

Office of the Vice President for Research  
and  
Information Technology

Research Proposals Submitted

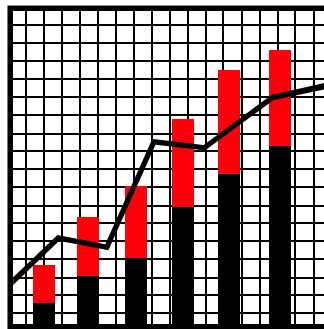
*and*

Research Awards Received

Fiscal Year 2002

Second Quarter

October – December 2001



# Research Proposals Submitted *and* Research Awards Received

October 1, 2001 through December 31, 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]).

## **Definitions:**

**Inter-departmental:** Inter-departmental projects require the use of skills, techniques, and knowledge of two or more disciplines toward a common goal or goals. The work requires frequent interchanges of ideas, and the negotiation of strategies and methods among practitioners of different disciplines, with the ideas of one stimulating and improving the design of the total project. Projects are identified as inter-departmental by the primary Principal Investigator on the Sponsored Project Approval Form (SP-1).

**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	Bioagricultur 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 & Bioes 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	Physiology	HHS-NIH-National Institutes of Health	10/1/00 - 9/30/05	\$2,874,454
Vet. Medicine & Biomedical Sciences	Physiology	HHS-NIH-National Institutes of Health	7/1/00 - 6/30/05	\$2,306,449
Vet. Medicine & Biomedical Sciences	Physiology	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	Physiology	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
Applied Human Sciences	School Of Education	US Department of Education	7/1/02 - 6/30/05	\$2,638,628
Engineering	CIRA	DOC-NOAA-Natl Oceanic & Atmospheric Admn	7/1/01 - 6/30/02	\$4,710,348
Engineering	Mechanical Engineering	NASA - Natl Aeronautics & Space Admin.	4/28/02 - 4/27/07	\$14,999,998
Natural Resources	CEMML	DOD-ARMY	10/1/01 - 9/30/06	\$4,540,551
Natural Resources	Natural Resource Ecology Lab	NSF - National Science Foundation	6/1/02 - 5/31/06	\$4,989,892
Other	Hughes Un Bio-Ctr Life Science	HHMI-Howard Hughes Medical Institute	7/1/02 - 6/30/06	\$2,194,861
Vet. Medicine & Biomedical Sciences	Microbiology	HHS-NIH-NIAID-Allergy & Infect Diseases	6/30/02 - 6/29/09	\$4,334,125
Vet. Medicine & Biomedical Sciences	Radiological Health Sciences	HHS-NIH-Center for Scientific Review	9/1/02 - 8/31/07	\$2,863,688

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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.



## **Contents**

### **Section I Historical Summaries**

Proposals by Fund Source  
Proposals by College  
Awards by Fund Source  
Awards by College

### **Section II Department Summaries**

Proposals and Awards

### **Section III**

Indirect Cost Earning Projections

### **Section IV**

Detailed List of Proposals Submitted

### **Section V**

Detailed List of Awards Received

### **Section VI**

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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Attention: Diane Rees  
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Fort Collins, Colorado 80523-2002  
Email: [diane.rees@research.colostate.edu](mailto:diane.rees@research.colostate.edu)

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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**
- ◆ **\$PIN and GENIUS/SMARTS Databases**
- ◆ **Proposal Approval and Support System (PASS)**
- ◆ **Proposal Budget Spreadsheet (PBS)**
- ◆ **Research Project Status**
- ◆ **Research Resources and Other Links**
- ◆ **National Science Foundation's FASTLANE Link**
- ◆ **Sponsored Programs Research Administrators**
- ◆ **What's New**

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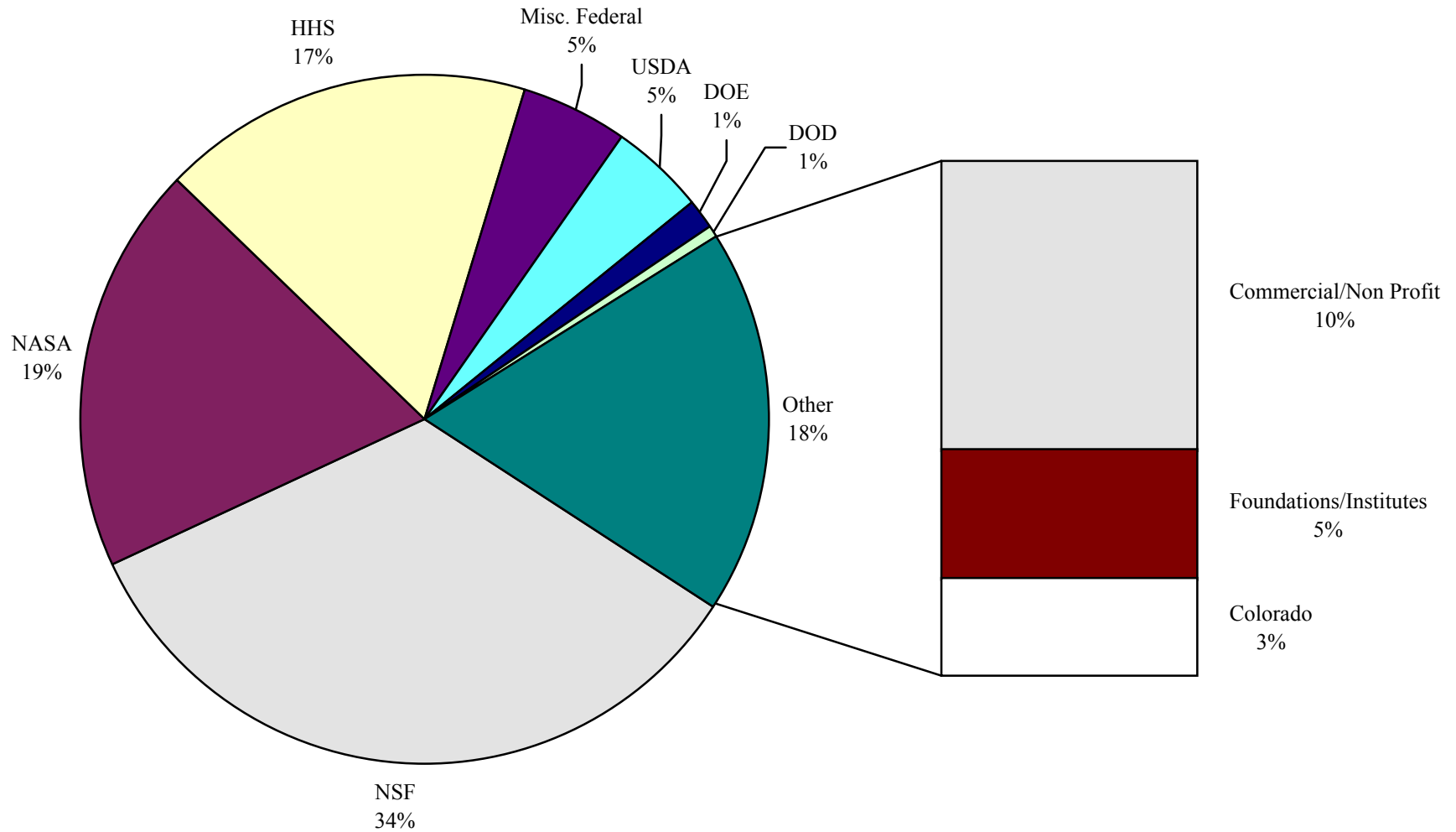
## **Section I**

