundtable 5/9/01 - 9/30/02	4111 <i>11671</i>	\$20,000
Child,R. Dennis	Primary PI	Rangeland Ecosystem Science DOI-BLM-Bureau of Land Management	Vegetation Cover Project - Front Range Center 5/14/00 - 9/30/01	2839	\$38,000
Child,R. Dennis	Primary PI	Rangeland Ecosystem Science USDA-USFS-Rocky Mtn. Rsrch Station - CO	Rangeland Classification on a Short Grass Ecosystem 10/5/99 - 10/4/04	8746	\$64,000
Child,R. Dennis	Primary PI	Rangeland Ecosystem Science USDA-USFS-Rocky Mtn. Rsrch Station - CO	Evaluation of Animal Vegetation Models 9/25/00 - 12/31/02	8768	\$29,980
Child,R. Dennis	Primary PI	Rangeland Ecosystem Science USDA-USFS-Rocky Mtn. Rsrch Station - CO	New Methods to Control Noxious & Alien Weeds 9/28/01 - 1/30/05	8777	\$73,000
Redente,Edward F	Primary PI	Rangeland Ecosystem Science Colorado Department of Natural Resources	Shrub Establishment Study 7/1/01 - 6/30/02	0526	\$20,000
Redente,Edward F	Primary PI	Rangeland Ecosystem Science DOI-NPS-National Park Service	Watershed Restoration in Degraded Pinyon- Juniper Woodlands 10/1/99 - 9/30/02	2802	\$1,500
Rittenhouse,Larry R	Primary PI	Rangeland Ecosystem Science USDA-USFS-Forest Research	Natural Resource Management for Tribal College Science Instructors 8/31/99 - 9/30/04	8748 <i>992190</i>	\$17,000
Roath,L Roy	Primary PI	Rangeland Ecosystem Science Colorado Division of Wildlife	Habitat Management Support in the Colorado Division of Wildlife 10/1/01 - 12/31/01	0531 <i>11865</i>	\$15,536
Trlica,Milton J Jr	Primary PI	Rangeland Ecosystem Science USDA-ARS-Agricultural Research Service	Great Plains Farm & Ranch Management 7/1/00 - 9/30/04	2020	\$74,000
Woodmansee,Robert G	Primary PI	Rangeland Ecosystem Science DOI-BLM-Bureau of Land Management	Implementing On-Line Natural Resource Course Material for Native American Students, Instructors, & Managers 7/31/01 - 8/4/01	4104 <i>11266</i>	\$14,440
Woodmansee,Robert G	Primary PI	Rangeland Ecosystem Science USDA-USFS-Rocky Mtn. Rsrch Station - CO	Assessment of Ground Cover as an Indicator of Rangeland Sustainability 8/30/00 - 5/31/02	8833	\$12,000
<b>Natural Resources Total:</b>					<b>\$12,237,441</b>

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## Natural Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Bamburg,James R	Primary PI	Biochemistry & Molecular Bio Alzheimers Association	Mechanisms of Persistent ADF-actin Rod Formation in Hippocampal Neurons	9/1/01 - 8/31/04	5133 10782	\$80,000
Luger,Karolin	Primary PI	Biochemistry & Molecular Bio Searle Scholars Program	X-Ray Crystallographic Studies on Transcription Factor Binding in a Nucleosomal Context	7/1/99 - 6/30/02	5539 990601	\$60,000
Luger,Karolin	Primary PI	Biochemistry & Molecular Bio HHS-PHS-Biophysics & Physiological Sci.	Structure of Nucleosomes Containing Variant Histones	8/1/00 - 7/31/05	7845 579	\$212,186
Summers,Scott A	Primary PI	Biochemistry & Molecular Bio American Diabetes Association, Inc.	The Role of Sphingolipids in Signal Transduction	7/1/00 - 6/30/04	5550 1217	\$99,955
Summers,Scott A	Primary PI	Biochemistry & Molecular Bio HHS-NIH-National Institutes of Health	The Role of Sphingolipids in Insulin Signal Transduction	8/15/01 - 7/31/05	7871 1219	\$242,137
Herbers,Joan M	Primary PI	Biology NSF - National Science Foundation	Coevolution Between Slavemaking Ants & Their Hosts	8/1/01 - 7/31/04	3294 10786	\$318,928
Mykles,Donald L	Primary PI	Biology HHS-NIH-Arthr., Musclesk. & Skin Disord.	Muscle Fiber Type Switching in the Lobster Claw	9/1/00 - 8/31/03	7944 972	\$41,996
Packard,Gary C Packard,Mary Johnson	Primary PI Co-PI	Biology NSF - National Science Foundation	The Ecological Physiology of a Supercooled Vertebrate	8/1/01 - 7/31/04	3278 10929	\$330,070
Pilon-Smits,Elizabeth A.	Primary PI	Biology NSF-Biological Sciences	CAREER: Genetic Engineering Approaches for the in Vivo Study of Plant Metabolism of Selenium & Other Oxyanions	3/15/00 - 2/28/04	3027	\$35,000
Pilon-Smits,Elizabeth A.	Primary PI	Biology NSF-Biological Sciences	CAREER: Genetic Engineering Approaches for the in Vivo Study of Plant Metabolism of Selenium & Other Oxyanions	3/15/00 - 2/28/04	3217	\$30,797
Poff,N. Leroy	Primary PI	Biology The Nature Conservancy	Mechanisms of Tamarisk Dominance in Western Riparian Ecosystems	8/15/99 - 8/14/02	5054	\$65,568
Reddy,Anireddy S N	Primary PI	Biology DOE - US Department of Energy	Functional Analysis of Novel Serine/Arginine- rich Proteins That Interact with U1-70K Protein in pre-mRNA Slicing	9/1/01 - 8/31/04	3825 2363	\$191,000
Bernstein,Elliot R	Primary PI	Chemistry DOE - US Department of Energy	Interactions of Neutral Vanadium Oxide & Titanium Oxide Clusters with Sulfur Dioxide, Nitrogen Oxides & Water	9/1/01 - 10/31/04	3826 242	\$130,000

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## Natural Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Chen,Eugene Y	Primary PI	Chemistrv American Chemical Society	Anionic Polymerization of Polar Vinyl Monomers Using Metallocenium Ion-Pairs	9/1/01 - 8/31/03	5111 10901	\$25,000
Crans,Debbie C	Primary PI	Chemistrv HHS-NIH-National Institutes of Health	Chemistry Biology of Insulin-like Vanadium Compounds	4/1/89 - 6/30/04	7843 770	\$328,563
Dorhout,Peter K	Primary PI	Chemistrv NSF-MPS-Mathematical & Physical Sciences	Synthesis & Characterization of New Rare-Earth Metal-Transition Metal Materials	6/1/00 - 5/31/03	3118 1082	\$114,458
Elliott,C Michael	Primary PI	Chemistrv NSF - National Science Foundation	ITR/SY (MPS): Molecular-Based Optical Detection of Weak Magnetic Fields	9/1/01 - 8/31/04	3101 10946	\$498,598
Fisher,Ellen R Chandler,John P	Primary PI Co-PI	Chemistrv NSF - National Science Foundation	Acquisition of an Integrated Scanning Electron Microscope System	9/1/01 - 8/31/02	3006 10976	\$300,000
Fisher,Ellen R Dorhout,Peter K	Primary PI Co-PI	Chemistrv DOE-Basic Energy Sci / Univ & Sci Educ	Nanostructured Assemblies of Thermoelectric Composite Materials	9/15/99 - 9/14/02	3800 991952	\$100,000
Greenberg,Marc M	Primary PI	Chemistrv Harvard University	Specificity Of DNA Repair for Oxidized Abasic Sites	5/1/01 - 4/30/02	7514 992509	\$33,603
Parkinson,Bruce Alan	Primary PI	Chemistrv NSF - National Science Foundation	Fundamental Studies of Novel Inorganic Fullerenes	9/1/01 - 8/31/02	3303 10510	\$156,467
Parkinson,Bruce Alan	Primary PI	Chemistrv DOE-Oakridge Operations Office	Studies of High Quantum Yield Sensitization Processes at Semiconductor Electrodes	4/1/96 - 7/31/02	3811	\$123,797
Shi,Yian	Primary PI	Chemistrv NSF-MPS-Mathematical & Physical Sciences	CAREER: Exploring New Reactive Species for Cyclopropanation	1/1/99 - 12/31/01	3561 990079	\$150,000
Shi,Yian	Primary PI	Chemistrv HHS-PHS-Pharmacology & Biorelated Chem	Asymmetric Epoxidation of Olefins by Chiral Dioxiranes	8/1/99 - 7/31/03	7664 990558	\$231,881
Szamel,Grzegorz	Primary PI	Chemistrv NSF - National Science Foundation	Statistical Mechanics of Supercooled Liquids & the Glass Transition	8/15/01 - 7/31/04	3297 10897	\$306,000
Williams,Robert M	Primary PI	Chemistrv Boehringer Ingelheim Pharmaceuticals	Synthesis of TMC-95A Analogs	6/1/01 - 5/31/02	6146 11937	\$57,674
Andrews,Anneliese A	Primary PI	Comnuter Science CCHE-Commission on Higher Education	FY02 CASI Program Plan	7/1/01 - 6/30/02	0183 992224	\$182,355
Draper,Bruce	Primary PI	Comnuter Science DOD - US Department of Defense	Modeling the Ventral Visual Pathway: Abiomimetic Approach to Object Recognition	9/10/01 - 9/9/03	7305 11506	\$110,658