### **Historical Summaries**

## **Proposal Summaries**

# Proposals by Fund Source

Second Quarter Data  
October - December 2001



# Proposals by Fund Source

Five-Year Comparison

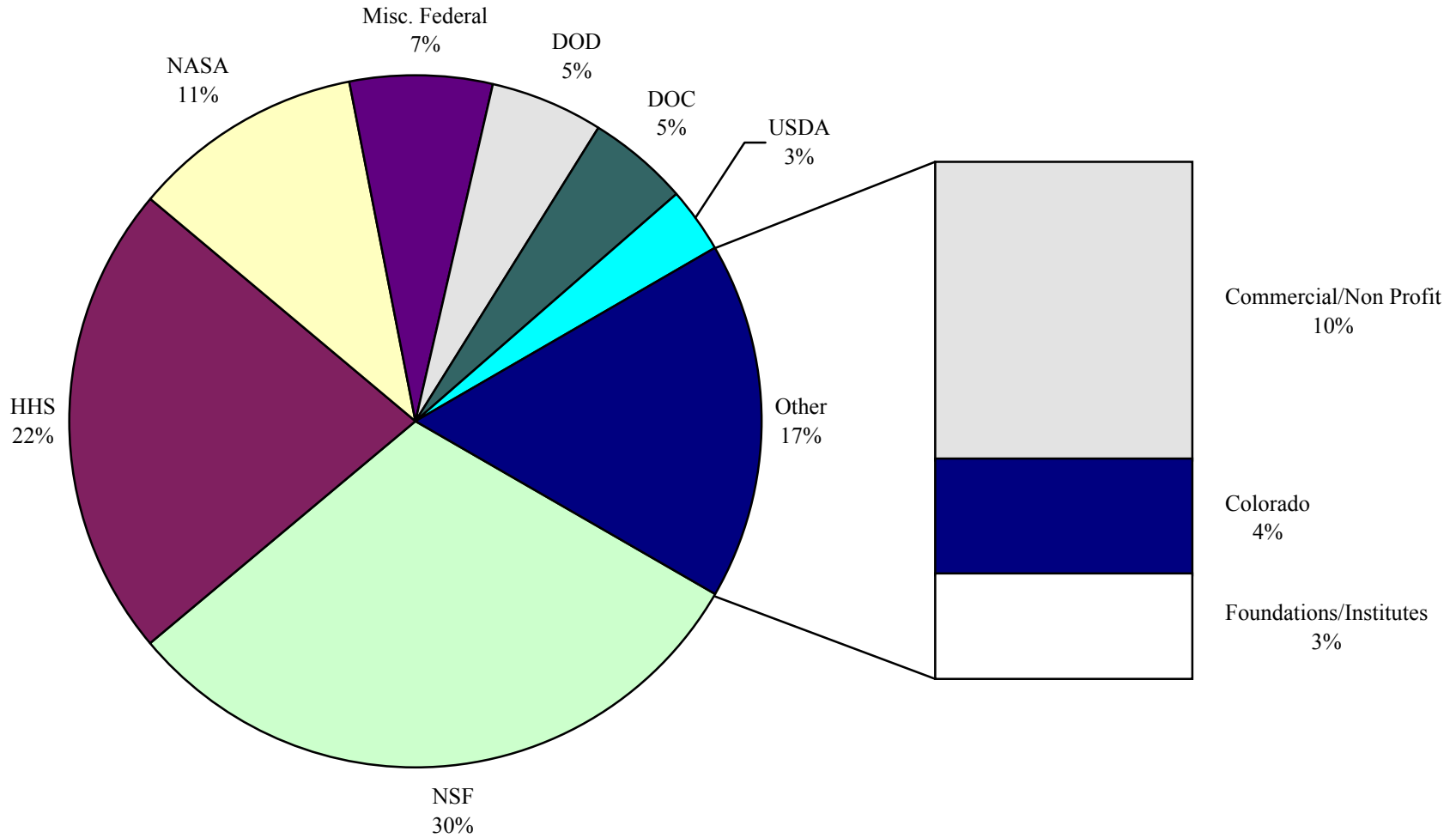
Second Quarter Data

October - December

Sponsor	#	1997-1998	#	1998-1999	#	1999-2000	#	2000-2001	#	2001-2002
Commercial and Non-Profit	41	\$ 4,376,587	45	\$ 5,962,081	54	\$ 4,807,953	49	\$ 10,579,399	71	\$ 8,582,190
Foundations	15	\$ 1,855,888	10	\$ 457,891	16	\$ 2,101,901	16	\$ 1,656,113	11	\$ 1,619,523
Institutes	2	\$ 2,509,320	0	\$ -	0	\$ -	1	\$ 47,630	1	\$ 2,194,861
State of Colorado	19	\$ 6,922,336	16	\$ 6,746,742	19	\$ 7,730,508	21	\$ 7,266,013	11	\$ 2,851,841
<b>Subtotal of Non-Federal</b>	<b>77</b>	<b>\$ 15,664,131</b>	<b>71</b>	<b>\$ 13,166,714</b>	<b>89</b>	<b>\$ 14,640,362</b>	<b>87</b>	<b>\$ 19,549,155</b>	<b>94</b>	<b>\$ 15,248,415</b>
USDA - Department of Agriculture	9	\$ 2,318,141	11	\$ 2,189,229	17	\$ 5,190,775	45	\$ 9,444,696	21	\$ 3,860,800
DOC - Department of Commerce	5	\$ 848,545	5	\$ 1,255,820	10	\$ 1,983,899	8	\$ 66,011,682	4	\$ 311,500
DOD - Department of Defense	9	\$ 2,142,966	7	\$ 2,911,798	5	\$ 2,171,091	4	\$ 1,111,610	4	\$ 484,259
DOE - Department of Energy	2	\$ 402,386	1	\$ 575,471	0	\$ -	4	\$ 1,245,833	5	\$ 1,036,477
EPA - Environmental Protection Agency	5	\$ 1,076,802	0	\$ -	2	\$ 135,929	3	\$ 124,322	4	\$ 292,267
HHS - Health & Human Services	15	\$ 13,214,750	14	\$ 10,589,198	21	\$ 11,009,629	13	\$ 18,135,659	13	\$ 14,636,556
USDI - Department of the Interior	11	\$ 1,312,906	6	\$ 754,550	5	\$ 699,604	12	\$ 1,686,276	2	\$ 98,946
NASA - National Aeronautics & Space Administration	4	\$ 1,143,915	1	\$ 95,000	5	\$ 2,405,956	18	\$ 12,790,529	4	\$ 16,236,911
NSF - National Science Foundation	34	\$ 10,638,092	34	\$ 17,492,134	37	\$ 13,786,167	45	\$ 35,694,111	52	\$ 28,366,438
Miscellaneous Federal	7	\$ 4,547,730	7	\$ 3,906,877	9	\$ 3,905,424	10	\$ 4,566,161	4	\$ 3,355,101
<b>Subtotal of Federal</b>	<b>101</b>	<b>\$ 37,646,233</b>	<b>86</b>	<b>\$ 39,770,077</b>	<b>111</b>	<b>\$ 41,288,474</b>	<b>162</b>	<b>\$ 150,810,879</b>	<b>113</b>	<b>\$ 68,679,255</b>
<b>*** TOTAL ***</b>	<b>178</b>	<b>\$ 53,310,364</b>	<b>157</b>	<b>\$ 52,936,791</b>	<b>200</b>	<b>\$ 55,928,836</b>	<b>249</b>	<b>\$ 170,360,034</b>	<b>207</b>	<b>\$ 83,927,670</b>

# Proposals by Fund Source

Fiscal Year Data  
July - December 2001



# Proposals by Fund Source

## Five-Year Comparison

### Fiscal Year Data

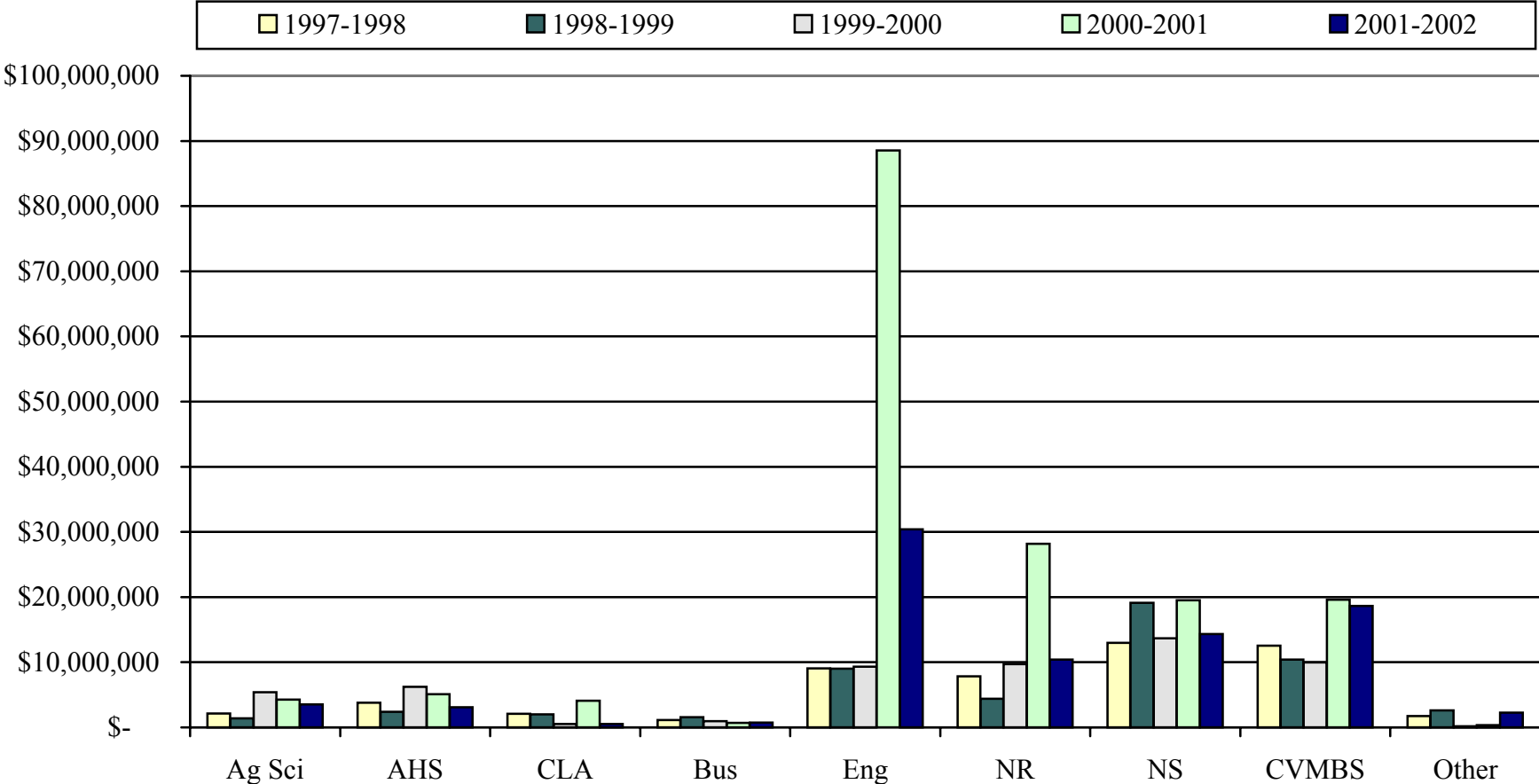
### July - December

Sponsor	#	1997-1998	#	1998-1999	#	1999-2000	#	2000-2001	#	2001-2002
Commercial and Non-Profit	80	\$ 11,296,495	88	\$ 9,914,929	104	\$ 11,956,401	97	\$ 16,089,286	111	\$ 15,715,375
Foundations	27	\$ 2,814,570	20	\$ 873,879	27	\$ 3,923,162	28	\$ 5,984,396	24	\$ 3,070,970
Institutes	2	\$ 2,509,320	1	\$ 25,000	1	\$ 543,750	1	\$ 47,630	2	\$ 2,403,879
State of Colorado	28	\$ 7,817,126	26	\$ 8,646,410	20	\$ 7,735,508	33	\$ 8,388,186	20	\$ 6,003,092
<b>Subtotal of Non-Federal</b>	<b>137</b>	<b>\$ 24,437,511</b>	<b>135</b>	<b>\$ 19,460,218</b>	<b>152</b>	<b>\$ 24,158,821</b>	<b>159</b>	<b>\$ 30,509,498</b>	<b>157</b>	<b>\$ 27,193,316</b>
USDA - Department of Agriculture	20	\$ 2,787,323	15	\$ 2,252,163	28	\$ 7,168,085	54	\$ 9,773,232	34	\$ 4,956,697
DOC - Department of Commerce	12	\$ 3,025,274	12	\$ 2,688,515	16	\$ 3,096,800	10	\$ 66,057,705	13	\$ 7,479,939
DOD - Department of Defense	17	\$ 4,568,719	33	\$ 9,493,133	24	\$ 5,134,517	8	\$ 3,059,987	15	\$ 8,475,386
DOE - Department of Energy	4	\$ 972,699	5	\$ 2,209,753	2	\$ 1,684,757	5	\$ 1,263,755	8	\$ 2,469,756
EPA - Environmental Protection Agency	6	\$ 1,164,302	3	\$ 1,015,460	4	\$ 1,185,028	9	\$ 1,882,950	5	\$ 1,022,482
HHS - Health & Human Services	30	\$ 24,036,002	45	\$ 30,550,770	46	\$ 38,828,950	30	\$ 37,810,834	39	\$ 36,094,917
USDI - Department of the Interior	21	\$ 1,713,472	11	\$ 1,342,140	13	\$ 1,120,118	19	\$ 3,371,362	21	\$ 1,349,447
NASA - National Aeronautics & Space Administration	6	\$ 1,814,565	9	\$ 3,589,055	19	\$ 10,952,974	24	\$ 18,365,836	8	\$ 17,598,925
NSF - National Science Foundation	70	\$ 34,505,845	68	\$ 33,957,448	77	\$ 28,412,996	93	\$ 70,763,432	98	\$ 49,435,074
Miscellaneous Federal	13	\$ 8,676,079	10	\$ 12,050,892	13	\$ 4,690,502	15	\$ 6,567,033	9	\$ 6,069,672
<b>Subtotal of Federal</b>	<b>199</b>	<b>\$ 83,264,280</b>	<b>211</b>	<b>\$ 99,149,329</b>	<b>242</b>	<b>\$ 102,274,727</b>	<b>267</b>	<b>\$ 218,916,126</b>	<b>250</b>	<b>\$ 134,952,295</b>
<b>*** TOTAL ***</b>	<b>336</b>	<b>\$ 107,701,791</b>	<b>346</b>	<b>\$ 118,609,547</b>	<b>394</b>	<b>\$ 126,433,548</b>	<b>426</b>	<b>\$ 249,425,624</b>	<b>407</b>	<b>\$ 162,145,611</b>