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## Natural Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
France,Robert Ghosh,Sudipto Turk,Daniel E	Primary PI Co-PI Co-PI	Computer Science CASI-Colorado Advanced Software Inst.	An Architectural Approach to Reuse of Business & System Models	7/1/01 - 8/31/02	0186 10884	\$86,000
Whitley,L Darrell	Primary PI	Computer Science NSF - National Science Foundation	Adaptive Representations for Genetic Algorithms & Local Search	9/15/01 - 8/31/04	3007 11067	\$93,780
Whitley,L Darrell Draper,Bruce Howe,Adele	Primary PI Co-PI Co-PI	Computer Science TRW, Inc.	Adaptive Intelligent Methods for Distributed Learning & Data Mining	5/5/00 - 12/31/01	6089 1973	\$18,467
Sneider,Thomas W	Primary PI	Dean Of Natural Sciences Arnold & Mabel Beckman Foundation	Beckman Scholars Program - Undergraduate Research	9/1/01 - 8/31/03	5424 10444	\$52,800
Estep,Donald J	Primary PI	Mathematics NSF - National Science Foundation	Computational Error Estimation & Adaptive Error Control for Multiscaled Differential Equations	8/15/01 - 7/31/04	3301 10785	\$152,000
Kirby,Michael J	Primary PI	Mathematics USDA-USFS-Rocky Mtn. Rsrch Station - CO	Assess Utility of Wavelet Analysis for Detecting & Characterizing Landscape-Scale Patterns of Forest Disturbance	7/30/01 - 6/1/02	8882 11844	\$11,000
Mueller,Jennifer L	Primary PI	Mathematics NSF - National Science Foundation	A Direct Reconstruction Algorithm for the 2-D Inverse Conductivity Problem	9/1/01 - 8/31/04	3305 10427	\$81,029
Lundeen,Stephen R	Primary PI	Physics DOE-Basic Energy Sci / Univ & Sci Educ	Ion/Excited-Atom Collision Studies with a Rydberg Target & a CO2 Laser	9/1/96 - 8/31/02	3812	\$72,753
Lundeen,Stephen R	Primary PI	Physics DOE-Basic Energy Sci / Univ & Sci Educ	Ion/Excited-Atom Collision Studies with a Rydberg Target & a CO2 Laser - OFF CAMPUS	9/1/96 - 8/31/02	3814	\$47,265
Patton,Carl E	Primary PI	Physics NATO-North Atlantic Treaty Organization	Nonlinear Dynamics in Magnetic Thin Films - Wave Interactions, Microwave Envelope Solitons, & Bistability	8/15/01 - 8/15/03	5767 11210	\$7,000
Patton,Carl E	Primary PI	Physics APC-Academy of Applied Science	Research & Engineering Apprenticeship Program	5/1/91 - 5/31/02	6610	\$7,500
She,Chiaoyao Krueger,David A	Primary PI Co-PI	Physics NSF - National Science Foundation	Mesopause Observation: One Solar Cycle Research Experience for Undergraduates	1/1/01 - 12/31/05	3292 2021	\$10,000

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## Natural Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Sites,James R	Primary PI	Physics Midwest Research Institute - NREL	9/1/01 - 8/31/04	3900 11253	\$53,000
Sites,James R	Primary PI	Physics CRDF Civilian Rsrch & Dvlpmt Foundation	9/1/01 - 3/30/03	5765 11088	\$7,000
Beauvais,Frederick	Primary PI	Psychology HHS-PHS-Drug Abuse Research Programs	9/1/83 - 8/31/05	4526 636	\$368,627
Beauvais,Frederick	Primary PI	Psychology HHS-NIH-National Institutes of Health	9/21/00 - 9/29/03	4532 2696	\$86,572
Beauvais,Frederick	Primary PI	Psychology HHS-PHS-Drug Abuse Research Programs	9/1/83 - 8/31/05	4539 636	\$26,440
Hamilton,Scott B Chavez,Ernest L	Primary PI Co-PI	Psychology CCHE-Commission on Higher Education	7/1/01 - 6/30/02	0187	\$140,000
Rosen,Lee A	Primary PI	Psychology Poudre School District R-1	9/1/91 - 6/30/02	5625	\$59,000
Swaim,Randall C Kelly,Kathleen J	Primary PI Co-PI	Psychology HHS-PHS-Drug Abuse Research Programs	9/30/00 - 8/31/03	4533 1971	\$290,000
Davis,Richard A	Primary PI	Statistics USDA-USFS-Rocky Mtn. Rsrch Station - CO	9/6/99 - 10/30/02	8861	\$15,000
Hoeting,Jennifer A Davis,Richard A	Primary PI Co-PI	Statistics USDA-ARS-Agricultural Research Service	9/21/01 - 8/31/06	2119	\$26,900
Hoeting,Jennifer A Davis,Richard A	Primary PI Co-PI	Statistics USDA-ARS-Agricultural Research Service	9/21/01 - 8/31/06	2119	\$25,640
Iyer,Hariharan K	Primary PI	Statistics DOI-NPS-National Park Service	9/1/00 - 8/31/02	2878 2537	\$73,337
<b>Natural Sciences Total:</b>					<b>\$6,367,801</b>

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Awards Received includes all new and incremental funding toward a new or existing project.

## Vet. Medicine & Biomedical Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Beam,Kurt G	Primary PI	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	Regulation of Membrane Excitability 5/1/99 - 7/31/06	4550	\$362,500
Beam,Kurt G Wilkins,Christina M	Primary PI Co-PI	Anatomy & Neurobiology HHS-NIH-NIMH-Nat Inst of Mental Health	Structures Involved in Calcium Channel Gating 9/29/99 - 9/28/02	4905 990961	\$21,428
Kinnamon,Sue C	Primary PI	Anatomy & Neurobiology University of Colorado Health Sci Ctr	Rocky Mountain Taste & Smell Center 4/1/01 - 3/31/02	4326	\$145,084
Magnusson,Kathy	Primary PI	Anatomy & Neurobiology HHS-PHS-Aging Research	Subunit Changes in Aging NMDA Receptors Affect Memory 9/30/99 - 7/31/03	4503 980153	\$191,110
McConnell,Sherry Schoenfeld,Regina M Whalen,Lawrence Ray	Primary PI Co-PI Co-PI	Anatomy & Neurobiology USDA-CSREES-Coop State Rsrch Edu & Ext	Virtual Farm Animal Anatomy 9/1/01 - 8/31/04	1483 11255	\$99,245
Partin,Kathryn M	Primary PI	Anatomy & Neurobiology HHS-NIH-Center for Scientific Review	Glutamate Receptor Desensitization & Its Modulation 9/21/01 - 7/31/06	4434 10385	\$238,633
Pickard,Gary E Dudek,F Edward	Primary PI Co-PI	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	5HT Presynaptic Inhibition of Retinal Input to the Hypothalamic Suprachiasmatic Nucleus 8/21/97 - 6/30/04	4323	\$362,500
Rash,John E	Primary PI	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	Aquaporin Water Channels in Brain & Spinal Cord 8/6/99 - 7/31/03	4508 980213	\$292,540
Frisbie,David D	Primary PI	Clinical Sciences Morris Animal Foundation	Novel Methods for Diagnosis & Gene Transfer for Treatment of Impaired Fracture Healing 10/1/00 - 9/30/02	5404 1916	\$55,429
Frisbie,David D	Primary PI	Clinical Sciences Medical Research Council of Canada	Healing of Full Thickness Chondral Defects with Arthroscopic Subchondral Bone Plate Microfracture using IGF-1... 5/1/00 - 3/31/03	5718 2479	\$7,401
Frisbie,David D McIlwraith,C Wayne	Primary PI Collaborator	Clinical Sciences Mitek	Autologous Chondrocyte Transplantation via a Collagen Membrane - 7000.002 9/28/01 - 9/27/02	8201 12236	\$496,254
Frisbie,David D	Primary PI	Clinical Sciences Mitek	A Pilot Study Assessing the Feasibility of Staple Fixation of A3-D Cartilage Construct-7000.001 3/5/01 - 5/4/02	8247 10994	\$3,024
Mccue,Patrick M	Primary PI	Clinical Sciences DOI-USGS-Geological Survey	A Comparison of Contraceptive Agents in the Domestic Mare 8/1/01 - 12/30/04	1862 11881	\$47,000

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Awards Received includes all new and incremental funding toward a new or existing project.