# Proposals by College

Five-Year Comparison  
Second Quarter Data  
October - December



# Proposals by College

Five-Year Comparison

Second Quarter Data

October - December

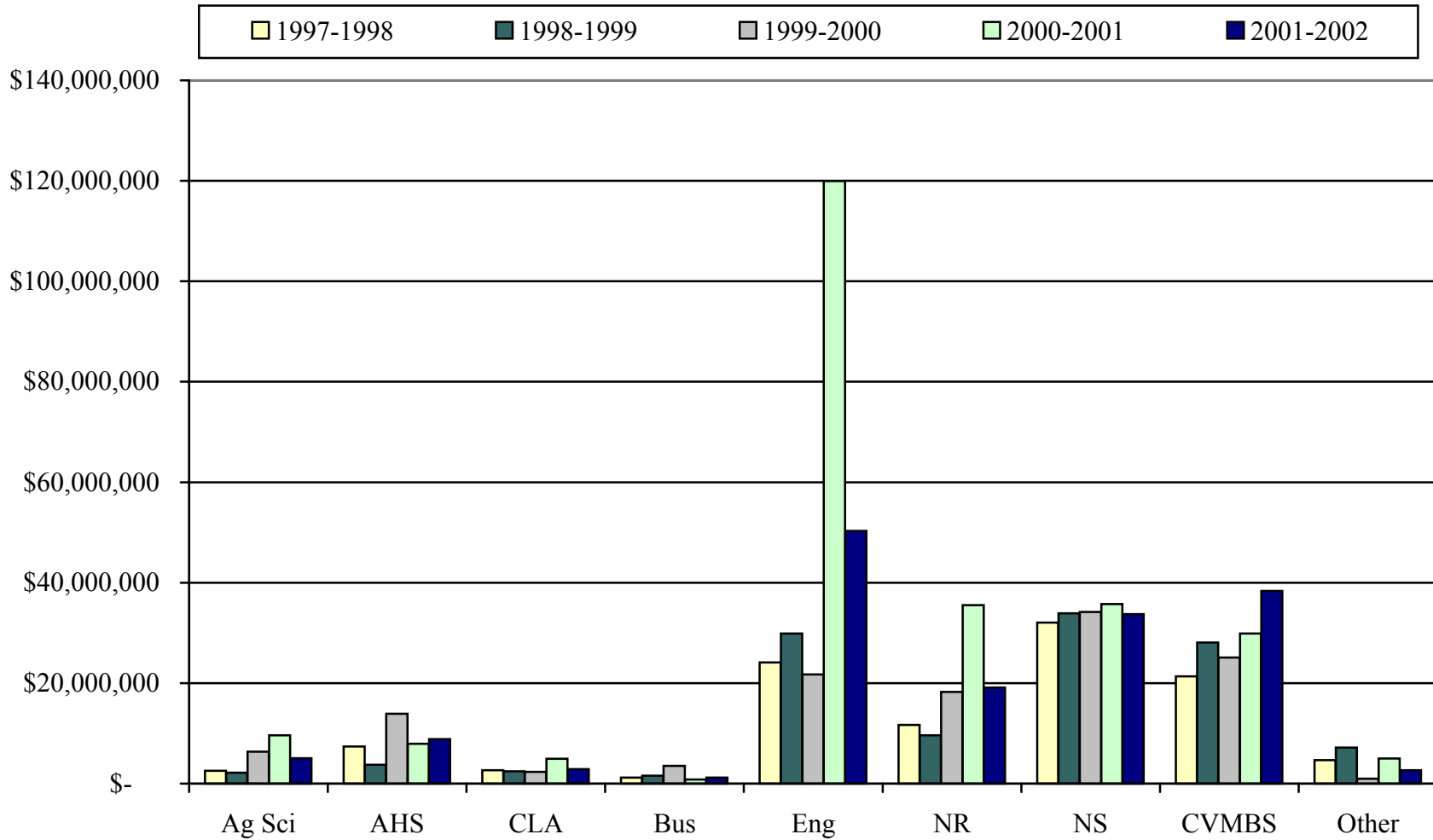
College	#	1997-1998	#	1998-1999	#	1999-2000	#	2000-2001	#	2001-2002
Ag Sci - Agricultural Sciences	17	\$ 2,121,239	9	\$ 1,383,512	22	\$ 5,390,291	27	\$ 4,267,745	26	\$ 3,545,597
AHS - Applied Human Sciences	22	\$ 3,789,235	10	\$ 2,388,814	21	\$ 6,212,137	14	\$ 5,105,030	9	\$ 3,103,032
CLA - Liberal Arts	5	\$ 2,097,423	6	\$ 2,017,491	3	\$ 512,135	9	\$ 4,081,309	4	\$ 521,697
Bus - Business	1	\$ 1,150,792	2	\$ 1,575,809	1	\$ 975,000	4	\$ 715,575	1	\$ 732,473
Eng - Engineering	35	\$ 9,040,746	38	\$ 9,018,221	35	\$ 9,307,468	53	\$ 88,528,408	55	\$ 30,399,353
NR - Natural Resources	28	\$ 7,845,377	24	\$ 4,399,023	40	\$ 9,699,187	63	\$ 28,188,529	32	\$ 10,400,774
NS - Natural Sciences	42	\$ 12,976,896	37	\$ 19,128,823	38	\$ 13,683,865	37	\$ 19,508,490	42	\$ 14,316,203
VMBS - Veterinary Medicine & Biomedical Sciences	27	\$ 12,565,181	29	\$ 10,398,042	35	\$ 9,980,448	37	\$ 19,609,972	35	\$ 18,640,391
Other	1	\$ 1,723,475	2	\$ 2,627,056	5	\$ 168,305	5	\$ 354,976	3	\$ 2,268,150
<b>*** TOTAL ***</b>	<b>178</b>	<b>\$ 53,310,364</b>	<b>157</b>	<b>\$ 52,936,791</b>	<b>200</b>	<b>\$ 55,928,836</b>	<b>249</b>	<b>\$ 170,360,034</b>	<b>207</b>	<b>\$ 83,927,670</b>

# Proposals by College

Five-Year Comparison

Fiscal Year Data

July - December



# Proposals by College

## Five-Year Comparison

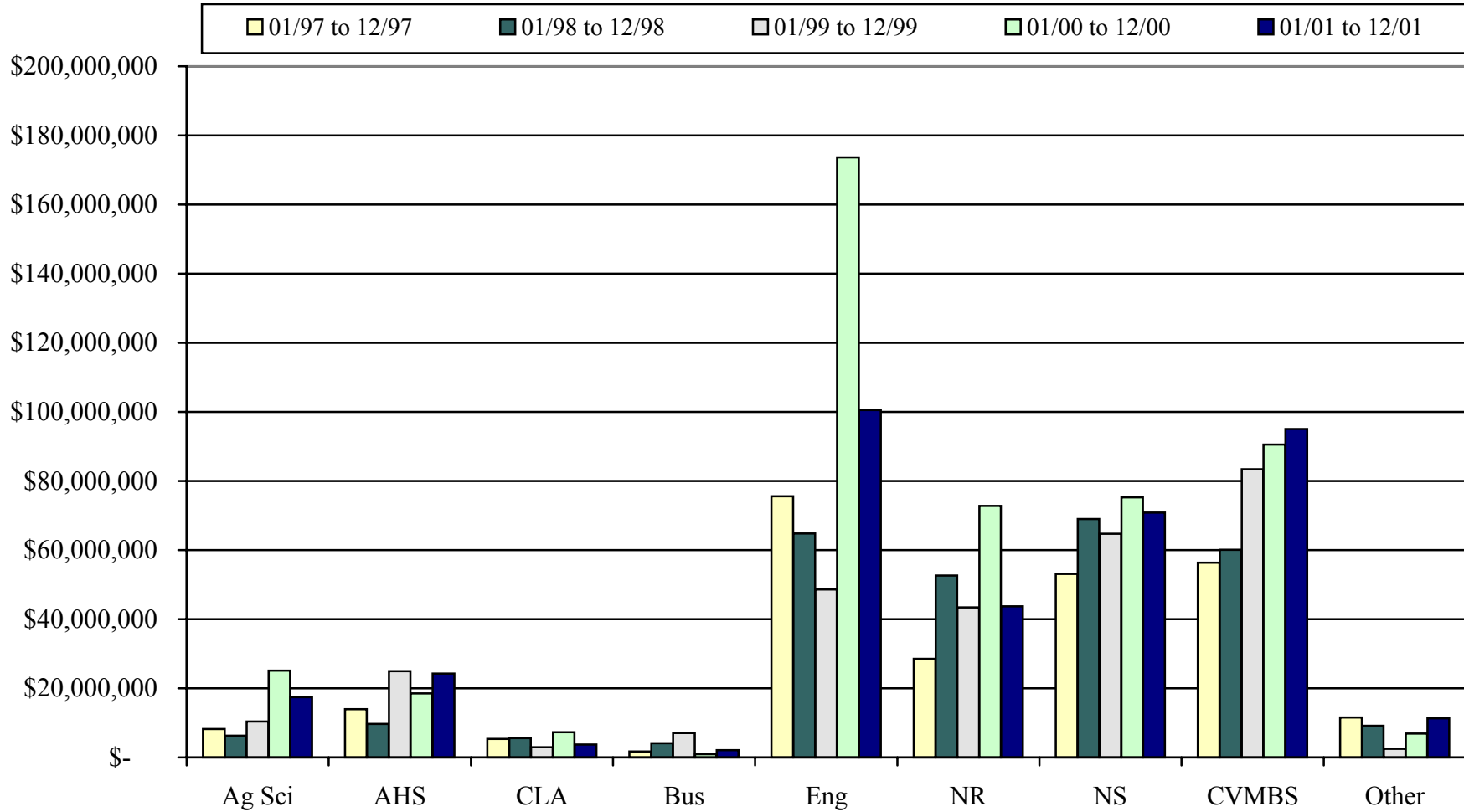
### Fiscal Year Data

### July - December

College	#	1997-1998	#	1998-1999	#	1999-2000	#	2000-2001	#	2001-2002
Ag Sci - Agricultural Sciences	25	\$ 2,559,646	16	\$ 2,165,904	29	\$ 6,364,301	38	\$ 9,606,622	34	\$ 5,067,589
AHS - Applied Human Sciences	32	\$ 7,393,308	23	\$ 3,733,169	34	\$ 13,925,392	26	\$ 7,935,688	21	\$ 8,832,320
CLA - Liberal Arts	9	\$ 2,671,418	10	\$ 2,457,612	11	\$ 2,338,005	16	\$ 4,958,303	8	\$ 2,895,857
Bus - Business	4	\$ 1,179,407	2	\$ 1,575,809	2	\$ 3,529,860	6	\$ 815,999	2	\$ 1,174,540
Eng - Engineering	81	\$ 24,120,280	87	\$ 29,861,115	90	\$ 21,739,370	102	\$ 119,972,982	102	\$ 50,289,417
NR - Natural Resources	48	\$ 11,662,449	55	\$ 9,640,161	72	\$ 18,269,484	93	\$ 35,548,173	74	\$ 19,119,351
NS - Natural Sciences	83	\$ 32,063,284	74	\$ 33,925,778	82	\$ 34,192,777	73	\$ 35,755,685	85	\$ 33,710,570
VMBS - Veterinary Medicine & Biomedical Sciences	50	\$ 21,363,031	71	\$ 28,071,995	65	\$ 25,082,257	62	\$ 29,855,920	74	\$ 38,378,317
Other	4	\$ 4,688,968	8	\$ 7,178,004	9	\$ 992,102	10	\$ 4,976,252	7	\$ 2,677,650
<b>*** TOTAL ***</b>	<b>336</b>	<b>\$ 107,701,791</b>	<b>346</b>	<b>\$ 118,609,547</b>	<b>394</b>	<b>\$ 126,433,548</b>	<b>426</b>	<b>\$ 249,425,624</b>	<b>407</b>	<b>\$ 162,145,611</b>

# Proposals by College

Five-Year Comparison  
Consecutive 12 Month Data  
January - December



# Proposals by College

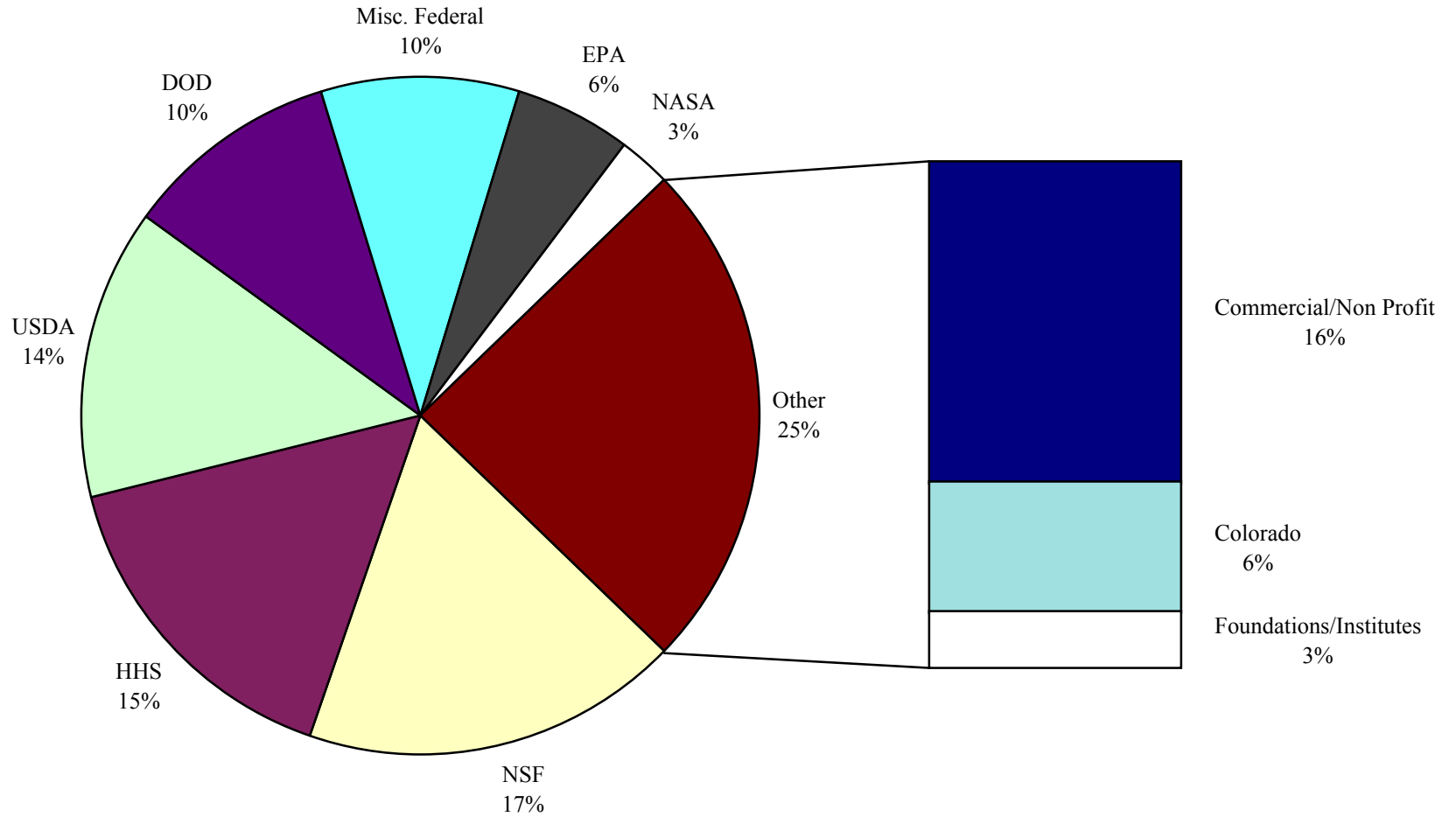
Five-Year Comparison  
Consecutive 12 Month Data  
January - December

College	#	01/97 to 12/97	#	01/98 to 12/98	#	01/99 to 12/99	#	01/00 to 12/00	#	01/01 to 12/01
Ag Sci - Agricultural Sciences	49	\$ 8,231,624	43	\$ 6,293,035	54	\$ 10,391,787	72	\$ 25,152,304	70	\$ 17,436,267
AHS - Applied Human Sciences	58	\$ 13,979,277	50	\$ 9,717,880	61	\$ 24,954,182	60	\$ 18,562,270	65	\$ 24,242,642
CLA - Liberal Arts	20	\$ 5,334,979	19	\$ 5,614,530	15	\$ 2,954,007	27	\$ 7,280,400	21	\$ 3,713,036
Bus - Business	6	\$ 1,700,392	4	\$ 4,113,896	3	\$ 7,019,219	8	\$ 914,284	6	\$ 2,076,787
Eng - Engineering	198	\$ 75,599,265	188	\$ 64,805,604	187	\$ 48,601,685	236	\$ 173,634,983	223	\$ 100,567,887
NR - Natural Resources	114	\$ 28,500,072	132	\$ 52,645,466	165	\$ 43,381,200	187	\$ 72,770,132	163	\$ 43,748,446
NS - Natural Sciences	157	\$ 53,120,857	139	\$ 68,971,290	145	\$ 64,694,291	156	\$ 75,233,526	168	\$ 70,818,702
VMBS - Veterinary Medicine & Biomedical Sciences	173	\$ 56,320,615	160	\$ 60,063,693	158	\$ 83,380,658	181	\$ 90,535,078	184	\$ 95,026,753
Other	25	\$ 11,541,940	16	\$ 9,160,588	15	\$ 2,471,909	20	\$ 6,920,981	23	\$ 11,313,694
<b>*** TOTAL ***</b>	<b>800</b>	<b>\$ 254,329,021</b>	<b>751</b>	<b>\$ 281,385,982</b>	<b>803</b>	<b>\$ 287,848,938</b>	<b>947</b>	<b>\$ 471,003,958</b>	<b>923</b>	<b>\$ 368,944,214</b>