## Vet. Medicine & Biomedical Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Mueller,Ralf S Avery,Anne C Bettenay,Sonya V.T Rosychuk,Rod A W	Primary PI Co-PI Collaborator Collaborator	Clinical Sciences Morris Animal Foundation	Conventional & Rush Immunotherapy in Canine Atopic Dermatitis	9/1/01 - 2/28/04	5263 11379	\$17,386
Nelson,Albert W	Primary PI	Clinical Sciences DOC-NOAA-Natl Oceanic & Atmospheric Admn	A Study to Evaluate Transmitter Implant Methodology	7/1/01 - 6/30/03	1285 11380	\$331,444
Turner,Anthony Simon	Primary PI	Clinical Sciences Hospital for Special Surgery	Meniscal Allograft Transplantation in The Sheep Knee: Evaluation of Early Markers for Degenerative Change & ...	10/1/01 - 7/31/03	5136 12265	\$39,743
Turner,Anthony Simon	Primary PI	Clinical Sciences Sofamor-Danek	Evaluation of the Use of rhBMP-2 with Upright Cages & Posterior Instrumentation: A Study in Sheep	6/1/99 - 12/31/01	6388	\$10,264
Turner,Anthony Simon	Primary PI	Clinical Sciences Stryker Biotech	Vertebroplasty in Ovariectomized-Calcium- Deficient Sheep	6/4/01 - 3/1/03	8249 11417	\$87,381
Turner,Anthony Simon	Primary PI	Clinical Sciences Medtronic, Inc.	Evaluation of Threaded Composite Interbody Spine Implants Using Autograft & BMP-II: A Study in Sheep (Phase 5)	7/1/01 - 6/30/02	8253 11637	\$44,200
Andersen,Melvin E	Primary PI	Environmental Health American Chemistry Council	Non-Linear Dose Response Relationships for Developmental Responses: An Example with Defeminization by ...	8/21/01 - 8/16/04	5124 2289	\$597,672
Andersen,Melvin E	Primary PI	Environmental Health Chemical Manufacturers Association (CMA)	Biologically Based Dose Response Modeling for Non-Linear & Threshold Effects with Receptor-Mediated Processes	8/1/00 - 7/31/03	5585 517	\$402
Andersen,Melvin E Handa,Robert J	Primary PI Collaborator	Environmental Health Syngenta	Is Hypothalamic Anti-estrogenicity Involved in the Early Onset Reproductive Sencecence Caused by Atrazine in Female ...	10/8/01 - 9/30/02	6039 10801	\$138,808
Andersen,Melvin E Yang,Raymond S H	Primary PI Collaborator	Environmental Health HHS-NIH-Center for Scientific Review	Applying Chemical Engineering Concepts to Toxicology	9/30/01 - 9/29/03	7904 11288	\$36,992
Burch,James B Reif,John S	Primary PI Co-PI	Environmental Health University of Washington	RF Exposure & Melatonin Levels in Heat Sealer Workers	8/1/01 - 5/31/02	7509 11284	\$147,681
Salman,M D Traub-Dargatz,Josie L	Primary PI Co-PI	Environmental Health DOI-BLM-Bureau of Land Management	Preliminary Study of the Respiratory Disease Status of Wild Horses & Burros	7/30/01 - 7/30/06	1798 10655	\$89,785

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\*\*Inter-departmental Project

Awards Received - 36



## Vet. Medicine & Biomedical Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Salman,M D	Primary PI Environmental Health USDA - US Department of Agriculture	Molecular Epidemiology of Vesicular Stomatitis Virus	9/29/00 - 7/5/05	2065 10344	\$10,000
Salman,M D	Primary PI Environmental Health USDA-APHIS-Animal Plant Health Insp Srvc	Support in the Design & Implementation of the National Scrapie Program	9/28/01 - 9/27/02	2086 12287	\$30,010
Salman,M D	Primary PI Environmental Health USDA-APHIS-Animal Plant Health Insp Srvc	Development of Oral Vaccines to Control Brucellosis & Tuberculosis in Wild Ungulates	9/28/01 - 9/27/02	2093 12346	\$75,000
Salman,M D	Primary PI Environmental Health USDA - US Department of Agriculture	Enhancement of Approaches for Risk Analysis & Trade for Animal Health Issues	7/1/01 - 6/30/02	2179 2352	\$97,000
Salman,M D	Primary PI Environmental Health USDA-APHIS-Animal Plant Health Insp Srvc	Participation in National Surveillance & Survey Systems: Design, Analysis, & Interpretation	7/15/00 - 6/30/02	2180 2685	\$31,000
Salman,M D	Primary PI Environmental Health USDA - US Department of Agriculture	Serologic & Molecular Approach for the Diagnosis of Tuberculosis in Cattle & Cervidae	7/1/01 - 6/30/02	2182 11289	\$74,489
Yang,Raymond S H	Primary PI Environmental Health HHS-NIH-Toxicological Research	Developing a Predictive Strategy for Chemical Mixtures	8/15/98 - 7/31/03	7601 980127	\$285,350
Yang,Raymond S H	Primary PI Environmental Health HHS-NIH-Toxicological Research	Developing a Predictive Strategy for Chemical Mixtures (minority supplement D. Perez)	8/15/98 - 7/31/03	7660 980127	\$29,680
Beaty,Barry J	Primary PI Microbiology HHS-CDC-Centers for Disease Control	Trafficking Potential of West Nile Virus into Mexico	9/30/01 - 9/29/04	4457 11779	\$211,000
Beaty,Barry J	Primary PI Microbiology HHS-DRR-Fogarty International Center	Training in Molecular Determinates of Dengue Epidemic Potential	7/1/99 - 6/30/04	4551 990449	\$100,000
Beaty,Barry J	Primary PI Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	Molecular Determinants of Dengue Epidemic Potential	9/30/99 - 8/31/04	4552 990466	\$342,495
Beaty,Barry J	Primary PI Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	Molecular Determinants of Dengue Epidemic Potential	9/30/99 - 8/31/04	4553 11535	\$128,621
Beaty,Barry J	Primary PI Microbiology MacArthur Foundation	MacArthur Course: Biology of Disease Vectors	7/1/90 - 12/31/01	5205	\$5,103
Brennan,Patrick Joseph	Primary PI Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	Cell Wall of M. Tuberculosis; Focus for Drug Discovery-Project 1 & Core A	9/30/99 - 8/31/03	4510	\$382,225
Brennan,Patrick Joseph	Primary PI Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	Leprosy Research Support & Maintenance of an Armadillo Colony: Part I: Leprosy Research..	6/30/95 - 6/29/02	4625	\$436,471

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## Vet. Medicine & Biomedical Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Cooper,Andrea M	Primary PI Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	Immunopathogenesis of Mycobacterium Avium Disease	9/1/97 - 8/31/02	4459	\$259,612
Crick,Dean C	Primary PI Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	Cell Wall of M. Tuberculosis; Focus for Drug Discovery-Project 3	9/30/99 - 8/31/03	4511	\$150,051
Mcneil,Michael R	Primary PI Microbiology University of Arizona	Structural Analysis of the Cryptosporidium Parvum Glycoprotein Attachment & Invasion Ligand of CSL	12/15/00 - 12/14/01	1381 1179	\$7,802
Mcneil,Michael R	Primary PI Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	Cell Wall of M. Tuberculosis; Focus for Drug Discovery-Project 4	9/30/99 - 8/31/03	4512	\$190,062
Mcneil,Michael R	Primary PI Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	Cell Wall Biogenesis--Target for New Anti-TB Drugs	9/30/92 - 8/31/02	4603	\$318,807
Orme,Ian M	Primary PI Microbiology Case Western Reserve University	Mycobacterium Tuberculosis Infection in the Lung	7/15/01 - 5/31/02	4335 1559	\$113,443
Orme,Ian M Frank,Anthony A	Primary PI Co-PI Microbiology HHS-NIH-National Institutes of Health	Animal Model Testing of Tuberculosis Drugs	9/30/99 - 9/29/06	4513 990882	\$459,830
Schweizer,Herbert P	Primary PI Microbiology HHS-PHS-Biophysics & Physiological Sci.	Pseudomonas Autoinducer Biosynthesis & Drug Discovery	8/1/98 - 7/31/02	4485	\$215,761
Wilcox,Christine L Hunsperger,Elizabeth A	Primary PI Co-PI Microbiology HHS-PHS-Biol Basis Research in Neurosci	Neuronal Apoptosis Signaling in HSV-1 Reactivation	8/1/00 - 7/31/03	4913 834	\$22,245
Wilcox,Christine L	Primary PI Microbiology Gemin X Biotechnologies Inc.	Effects of Treatment with GX015 on Herpes Simplex Virus type 1 (HSV-1) Infection in Neurons	9/20/01 - 9/20/02	6029 12075	\$15,225
Akkina,Ramesh K	Primary PI Pathology HHS-NIH-National Institutes of Health	Modeling RNA-based HIV Gene Therapeutics in SCID-hu Mice	9/15/01 - 8/31/02	4404 10149	\$290,000
Benjamin,Stephen A Painter,J. Todd	Primary PI Co-PI Pathology HHS-NIH-Bio Resp to Env Health Hazards	Progression of Hepatic Neoplasia by PCB/Arsenic Mixtures	8/21/00 - 7/31/05	4528 477	\$98,997
Demartini,James C	Primary PI Pathology HHS-NIH-NCI-National Cancer Institute	The Role of JSRV in Ovine Pulmonary Carcinoma	3/1/93 - 5/31/02	4496	\$74,308
Hoover,Edward A	Primary PI Pathology The Scripps Research Institute	Molecular Analysis of a Highly Pathogenic FIV	7/1/00 - 6/30/02	4328 1117	\$145,000

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## Vet. Medicine & Biomedical Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Hoover,Edward A	Primary PI University of Kentucky	Pathology Transgenetic Studies of Prion Disease in Cervids	8/1/01 - 7/31/02	4334 475	\$50,000
Hoover,Edward A	Primary PI HHS-PHS-AID-Microbio & Infectious Dis Re	Pathology A Model of new variant Creutzfeldt-Jakob (nvCJD) & Lymphoid Pathogenesis in Transmissible Spongiform Encephalopathies...	9/15/00 - 8/31/04	4406 992173	\$253,750
Hoover,Edward A Sigurdson,Christina J	Primary PI Co-PI HHS-PHS-AID-Microbio & Infectious Dis Re	Pathology CWD: Role of the Lymphoid Tissue Phase in Prion Disease	8/1/00 - 7/31/05	4523 476	\$83,117
Olver,Christine S	Primary PI HHS-PHS-AID-Microbio & Infectious Dis Re	Pathology The Role of the Duffy Glycoprotein in Murine Malaria Infections	8/1/00 - 7/31/03	4524 991225	\$117,342
Smith,Joseph D	Primary PI The Ellison Medical Foundation	Pathology Genome-wide Binding Analysis of the Plasmodium Falciparum Erythrocyte Membrane 1 Family of Cytoadherent Receptors	8/14/01 - 8/14/05	5262 11280	\$50,000
Bowen,Richard A	Primary PI NSF-Biological Sciences	Physiology Ecology of Virus Transmission in Commensural Bat Colonies	9/15/00 - 8/31/02	3144 1668	\$423,884
Bedford,Joel S	Primary PI DOE - US Department of Energy	Radiological Health Sciences Genetic Factors Affecting Susceptibility to Low Dose & Low Dose-Rate Radiation Exposure	9/15/01 - 9/14/06	3827 11543	\$230,148
Bedford,Joel S	Primary PI HHS-PHS-Cancer Research Manpower	Radiological Health Sciences Radiological Sciences Basic to Cancer Research	9/1/76 - 8/31/02	7945	\$274,301
Durham,James S	Primary PI DOE - US Department of Energy	Radiological Health Sciences Development & Demonstration of an Insitu Subsurface Contamination Monitor	9/28/01 - 9/27/02	3829 10974	\$214,088
Okayasu,Ryuichi	Primary PI National Inst. of Radiological Sciences	Radiological Health Sciences Analyses of Chromosome Aberrations in irs-20 cells After Exposure to Arsenite & Radiation	9/1/01 - 3/31/02	5766 11581	\$59,340
Ullrich,Robert L	Primary PI DOE - US Department of Energy	Radiological Health Sciences Genetic Mechanisms of Induced Chromosomal Instability & their Relationships with Radiation Tumorigenesis	9/15/01 - 9/14/06	3828 11545	\$363,889
Ullrich,Robert L	Primary PI HHS-NIH-NCI-National Cancer Institute	Radiological Health Sciences Carcinogenic Interactions of Radiation & Chemicals	3/1/86 - 11/30/02	7863 11090	\$9,068
Ullrich,Robert L	Primary PI HHS-NIH-NCI-National Cancer Institute	Radiological Health Sciences Genomic Instability in High LET Carcinogenesis	9/30/97 - 9/30/02	7864 11087	\$116,151

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**Vet. Medicine & Biomedical Sciences - Awards**

<b>Investigators/Collaborators</b>	<b>Department/Sponsor</b>	<b>Title</b>	<b>Start Date End Date</b>	<b>5-3 Proj # PASS #</b>	<b>Award Amount</b>
Waldren, Charles A	Primary PI Radiological Health Sciences Lankenau Institute for Medical Research	Characterization of a Gene Involved in Mammalian Error-Prone Repair	2/15/01 - 1/31/04	7533 990367	\$79,750
Whicker, F Ward	Primary PI Radiological Health Sciences Univ Chicago/Argonne Univ Assoc-Argn Lab	Technical Support Services for Risk-Related Materials	8/13/01 - 9/30/02	3937 980638	\$54,993
Whicker, F Ward	Primary PI Radiological Health Sciences Univ Chicago/Argonne Univ Assoc-Argn Lab	Technical Support Services for Risk-Related Materials	8/13/01 - 9/30/02	3937 980638	\$74,959
<b>Vet. Medicine &amp; Biomedical Sciences Total:</b>					<b>\$10,918,273</b>

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\*\*Inter-departmental Project

Awards Received - 40

Awards Received includes all new and incremental funding toward a new or existing project.

## Other - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Chapital,Martelle	Primary PI	Academic Advancement Center DE-Student Support Services	Student Support Services 9/1/97 - 8/31/02	4265	\$5,000
Chapital,Martelle	Primary PI	Academic Advancement Center DE-Student Support Services	Student Support Services 9/1/97 - 8/31/02	4265	\$16,027
Iron,Jennifer	Primary PI	Agric Experiment Station University of Vermont	Improve the Effectiveness of CRIS TO CSRES Institutions through Enhanced Microcomputer Processes 5/1/00 - 7/14/02	1364	\$3,000
Sommers, Lee E	Primary PI	Agric Experiment Station USDA-CSREES-Coop State Rsrch Edu & Ext	Agricultural Research 3/1/01 - 9/30/01	2085	\$5,000
Felix,Oscar	Primary PI	Center Educ Access & Outreach DE-Dept of Educa - Upward Bound Program	Colorado State University Upward Bound Program 6/1/99 - 5/31/03	4217 990354	\$3,803
Ward,Robert C Garcia,Luis	Primary PI Co-PI	Color Water Resources Res Inst Various "Non-Profit" Sponsors	Developing a Decision Support System for the South Platte Basin 3/1/97 - 12/31/01	5153	\$6,000
Allredge,Jerry K	Primary PI	Cooperative Extension Potato Administration of Colorado	Potato Cultivar Development for Northern Colorado 7/1/01 - 6/30/02	8334	\$2,000
Cerbana-Whaley,Christin	Primary PI	Cooperative Extension Red Rocks Community College	Partners in Parenting 7/1/01 - 6/30/02	5110 1553	\$58,415
Donley,Vanessa	Primary PI	Cooperative Extension Auburn University	USDA/Army School-Age & Teen Project 10/1/01 - 9/30/02	1310	\$88,087
Nye,Kipp A	Primary PI	Cooperative Extension Colorado Department of Agriculture	Cooperative Weed Solutions 5/15/01 - 12/31/01	0495 10836	\$4,250
Sharp,Rodney L	Primary PI	Cooperative Extension Texas A & M	Entrepreneurial Agriculture & Forestry 5/1/01 - 8/31/01	1378	\$5,000
Wilson,Carl R	Primary PI	Cooperative Extension Colorado Department of Agriculture	Green Industry Integrated Weed Management Poster & Training 6/1/01 - 12/31/01	0494	\$10,350
Zamora-Van Sice,Rebecc	Primary PI	Cooperative Extension Mesa County Colorado	Child Care Resource & Referral - Professional Development 7/1/01 - 6/30/02	5120	\$8,715
Zamora-Van Sice,Rebecc	Primary PI	Cooperative Extension Mesa County Colorado	Child Care Resource & Referral - Child Care Training 7/1/01 - 6/30/02	5125	\$7,992

\*Managed Sponsor

\*\*Inter-departmental Project

Awards Received includes all new and incremental funding toward a new or existing project.