## **Award Summaries**

# Awards by Fund Source

Second Quarter Data  
October - December 2001





# Awards by Fund Source

Five-Year Comparison

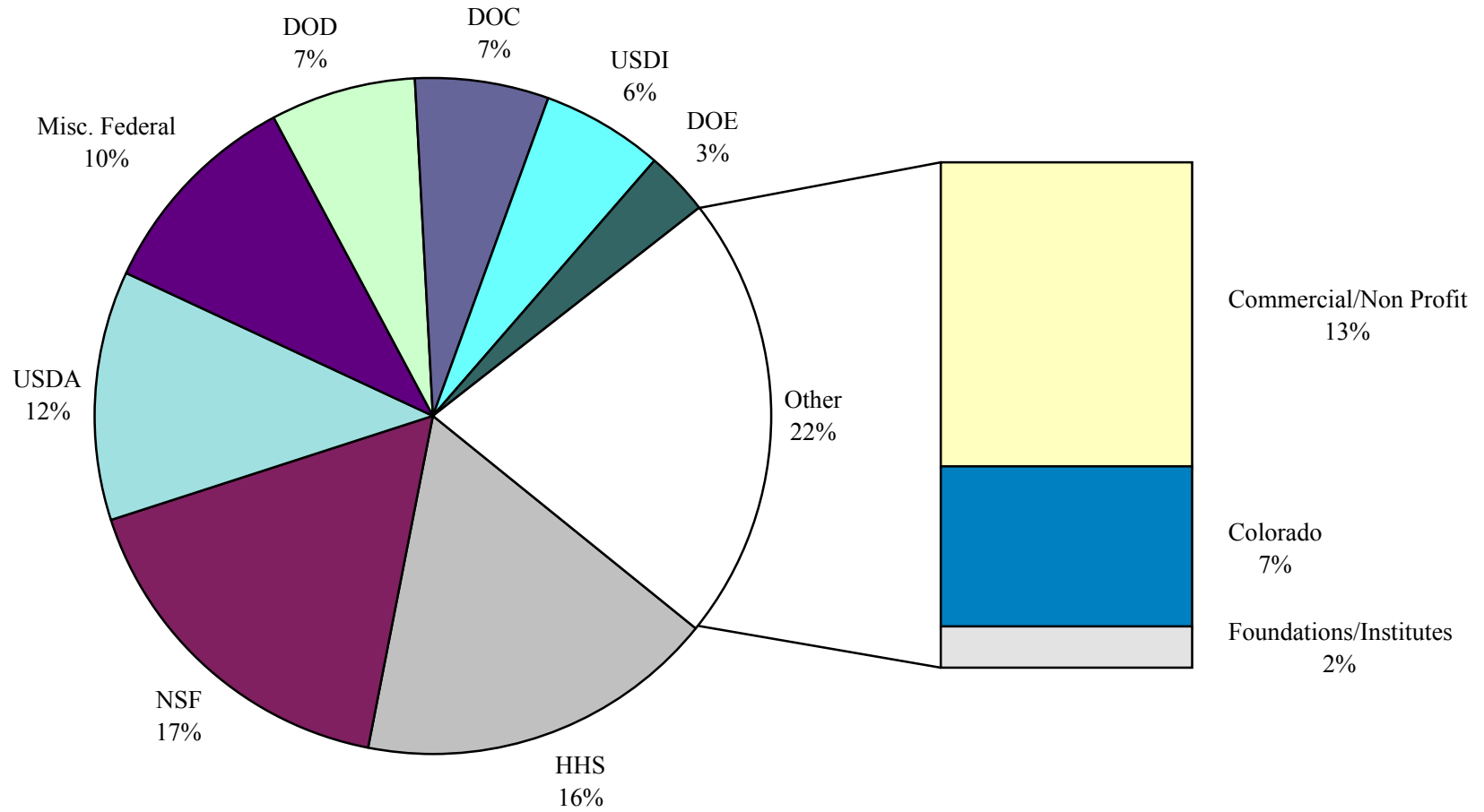
Second Quarter Data

October - December

Sponsor	#	1997-1998	#	1998-1999	#	1999-2000	#	2000-2001	#	2001-2002
Commercial and Non-Profit	104	\$ 4,633,654	151	\$ 7,451,099	108	\$ 6,410,706	127	\$ 6,207,543	120	\$ 6,467,356
Foundations	5	\$ 70,650	12	\$ 303,869	16	\$ 390,260	6	\$ 103,531	12	\$ 500,110
Institutes	1	\$ 203,509	5	\$ 400,000	6	\$ 410,443	1	\$ 70,375	8	\$ 600,680
State of Colorado	40	\$ 3,032,252	28	\$ 1,266,203	14	\$ 320,878	30	\$ 3,619,437	20	\$ 2,583,532
<b>Subtotal of Non-Federal</b>	<b>150</b>	<b>\$ 7,940,065</b>	<b>196</b>	<b>\$ 9,421,171</b>	<b>144</b>	<b>\$ 7,532,287</b>	<b>164</b>	<b>\$ 10,000,886</b>	<b>160</b>	<b>\$ 10,151,678</b>
USDA - Department of Agriculture	31	\$ 1,275,613	45	\$ 1,960,690	39	\$ 3,971,490	28	\$ 2,688,179	52	\$ 5,718,374
DOC - Department of Commerce	3	\$ 385,220	2	\$ 164,872	0	\$ -	0	\$ -	1	\$ 50,854
DOD - Department of Defense	35	\$ 2,475,872	41	\$ 5,021,725	35	\$ 1,911,194	27	\$ 3,023,303	30	\$ 4,217,414
DOE - Department of Energy	6	\$ 555,401	5	\$ 544,000	2	\$ 112,000	7	\$ 675,332	1	\$ 63,108
EPA - Environmental Protection Agency	2	\$ 1,039,625	2	\$ 719,019	4	\$ 1,742,666	3	\$ 980,899	11	\$ 2,285,617
HHS - Health & Human Services	29	\$ 4,694,030	27	\$ 4,788,270	44	\$ 8,222,755	29	\$ 4,968,781	39	\$ 6,622,531
USDI - Department of the Interior	10	\$ 439,967	6	\$ 337,339	14	\$ 616,550	10	\$ 878,705	15	\$ 962,003
NASA - National Aeronautics & Space Administration	9	\$ 903,361	13	\$ 769,342	8	\$ 399,235	8	\$ 351,028	13	\$ 1,038,038
NSF - National Science Foundation	10	\$ 1,156,537	9	\$ 1,497,021	11	\$ 2,162,362	10	\$ 1,636,889	21	\$ 7,454,711
Miscellaneous Federal	2	\$ 665,106	3	\$ 922,222	3	\$ 807,212	5	\$ 314,304	13	\$ 2,887,160
<b>Subtotal Federal</b>	<b>137</b>	<b>\$ 13,590,732</b>	<b>153</b>	<b>\$ 16,724,500</b>	<b>160</b>	<b>\$ 19,945,464</b>	<b>127</b>	<b>\$ 15,517,420</b>	<b>196</b>	<b>\$ 31,299,810</b>
<b>*** TOTAL ***</b>	<b>287</b>	<b>\$ 21,530,797</b>	<b>349</b>	<b>\$ 26,145,671</b>	<b>304</b>	<b>\$ 27,477,751</b>	<b>291</b>	<b>\$ 25,518,306</b>	<b>356</b>	<b>\$ 41,451,488</b>

# Awards by Fund Source

Fiscal Year Data  
July - December 2001



# Awards by Fund Source

## Five-Year Comparison

### Fiscal Year Data

### July - December

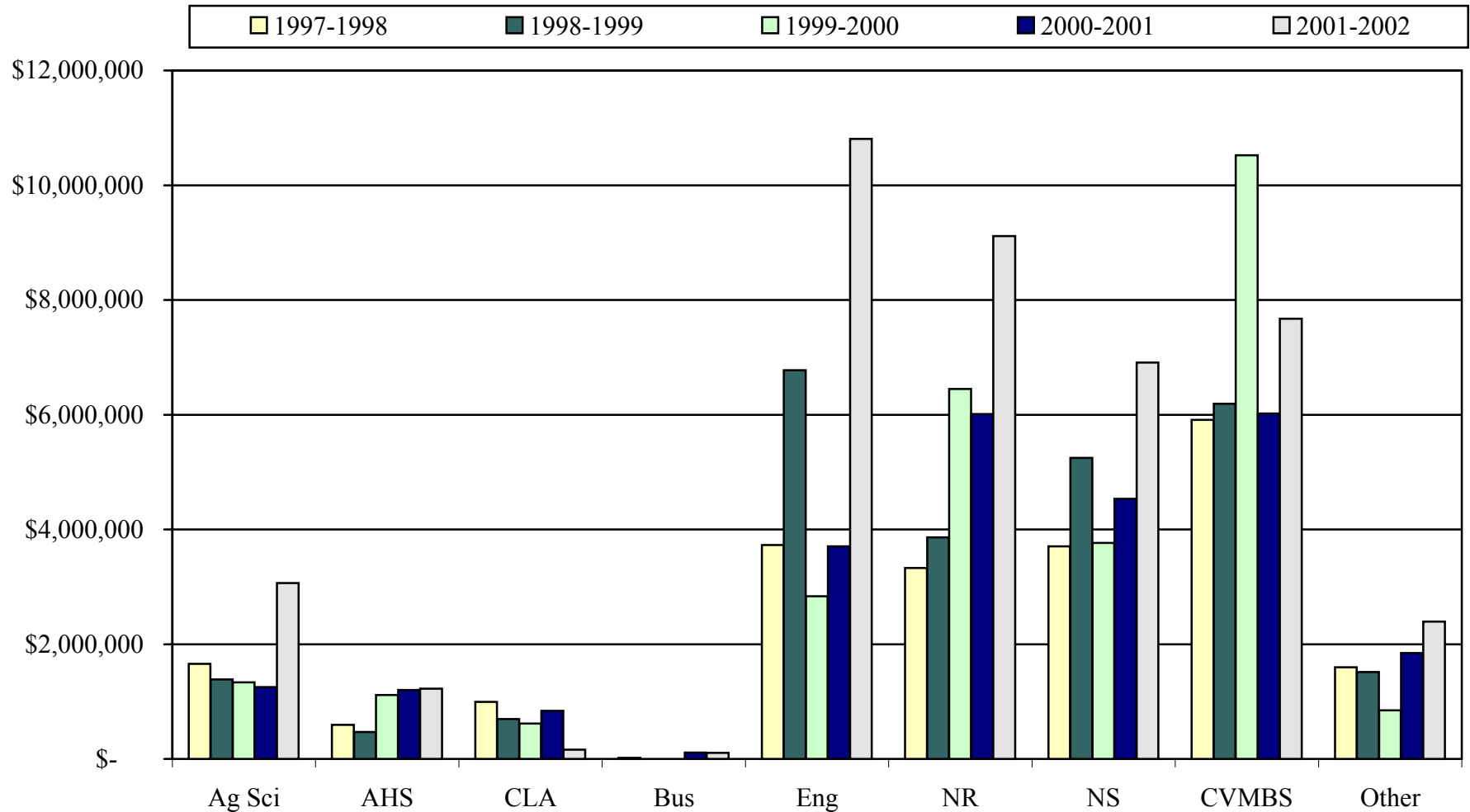
Sponsor	#	1997-1998	#	1998-1999	#	1999-2000	#	2000-2001	#	2001-2002
Commercial and Non-Profit	245	\$ 10,386,927	297	\$ 12,346,986	228	\$ 10,125,941	268	\$ 14,743,884	232	\$ 12,180,871
Foundations	15	\$ 484,042	24	\$ 529,367	20	\$ 570,459	26	\$ 808,396	21	\$ 719,576
Institutes	3	\$ 382,492	8	\$ 842,378	8	\$ 692,600	2	\$ 162,109	9	\$ 850,404
State of Colorado	88	\$ 6,181,730	77	\$ 5,203,812	69	\$ 4,284,375	72	\$ 6,452,753	77	\$ 6,369,695
<b>Subtotal of Non-Federal</b>	<b>351</b>	<b>\$ 17,435,191</b>	<b>406</b>	<b>\$ 18,922,543</b>	<b>325</b>	<b>\$ 15,673,375</b>	<b>368</b>	<b>\$ 22,167,142</b>	<b>339</b>	<b>\$ 20,120,546</b>
USDA - Department of Agriculture	92	\$ 5,535,219	126	\$ 6,566,525	103	\$ 7,207,932	142	\$ 11,579,157	145	\$ 11,198,910
DOC - Department of Commerce	15	\$ 4,502,093	26	\$ 5,149,309	19	\$ 5,016,939	24	\$ 5,593,275	28	\$ 6,124,841
DOD - Department of Defense	84	\$ 5,918,348	101	\$ 12,566,570	79	\$ 4,523,630	80	\$ 5,698,710	60	\$ 6,370,295
DOE - Department of Energy	16	\$ 1,335,749	15	\$ 992,987	6	\$ 577,357	13	\$ 1,602,717	17	\$ 2,876,808
EPA - Environmental Protection Agency	8	\$ 1,607,087	7	\$ 829,062	7	\$ 1,888,084	9	\$ 1,541,487	12	\$ 2,295,617
HHS - Health & Human Services	86	\$ 14,788,222	84	\$ 13,546,006	101	\$ 15,436,194	103	\$ 18,083,729	83	\$ 16,153,863
USDI - Department of the Interior	57	\$ 2,867,775	75	\$ 3,263,131	80	\$ 4,740,056	67	\$ 4,191,910	75	\$ 5,275,768
NASA - National Aeronautics & Space Administration	21	\$ 1,611,037	24	\$ 1,770,060	15	\$ 835,070	24	\$ 2,036,408	28	\$ 2,101,086
NSF - National Science Foundation	34	\$ 4,145,434	51	\$ 7,027,956	48	\$ 8,777,550	52	\$ 6,596,067	64	\$ 15,798,534
Miscellaneous Federal	13	\$ 2,357,518	17	\$ 2,421,462	10	\$ 2,155,238	16	\$ 2,786,873	27	\$ 5,244,221
<b>Subtotal of Federal</b>	<b>426</b>	<b>\$ 44,668,482</b>	<b>526</b>	<b>\$ 54,133,068</b>	<b>468</b>	<b>\$ 51,158,050</b>	<b>530</b>	<b>\$ 59,710,333</b>	<b>539</b>	<b>\$ 73,439,943</b>
<b>*** TOTAL ***</b>	<b>777</b>	<b>\$ 62,103,673</b>	<b>932</b>	<b>\$ 73,055,611</b>	<b>793</b>	<b>\$ 66,831,425</b>	<b>898</b>	<b>\$ 81,877,475</b>	<b>878</b>	<b>\$ 93,560,489</b>