## Other - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Fry,James L Baker,Myron C	Primary PI Co-PI	Graduate School NSF-EHR-Education & Human Resources	Graduate Research Fellowship for David Gammon	6/1/00 - 8/31/02	3084	\$28,500
Fry,James L Moore,Janice K	Primary PI Co-PI	Graduate School NSF-EHR-Education & Human Resources	Graduate Research Fellowship for Meghan Gannon	6/1/00 - 8/31/02	3085	\$28,500
Fry,James L Cotton,William R	Primary PI Co-PI	Graduate School NSF-EHR-Education & Human Resources	Graduate Research Fellowship for Israel Jirak	8/16/00 - 8/31/02	3095	\$28,500
Fry,James L	Primary PI	Graduate School NSF-EHR-Education & Human Resources	Graduate Research Fellowship Program National Science Foundation - John Bradford	9/1/97 - 8/31/02	3605	\$28,500
Fry,James L	Primary PI	Graduate School NSF-EHR-Education & Human Resources	Graduate Research Fellowship Program Lisa Savage	8/1/99 - 8/31/02	3607	\$28,500
Child,R. Dennis	Primary PI	Graduate School NSF-EHR-Education & Human Resources	Graduate Research Fellowship Program - Elizabeth Gray	9/1/97 - 8/31/02	3612	\$28,500
Fry,James L Baker,Myron C	Primary PI Co-PI	Graduate School NSF-EHR-Education & Human Resources	Graduate Research Fellowship for Allison Kirkpatrick	9/1/01 - 8/31/02	3613	\$24,500
Fry,James L	Primary PI	Graduate School NSF-EHR-Education & Human Resources	Graduate Research Fellowship Program Holding Account	9/1/01 - 8/31/02	3614	\$32,500
Wilcox,Anne M	Primary PI	Graduate School DE-Ronald E McNair Post-Baccal Achieve	Ronald E. McNair Post Baccalaureate Achievement Program	10/1/99 - 9/30/04	4216 990363	\$228,482
Bookin-Weiner,Jerome B	Primary PI	International Programs Middlesex University	International Memorandum of Understanding Between Middlesex University & Colorado State University	7/1/01 - 6/30/04	5762	\$108,924
Denney,Martha Annette	Primary PI	International Programs Action/Peace Corps	Peace Corps Strategy Contract 2001-2002	7/20/01 - 8/14/02	9610 11907	\$18,013
Dillon,Merlin A	Primary PI	San Luis Vallev Research Ctr Potato Administration of Colorado	Biocontrol Crops to Enhance Potato Production	7/1/98 - 6/30/02	8327	\$5,000
Holm,David G	Primary PI	San Luis Vallev Research Ctr San Luis Valley Research Ctr. Committee	Scientific Services - Fernanda Popiel	7/1/00 - 6/30/02	6082	\$34,540
Holm,David G	Primary PI	San Luis Vallev Research Ctr Potato Administration of Colorado	Potato Breeding & Selection	7/1/97 - 6/30/02	8320	\$25,000

\*Managed Sponsor

\*\*Inter-departmental Project

Awards Received includes all new and incremental funding toward a new or existing project.

**Other - Awards**

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Holm,David G	Primary PI San Luis Valley Research Ctr Potato Administration of Colorado	Potato Cultivar Development for Northern Colorado	7/1/97 - 6/30/02	8336	\$2,500
Thompson,Asunta L	Primary PI San Luis Valley Research Ctr Potato Administration of Colorado	Cultural & Physiological Studies	7/1/97 - 6/30/02	8325	\$12,000
Zink,Richard T	Primary PI San Luis Valley Research Ctr Potato Administration of Colorado	Fungicide Screening & Evaluation Trials	7/1/97 - 6/30/02	8328	\$25,000
Zink,Richard T	Primary PI San Luis Valley Research Ctr Potato Administration of Colorado	Utilization of Compost in San Luis Valley Crops	7/1/01 - 6/30/02	8341	\$5,000
Zink,Richard T	Primary PI San Luis Valley Research Ctr Potato Administration of Colorado	Biology & Management of Columbia Root-knot Nematodes	7/1/01 - 6/30/02	8342	\$18,000
Cleary,Cindy A	Primary PI Service Learning & Voluntr Pgm Corporation for National & Community Srv	Mobilizing Across the Curriculum	8/1/00 - 7/30/03	1003 1281	\$139,955
Felix,Oscar	Primary PI Talent Search Program DE-Department of Education Talent Search	University Talent Search	9/1/98 - 8/31/02	4266	\$10,000
Hopkins,Donn	Primary PI University Police Colorado Association of Chiefs of Police	Marijuana Eradication Grant	8/1/98 - 7/31/02	5614	\$1,000
Pearson,Calvin H	Primary PI Western Colorado Research Ctr DOI-Bureau of Reclamation	Applying Pam to Control Soil Erosion in Furrows in Western Colorado	6/5/98 - 12/31/01	2910	\$17,500
Zimmerman,Rick J	Primary PI Western Colorado Research Ctr Colorado West Sweet Corn Committee	Trapping Program for European Corn Borer, Ostrinia Nubialis, in Western Colorado Sweet Corn	5/15/99 - 12/31/01	5011	\$5,889
				<b>Other Total:</b>	<b>\$1,108,442</b>

\*Managed Sponsor

\*\*Inter-departmental Project

Awards Received includes all new and incremental funding toward a new or existing project.

**Section VI**  
**Inter-departmental Projects**



## Inter-departmental Proposals Submitted July 1, 2001 - September 30, 2001\*

Sorted by Primary PI

Key Number	Primary PI	Administering Department	Sponsor	Total
02335901	Bell,Paul A	Dean Of Applied Human Sciences	HHS-ADA-Administration on Aging	\$448,816.00
02344401	Black,Anne E	Fish & Wildlife Biology	DOI-BLM-Bureau of Land Management	\$20,868.00
02327701	Curthoys,Norman P	Biochemistry & Molecular Bio	American Heart Association	\$200,000.00
02324001	Elliott,C Michael	Chemistry	NSF - National Science Foundation	\$429,998.00
02331701	Garcia,Luis	Civil Engineering	DOE - US Department of Energy	\$255,346.00
02336401	Gloeckner,Gene	School Of Education	NSF - National Science Foundation	\$303,076.00
02358301	Grigg,Neil S	Civil Engineering	NSF - National Science Foundation	\$293,315.00
02328201	Haley,Scott D	Soil & Crop Sciences	BASF Corporation	\$20,590.00
02355301	Hanneman,William H	Environmental Health	EPA - Environmental Protection Agency	\$730,215.00
02344501	Heyliger,Paul R	Civil Engineering	NSF - National Science Foundation	\$299,898.00
02337001	Heyliger,Paul R	Civil Engineering	DOD-ARPA-Advanced Research Proj. Agen	\$264,029.00
02357401	Hittle,Douglas C	Mechanical Engineering	NSF - National Science Foundation	\$852,206.00
02331201	Hochheimer,Hans D	Physics	NSF - National Science Foundation	\$682,657.00
02324201	Linden,James C	Chemical & Biores Engineering	NSF - National Science Foundation	\$398,569.00
02330501	Loftis,Jim C	Civil Engineering	USDA-CSREES-Coop State Rsrch Edu & Ex	\$207,000.00
02355801	Medford,June I	Biology	NSF - National Science Foundation	\$1,005,703.00
02328301	Medford,June I	Biology	NSF - National Science Foundation	\$420,143.00
02361001	Pott,Wendy A	Environmental Health	HHS-NIH-NCI-National Cancer Institute	\$673,314.00
02323301	Randall,David A	Atmospheric Science	NSF - National Science Foundation	\$518,287.00
02323601	Salman,M D	Environmental Health	HHS-FDA-Food & Drug Administration	\$119,834.00
02352601	Smith,Charles A.P	Computer Information Svstems	DOD-ARPA-Advanced Research Proj. Agen	\$442,067.00
02361101	Traub-Dargatz,Josie L	Clinical Sciences	Gravson-Jockey Club Research Foundation	\$18,139.00
02337101	Vivanco,Jorge M	Horticulture & Landscape Arch	Cvstic Fibrosis Foundation	\$86,400.00
02350001	Wheeler,Donna	Mechanical Engineering	Strvker Biotech	\$135,555.00
02362301	Wilson,Thomas G	Biology	HHS-NIH-Center for Scientific Review	\$857,234.00

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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).

See the following pages for a detail breakdown

**Inter-departmental Proposals Submitted July 1, 2001 - September 31, 2001\***

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**Agricultural Sciences**

*Animal Sciences*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Environmental Health	HHS-FDA-Food & Drug Administration	Bovine Spongiform Encephalopathy Specified Risk Materials in Meat Products in the United States of America	10/1/01 - 9/30/02	02323601 \$119,834
<i>Investigators/Collaborators:</i>				
Salman,M D	Primary PI	Environmental Health		
Hossner,Kim L	Co-PI	Animal Sciences		
Schmidt,Glenn R	Co-PI	Animal Sciences		

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*Horticulture & Landscape Arch*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Horticulture & Landscape Arch	Cystic Fibrosis Foundation	Rosmarinic Acid : A Potent anti-Pseudomonas aeruginosa Drug	10/1/01 - 9/30/03	02337101 \$86,400
<i>Investigators/Collaborators:</i>				
Vivanco,Jorge M	Primary PI	Horticulture & Landscape Arch		
Schweizer,Herbert P	Co-PI	Microbiology		

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*Soil & Crop Sciences*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Civil Engineering	USDA-CSREES-Coop State Rsrch Edu & Ext	National Needs Graduate Fellowships in Natural Resources	1/1/02 - 12/30/04	02330501 \$207,000
<i>Investigators/Collaborators:</i>				
Loftis,Jim C	Primary PI	Civil Engineering		
Davis,Jessica G	Co-PI	Soil & Crop Sciences		
Soil & Crop Sciences	BASF Corporation	Clearfield Winter Wheat Cultivar Development for Colorado & the Central Great Plains	7/1/01 - 6/30/02	02328201 \$20,590
<i>Investigators/Collaborators:</i>				
Haley,Scott D	Primary PI	Soil & Crop Sciences		
Yu,Liangli	Co-PI	Food Science & Human Nutrition		

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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).

**Inter-departmental Proposals Submitted July 1, 2001 - September 31, 2001\***

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**Applied Human Sciences**

***Food Science & Human Nutrition***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Soil & Crop Sciences	BASF Corporation	Clearfield Winter Wheat Cultivar Development for Colorado & the Central Great Plains	7/1/01 - 6/30/02	02328201 \$20,590
<b><i>Investigators/Collaborators:</i></b>				
Haley, Scott D	Primary PI	Soil & Crop Sciences		
Yu, Liangli	Co-PI	Food Science & Human Nutrition		

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***Human Dev & Family Studies***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Dean Of Applied Human Sciences	HHS-ADA-Administration on Aging	Establishing Elder Care Networks & Training Savvy Caregivers in Rural Areas	1/1/02 - 12/31/04	02335901 \$448,816
<b><i>Investigators/Collaborators:</i></b>				
Bell, Paul A	Primary PI	Psychology		
Barber, Clifton E	Collaborator	Human Dev & Family Studies		

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***School Of Education***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
School Of Education	NSF - National Science Foundation	Hydro-Education Laboratory	6/1/02 - 5/31/06	02336401 \$303,076
<b><i>Investigators/Collaborators:</i></b>				
Gloeckner, Gene	Primary PI	School Of Education		

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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).

**Inter-departmental Proposals Submitted July 1, 2001 - September 31, 2001\***

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**Business**

***Computer Information Systems***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Computer Information Systems	DOD-ARPA-Advanced Research Proj. Agency	Multi-Modal Support for Augmented Cognition	10/1/01 - 12/31/02	02352601 \$442,067

***Investigators/Collaborators:***

Smith,Charles A.P	Primary PI	Computer Information Systems
Clegg,Benjamin A	Co-PI	Psychology
Young,Peter	Co-PI	Elec. & Computer Engineering

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**Engineering**

***Atmospheric Science***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Atmospheric Science	NSF - National Science Foundation	The MJO in Nature & in GCMs: An Analysis of Factors Relevant to Its Initiation, Maintenance, & Suppression	10/1/01 - 9/30/04	02323301 \$518,287

***Investigators/Collaborators:***

Randall,David A	Primary PI	Atmospheric Science
Demott,Charlotte A	Co-PI	Atmospheric Science

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***Chemical & Biores Engineering***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Chemistry	NSF - National Science Foundation	Purchase of Magnetochemical Materials Analysis Instrumentation	1/1/02 - 12/31/02	02324001 \$429,998

***Investigators/Collaborators:***

Elliott,C Michael	Primary PI	Chemistry
Belfiore,Laurence A	Co-PI	Chemical & Biores Engineering
Dorhout,Peter K	Co-PI	Chemistry
Meersmann,Thomas	Co-PI	Chemistry
Rithner,Christopher D	Co-PI	Chemistry

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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).

**Inter-departmental Proposals Submitted July 1, 2001 - September 31, 2001\***

**Engineering**

*Civil Engineering*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Civil Engineering	USDA-CSREES-Coop State Rsrch Edu & Ext	National Needs Graduate Fellowships in Natural Resources	1/1/02 - 12/30/04	02330501 \$207,000
<i>Investigators/Collaborators:</i>				
Loftis,Jim C	Primary PI	Civil Engineering		
Davis,Jessica G	Co-PI	Soil & Crop Sciences		
Civil Engineering	DOE - US Department of Energy	Modeling Regional Climate Impacts on Crops & Water Supply	10/1/01 - 9/30/04	02331701 \$255,346
<i>Investigators/Collaborators:</i>				
Garcia,Luis	Primary PI	Civil Engineering		
Ojima,Dennis	Co-PI	Natural Resource Ecology Lab		
Parton,William J	Collaborator	Natural Resource Ecology Lab		
Civil Engineering	DOD-ARPA-Advanced Research Proj. Agency	The Effective Mechanical Properties of Carbon & Inorganic Nanotube Networks	1/1/02 - 12/31/04	02337001 \$264,029
<i>Investigators/Collaborators:</i>				
Heyliger,Paul R	Primary PI	Civil Engineering		
Civil Engineering	NSF - National Science Foundation	Research Experiences for Undergraduates (REU) Site: Studies in Vibration & Sound	5/28/02 - 5/27/05	02344501 \$299,898
<i>Investigators/Collaborators:</i>				
Heyliger,Paul R	Primary PI	Civil Engineering		
Hartnagel,Bryan	Co-PI	Civil Engineering		
Leisure,Robert G	Collaborator	Physics		
Radford,Donald W	Collaborator	Mechanical Engineering		
Civil Engineering	NSF - National Science Foundation	Condition & Security Indicators for Interdependent Infrastructure Systems	1/1/02 - 12/31/05	02358301 \$293,315
<i>Investigators/Collaborators:</i>				
Grigg,Neil S	Primary PI	Civil Engineering		
Vlachos,Evan C	Co-PI	Sociology		

\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).

**Inter-departmental Proposals Submitted July 1, 2001 - September 31, 2001\***

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**Engineering**

***Elec. & Computer Engineering***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Computer Information Systems	DOD-ARPA-Advanced Research Proj. Agency	Multi-Modal Support for Augmented Cognition	10/1/01 - 12/31/02	02352601 \$442,067
<i>Investigators/Collaborators:</i>				
Smith,Charles A.P	Primary PI	Computer Information Systems		
Clegg,Benjamin A	Co-PI	Psychology		
Young,Peter	Co-PI	Elec. & Computer Engineering		
Mechanical Engineering	NSF - National Science Foundation	Robust Recurrent Reinforcement Learning (R3L) Control for Building Energy Systems	5/1/02 - 4/30/05	02357401 \$852,206
<i>Investigators/Collaborators:</i>				
Hittle,Douglas C	Primary PI	Mechanical Engineering		
Anderson,Charles	Co-PI	Computer Science		
Young,Peter	Co-PI	Elec. & Computer Engineering		

***Mechanical Engineering***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Biology	NSF - National Science Foundation	Instrumentation for Producing in vivo Three-Dimensional Genomic-Scale Databases	1/2/02 - 1/1/05	02355801 \$1,005,703
<i>Investigators/Collaborators:</i>				
Medford,June I	Primary PI	Biology		
Alciatore,David	Co-PI	Mechanical Engineering		
Beveridge,J Ross	Co-PI	Computer Science		
Civil Engineering	NSF - National Science Foundation	Research Experiences for Undergraduates (REU) Site: Studies in Vibration & Sound	5/28/02 - 5/27/05	02344501 \$299,898
<i>Investigators/Collaborators:</i>				
Heyliger,Paul R	Primary PI	Civil Engineering		
Hartnagel,Bryan	Co-PI	Civil Engineering		
Leisure,Robert G	Collaborator	Physics		
Radford,Donald W	Collaborator	Mechanical Engineering		

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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).

**Inter-departmental Proposals Submitted July 1, 2001 - September 31, 2001\***

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**Engineering**

***Mechanical Engineering***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Mechanical Engineering	Stryker Biotech	Delivery of osteogenic protein-1 (OP-1) in Enhanced Cement: An Ovine Tibial Osteotomy Study	9/1/01 - 8/30/02	02350001 \$135,555
<i>Investigators/Collaborators:</i>				
Wheeler, Donna	Primary PI	Mechanical Engineering		
Pluhar, G. Elizabeth	Collaborator	Clinical Sciences		
Turner, Anthony Simon	Collaborator	Clinical Sciences		
Mechanical Engineering	NSF - National Science Foundation	Robust Recurrent Reinforcement Learning (R3L) Control for Building Energy Systems	5/1/02 - 4/30/05	02357401 \$852,206
<i>Investigators/Collaborators:</i>				
Hittle, Douglas C	Primary PI	Mechanical Engineering		
Anderson, Charles	Co-PI	Computer Science		
Young, Peter	Co-PI	Elec. & Computer Engineering		

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**Liberal Arts**

***Sociology***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Civil Engineering	NSF - National Science Foundation	Condition & Security Indicators for Interdependent Infrastructure Systems	1/1/02 - 12/31/05	02358301 \$293,315
<i>Investigators/Collaborators:</i>				
Grigg, Neil S	Primary PI	Civil Engineering		
Vlachos, Evan C	Co-PI	Sociology		

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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).

**Inter-departmental Proposals Submitted July 1, 2001 - September 31, 2001\***

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**Natural Resources**

***Fish & Wildlife Biology***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Fish & Wildlife Biology	DOI-BLM-Bureau of Land Management	Sagebrush Mapping Project	9/1/01 - 2/28/02	02344401 \$20,868
<i>Investigators/Collaborators:</i>				
Black, Anne E	Primary PI	Fish & Wildlife Biology		

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***Natural Resource Ecology Lab***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Civil Engineering	DOE - US Department of Energy	Modeling Regional Climate Impacts on Crops & Water Supply	10/1/01 - 9/30/04	02331701 \$255,346
<i>Investigators/Collaborators:</i>				
Garcia, Luis	Primary PI	Civil Engineering		
Ojima, Dennis	Co-PI	Natural Resource Ecology Lab		
Parton, William J	Collaborator	Natural Resource Ecology Lab		

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**Natural Sciences**

***Biochemistry & Molecular Bio***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Biochemistry & Molecular Bio	American Heart Association	Mitochondrial Glutaminase: A Novel Target for Stroke Therapy	1/1/02 - 12/31/03	02327701 \$200,000
<i>Investigators/Collaborators:</i>				
Curthoys, Norman P	Primary PI	Biochemistry & Molecular Bio		
Anderson, Oren P	Co-PI	Chemistry		

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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).



**Inter-departmental Proposals Submitted July 1, 2001 - September 31, 2001\***

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**Natural Sciences**

***Biology***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Biology	NSF - National Science Foundation	Enhancement & Evaluation of a System for In Vivo Imaging of Gene Expression	12/15/01 - 12/14/03	02328301 \$420,143
<i>Investigators/Collaborators:</i>				
Medford,June I	Primary PI	Biology		
Beveridge,J Ross	Co-PI	Computer Science		
Biology	NSF - National Science Foundation	Instrumentation for Producing in vivo Three-Dimensional Genomic-Scale Databases	1/2/02 - 1/1/05	02355801 \$1,005,703
<i>Investigators/Collaborators:</i>				
Medford,June I	Primary PI	Biology		
Alciatore,David	Co-PI	Mechanical Engineering		
Beveridge,J Ross	Co-PI	Computer Science		
Biology	HHS-NIH-Center for Scientific Review	Juvenile Hormone Receptor in Flies & Mosquitoes	4/1/02 - 3/30/06	02362301 \$857,234
<i>Investigators/Collaborators:</i>				
Wilson,Thomas G	Primary PI	Biology		
Chemical & Biores Engineering	NSF - National Science Foundation	Plant Secondary Metabolite Formation Regulated by Ethylene & Methyl Jasmonate	2/2/02 - 2/1/05	02324201 \$398,569
<i>Investigators/Collaborators:</i>				
Linden,James C	Primary PI	Microbiology		
Reddy,Anireddy S N	Co-PI	Biology		

***Chemistry***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Biochemistry & Molecular Bio	American Heart Association	Mitochondrial Glutaminase: A Novel Target for Stroke Therapy	1/1/02 - 12/31/03	02327701 \$200,000
<i>Investigators/Collaborators:</i>				
Curthoys,Norman P	Primary PI	Biochemistry & Molecular Bio		
Anderson,Oren P	Co-PI	Chemistry		

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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).

**Inter-departmental Proposals Submitted July 1, 2001 - September 31, 2001\***

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**Natural Sciences**

***Chemistry***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Chemistry	NSF - National Science Foundation	Purchase of Magnetochemical Materials Analysis Instrumentation	1/1/02 - 12/31/02	02324001 \$429,998

***Investigators/Collaborators:***

Elliott,C Michael	Primary PI	Chemistry
Belfiore,Laurence A	Co-PI	Chemical & Biores Engineering
Dorhout,Peter K	Co-PI	Chemistry
Meersmann,Thomas	Co-PI	Chemistry
Rithner,Christopher D	Co-PI	Chemistry

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Physics	NSF - National Science Foundation	High Pressure Study of Complex Electronic Materials Characterized by Strong Coupling between Charge, Spin, & ...	5/1/02 - 4/30/05	02331201 \$682,657
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***Investigators/Collaborators:***

Hochheimer,Hans D	Primary PI	Physics
Dorhout,Peter K	Collaborator	Chemistry

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***Computer Science***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Biology	NSF - National Science Foundation	Enhancement & Evaluation of a System for In Vivo Imaging of Gene Expression	12/15/01 - 12/14/03	02328301 \$420,143

***Investigators/Collaborators:***

Medford,June I	Primary PI	Biology
Beveridge,J Ross	Co-PI	Computer Science

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Biology	NSF - National Science Foundation	Instrumentation for Producing in vivo Three- Dimensional Genomic-Scale Databases	1/2/02 - 1/1/05	02355801 \$1,005,703
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***Investigators/Collaborators:***

Medford,June I	Primary PI	Biology
Alciatore,David	Co-PI	Mechanical Engineering
Beveridge,J Ross	Co-PI	Computer Science

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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).

**Inter-departmental Proposals Submitted July 1, 2001 - September 31, 2001\***

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**Natural Sciences**

***Computer Science***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Mechanical Engineering	NSF - National Science Foundation	Robust Recurrent Reinforcement Learning (R3L) Control for Building Energy Systems	5/1/02 - 4/30/05	02357401 \$852,206
<b><i>Investigators/Collaborators:</i></b>				
Hittle,Douglas C	Primary PI	Mechanical Engineering		
Anderson,Charles	Co-PI	Computer Science		
Young,Peter	Co-PI	Elec. & Computer Engineering		

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***Physics***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Civil Engineering	NSF - National Science Foundation	Research Experiences for Undergraduates (REU) Site: Studies in Vibration & Sound	5/28/02 - 5/27/05	02344501 \$299,898
<b><i>Investigators/Collaborators:</i></b>				
Heyliger,Paul R	Primary PI	Civil Engineering		
Hartnagel,Bryan	Co-PI	Civil Engineering		
Leisure,Robert G	Collaborator	Physics		
Radford,Donald W	Collaborator	Mechanical Engineering		
Physics	NSF - National Science Foundation	High Pressure Study of Complex Electronic Materials Characterized by Strong Coupling between Charge, Spin, & ...	5/1/02 - 4/30/05	02331201 \$682,657
<b><i>Investigators/Collaborators:</i></b>				
Hochheimer,Hans D	Primary PI	Physics		
Dorhout,Peter K	Collaborator	Chemistry		

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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).

**Inter-departmental Proposals Submitted July 1, 2001 - September 31, 2001\***

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**Natural Sciences**

***Psychology***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Computer Information Systems	DOD-ARPA-Advanced Research Proj. Agency	Multi-Modal Support for Augmented Cognition	10/1/01 - 12/31/02	02352601 \$442,067
<i>Investigators/Collaborators:</i>				
Smith,Charles A.P	Primary PI	Computer Information Systems		
Clegg,Benjamin A	Co-PI	Psychology		
Young,Peter	Co-PI	Elec. & Computer Engineering		
Dean Of Applied Human Sciences	HHS-ADA-Administration on Aging	Establishing Elder Care Networks & Training Savvy Caregivers in Rural Areas	1/1/02 - 12/31/04	02335901 \$448,816
<i>Investigators/Collaborators:</i>				
Bell,Paul A	Primary PI	Psychology		
Barber,Clifton E	Collaborator	Human Dev & Family Studies		

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**Vet. Medicine & Biomedical Sciences**

***Clinical Sciences***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Clinical Sciences	Grayson-Jockey Club Research Foundation	Development of a Rapid Diagnostic Test for Strangles in Horses	4/1/02 - 3/30/03	02361101 \$18,139
<i>Investigators/Collaborators:</i>				
Traub-Dargatz,Josie L	Primary PI	Clinical Sciences		
Salman,M D	Co-PI	Environmental Health		
Environmental Health	HHS-NIH-NCI-National Cancer Institute	Angiogenesis in Osteosarcoma: A Molecular Switch Model	6/1/02 - 5/31/07	02361001 \$673,314
<i>Investigators/Collaborators:</i>				
Pott,Wendy A	Primary PI	Environmental Health		
Withrow,Stephen J	Collaborator	Clinical Sciences		
Yang,Raymond S H	Collaborator	Environmental Health		

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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).

**Inter-departmental Proposals Submitted July 1, 2001 - September 31, 2001\***

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**Vet. Medicine & Biomedical Sciences**

*Clinical Sciences*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Mechanical Engineering	Stryker Biotech	Delivery of osteogenic protein-1 (OP-1) in Enhanced Cement: An Ovine Tibial Osteotomy Study	9/1/01 - 8/30/02	02350001 \$135,555
<i>Investigators/Collaborators:</i>				
Wheeler, Donna	Primary PI	Mechanical Engineering		
Pluhar, G. Elizabeth	Collaborator	Clinical Sciences		
Turner, Anthony Simon	Collaborator	Clinical Sciences		

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*Environmental Health*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Clinical Sciences	Grayson-Jockey Club Research Foundation	Development of a Rapid Diagnostic Test for Strangles in Horses	4/1/02 - 3/30/03	02361101 \$18,139
<i>Investigators/Collaborators:</i>				
Traub-Dargatz, Josie L	Primary PI	Clinical Sciences		
Salman, M D	Co-PI	Environmental Health		
Environmental Health	HHS-FDA-Food & Drug Administration	Bovine Spongiform Encephalopathy Specified Risk Materials in Meat Products in the United States of America	10/1/01 - 9/30/02	02323601 \$119,834
<i>Investigators/Collaborators:</i>				
Salman, M D	Primary PI	Environmental Health		
Hossner, Kim L	Co-PI	Animal Sciences		
Schmidt, Glenn R	Co-PI	Animal Sciences		
Environmental Health	EPA - Environmental Protection Agency	The Cellular & Molecular Basis of All or None Switching: A Novel Approach to Biologically Based Modeling & Risk ...	1/1/02 - 12/31/04	02355301 \$730,215
<i>Investigators/Collaborators:</i>				
Hanneman, William H	Primary PI	Environmental Health		
Andersen, Melvin E	Collaborator	Environmental Health		

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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).

**Inter-departmental Proposals Submitted July 1, 2001 - September 31, 2001\***

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**Vet. Medicine & Biomedical Sciences**

***Environmental Health***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Environmental Health	HHS-NIH-NCI-National Cancer Institute	Angiogenesis in Osteosarcoma: A Molecular Switch Model	6/1/02 - 5/31/07	02361001 \$673,314

***Investigators/Collaborators:***

Pott,Wendy A	Primary PI	Environmental Health
Withrow,Stephen J	Collaborator	Clinical Sciences
Yang,Raymond S H	Collaborator	Environmental Health

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***Microbiology***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Chemical & Biores Engineering	NSF - National Science Foundation	Plant Secondary Metabolite Formation Regulated by Ethylene & Methyl Jasmonate	2/2/02 - 2/1/05	02324201 \$398,569

***Investigators/Collaborators:***

Linden,James C	Primary PI	Microbiology
Reddy,Anireddy S N	Co-PI	Biology

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Horticulture & Landscape Arch	Cystic Fibrosis Foundation	Rosmarinic Acid : A Potent anti-Pseudomonas aeruginosa Drug	10/1/01 - 9/30/03	02337101 \$86,400
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***Investigators/Collaborators:***

Vivanco,Jorge M	Primary PI	Horticulture & Landscape Arch
Schweizer,Herbert P	Co-PI	Microbiology

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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).

## Inter-departmental Awards Received July 1, 2001 - September 30, 2001\*

*Sorted by Primary PI*

<b>Project Number</b>	<b>Primary PI</b>	<b>Administering Department</b>	<b>Sponsor</b>	<b>Total</b>
8734	Cheng, Antony S	Forest Sciences	USDA - US Department of Agriculture	\$9,500.00
9014	Ellis, James	Natural Resource Ecology Lab	University of California at Davis	\$37,681.00
5055	Loftis, Jim C	Civil Engineering	Various "Non-Profit" Sponsors	\$4,000.00
1412	Loftis, Jim C	Civil Engineering	USDA-CSREES-Coop State Rsrch Edu & Ex	\$399,500.00
5147	Wilkins-Wells, John Reese	Civil Engineering	St. Vrain & Left Hand Water Cons. Dist.	\$1,500.00
0527	Wilkins-Wells, John Reese	Civil Engineering	Colorado State Water Conservation Board	\$136,131.00

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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).

See the following pages for a detail breakdown

**Inter-departmental Awards Received July 1, 2001 - September 30, 2001\***

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**Agricultural Sciences**

*Soil & Crop Sciences*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Civil Engineering	USDA-CSREES-Coop State Rsrch Edu & Ext	Selenium in the Upper Colorado River Basin: Public Education & Remediation	9/15/01 - 9/30/04	1412 \$399,500

*Investigators/Collaborators:*

Loftis,Jim C	Primary PI	Civil Engineering
Brown,Karla A	Co-PI	Cooperative Extension
Garcia,Luis	Co-PI	Civil Engineering
Broner,Israel	Collaborator	Civil Engineering
Heil,Dean M	Collaborator	Soil & Crop Sciences
Sharp,Rodney L	Collaborator	Cooperative Extension
Waskom,Reagan M	Collaborator	Soil & Crop Sciences

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**Engineering**

*Civil Engineering*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Civil Engineering	Colorado State Water Conservation Board	Assessment of the Benefits & Costs of Pressurized Dual Water Systems in Colorado	7/20/01 - 8/1/03	0527 \$136,131

*Investigators/Collaborators:*

Wilkins-Wells,John Rees	Primary PI	Sociology
Podmore,Terence H	Co-PI	Civil Engineering

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Civil Engineering	Various "Non-Profit" Sponsors	Eutrophication of Reservoirs on the Colorado Front Range	3/1/01 - 2/28/02	5055 \$4,000
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*Investigators/Collaborators:*

Loftis,Jim C	Primary PI	Civil Engineering
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\*Includes all projects identified by the primary Principal Investigator as inter-departmental on the Sponsored Project Approval Form (SP-1).



**Inter-departmental Awards Received July 1, 2001 - September 30, 2001\***

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**Engineering**

*Civil Engineering*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Civil Engineering	USDA-CSREES-Coop State Rsrch Edu & Ext	Selenium in the Upper Colorado River Basin: Public Education & Remediation	9/15/01 - 9/30/04	1412 \$399,500

*Investigators/Collaborators:*

Loftis,Jim C	Primary PI	Civil Engineering
Brown,Karla A	Co-PI	Cooperative Extension
Garcia,Luis	Co-PI	Civil Engineering
Broner,Israel	Collaborator	Civil Engineering
Heil,Dean M	Collaborator	Soil & Crop Sciences
Sharp,Rodney L	Collaborator	Cooperative Extension
Waskom,Reagan M	Collaborator	Soil & Crop Sciences

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Civil Engineering	St. Vrain & Left Hand Water Cons. Dist.	Assessment of the Benefits & Costs of Pressurized Dual Water Systems	7/1/01 - 6/30/02	5147 \$1,500
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*Investigators/Collaborators:*

Wilkins-Wells,John Rees	Primary PI	Sociology
Podmore,Terence H	Co-PI	Civil Engineering

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**Extension**

*Cooperative Extension*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Civil Engineering	USDA-CSREES-Coop State Rsrch Edu & Ext	Selenium in the Upper Colorado River Basin: Public Education & Remediation	9/15/01 - 9/30/04	1412 \$399,500

*Investigators/Collaborators:*

Loftis,Jim C	Primary PI	Civil Engineering
Brown,Karla A	Co-PI	Cooperative Extension
Garcia,Luis	Co-PI	Civil Engineering
Broner,Israel	Collaborator	Civil Engineering
Heil,Dean M	Collaborator	Soil & Crop Sciences
Sharp,Rodney L	Collaborator	Cooperative Extension
Waskom,Reagan M	Collaborator	Soil & Crop Sciences

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**Inter-departmental Awards Received July 1, 2001 - September 30, 2001\***

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**Liberal Arts**

*Anthropology*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Natural Resource Ecology Lab	University of California at Davis	Integrated Modeling & Assessment for Balancing Food Security, Conservation, & Ecosystem Integrity	7/1/01 - 6/30/04	9014 \$37,681
<i>Investigators/Collaborators:</i>				
Ellis,James	Primary PI	Natural Resource Ecology Lab		
Coughenour,Michael B	Co-PI	Natural Resource Ecology Lab		
Galvin,Kathleen	Co-PI	Anthropology		

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*Sociology*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Civil Engineering	Colorado State Water Conservation Board	Assessment of the Benefits & Costs of Pressurized Dual Water Systems in Colorado	7/20/01 - 8/1/03	0527 \$136,131
<i>Investigators/Collaborators:</i>				
Wilkins-Wells,John Rees	Primary PI	Sociology		
Podmore,Terence H	Co-PI	Civil Engineering		
Civil Engineering	St. Vrain & Left Hand Water Cons. Dist.	Assessment of the Benefits & Costs of Pressurized Dual Water Systems	7/1/01 - 6/30/02	5147 \$1,500
<i>Investigators/Collaborators:</i>				
Wilkins-Wells,John Rees	Primary PI	Sociology		
Podmore,Terence H	Co-PI	Civil Engineering		

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**Inter-departmental Awards Received July 1, 2001 - September 30, 2001\***

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**Natural Resources**

*Forest Sciences*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Forest Sciences	USDA - US Department of Agriculture	The Use of Narrative & Media Accounts as Methods for Mapping Sense of Place on National Forest Lands	9/20/01 - 5/31/03	8734 \$9,500
<i>Investigators/Collaborators:</i>				
Cheng, Antony S	Primary PI	Forest Sciences		
Champ, Joseph G	Co-PI	Nat Res Recreation & Tourism		

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*Nat Res Recreation & Tourism*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Forest Sciences	USDA - US Department of Agriculture	The Use of Narrative & Media Accounts as Methods for Mapping Sense of Place on National Forest Lands	9/20/01 - 5/31/03	8734 \$9,500
<i>Investigators/Collaborators:</i>				
Cheng, Antony S	Primary PI	Forest Sciences		
Champ, Joseph G	Co-PI	Nat Res Recreation & Tourism		

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*Natural Resource Ecology Lab*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Natural Resource Ecology Lab	University of California at Davis	Integrated Modeling & Assessment for Balancing Food Security, Conservation, & Ecosystem Integrity	7/1/01 - 6/30/04	9014 \$37,681
<i>Investigators/Collaborators:</i>				
Ellis, James	Primary PI	Natural Resource Ecology Lab		
Coughenour, Michael B	Co-PI	Natural Resource Ecology Lab		
Galvin, Kathleen	Co-PI	Anthropology		

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