# Awards by College

Five-Year Comparison

Second Quarter Data

October - December



# Awards by College

## Five-Year Comparison

### Second Quarter Data

### October - December

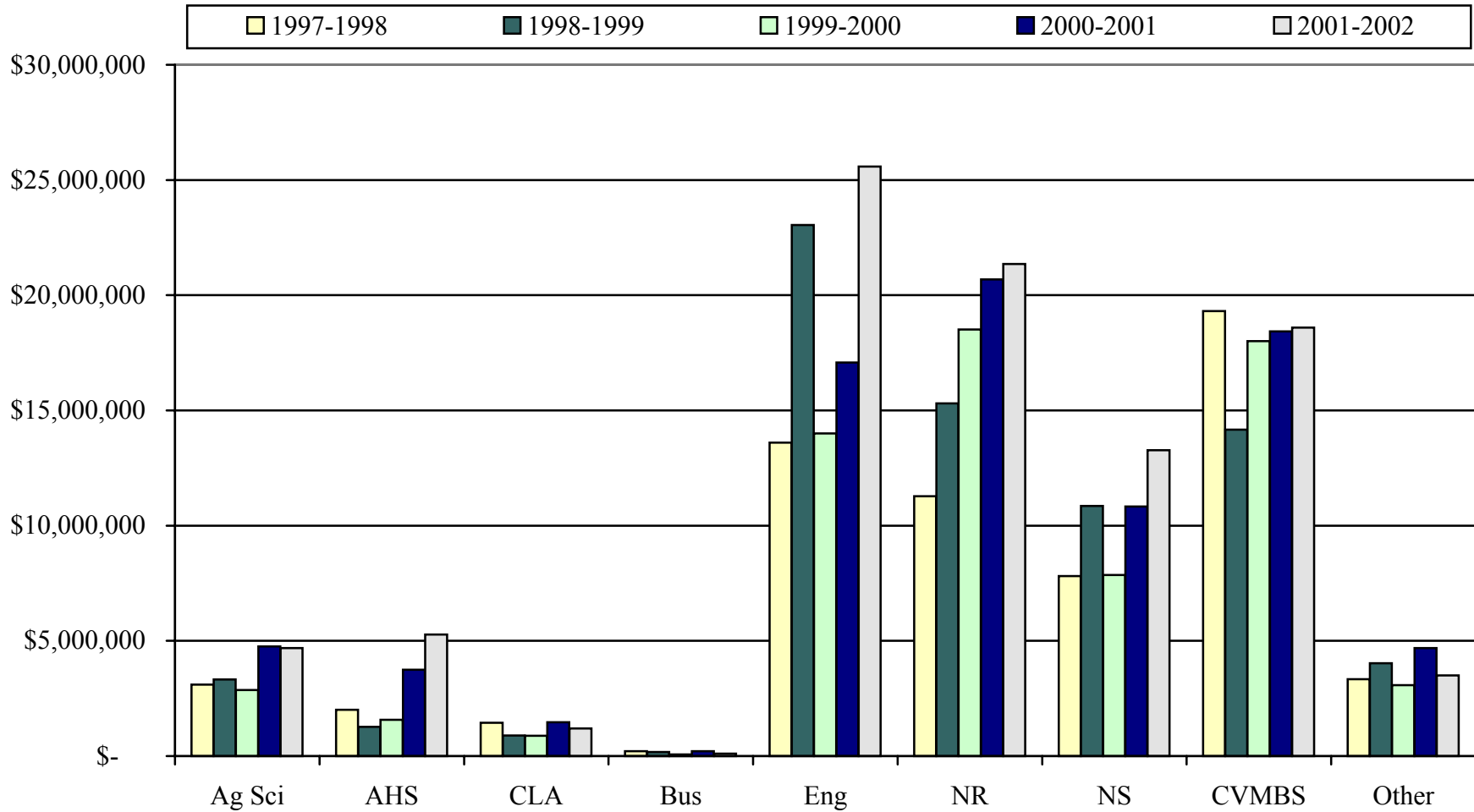
College	#	1997-1998	#	1998-1999	#	1999-2000	#	2000-2001	#	2001-2002
Ag Sci - Agricultural Sciences	39	\$ 1,657,387	43	\$ 1,384,331	27	\$ 1,335,712	33	\$ 1,253,567	33	\$ 3,064,635
AHS - Applied Human Sciences	8	\$ 594,939	11	\$ 471,646	13	\$ 1,112,625	12	\$ 1,203,330	21	\$ 1,222,354
CLA - Liberal Arts	4	\$ 993,651	3	\$ 695,731	3	\$ 615,356	4	\$ 839,749	4	\$ 162,000
Bus - Business	2	\$ 16,642	0	\$ -	0	\$ -	3	\$ 108,881	2	\$ 104,372
Eng - Engineering	57	\$ 3,729,151	80	\$ 6,776,096	50	\$ 2,834,920	61	\$ 3,704,239	81	\$ 10,809,206
NR - Natural Resources	55	\$ 3,326,456	65	\$ 3,863,330	83	\$ 6,448,041	62	\$ 6,010,721	82	\$ 9,114,491
NS - Natural Sciences	45	\$ 3,705,203	53	\$ 5,246,274	36	\$ 3,764,639	41	\$ 4,533,733	41	\$ 6,907,075
VMBS - Veterinary Medicine & Biomedical Sciences	59	\$ 5,909,993	65	\$ 6,192,964	76	\$ 10,521,504	56	\$ 6,020,136	63	\$ 7,672,560
Other	18	\$ 1,597,375	29	\$ 1,515,299	16	\$ 844,954	19	\$ 1,843,950	29	\$ 2,394,795
<b>*** TOTAL ***</b>	<b>287</b>	<b>\$ 21,530,797</b>	<b>349</b>	<b>\$ 26,145,671</b>	<b>304</b>	<b>\$ 27,477,751</b>	<b>291</b>	<b>\$ 25,518,306</b>	<b>356</b>	<b>\$ 41,451,488</b>

# Awards by College

Five-Year Comparison

Fiscal Year Data

July - December



# Awards by College

## Five-Year Comparison

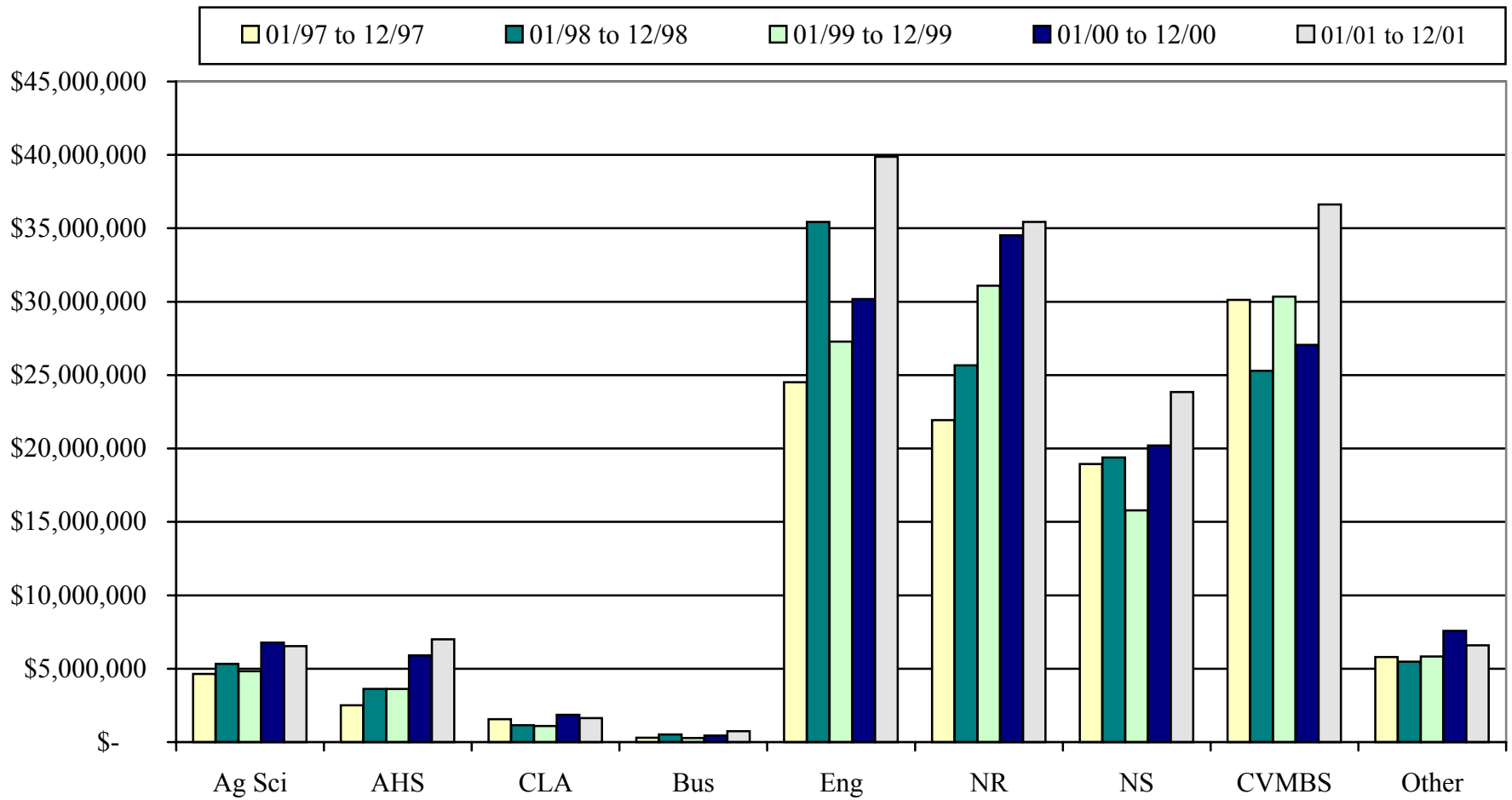
### Fiscal Year Data

### July - December

College	#	1997-1998	#	1998-1999	#	1999-2000	#	2000-2001	#	2001-2002
Ag Sci - Agricultural Sciences	96	\$ 3,102,131	102	\$ 3,325,163	74	\$ 2,860,595	79	\$ 4,755,025	71	\$ 4,682,229
AHS - Applied Human Sciences	31	\$ 2,008,415	27	\$ 1,269,382	23	\$ 1,573,606	27	\$ 3,748,339	42	\$ 5,270,199
CLA - Liberal Arts	9	\$ 1,441,344	8	\$ 891,669	10	\$ 878,386	19	\$ 1,465,261	10	\$ 1,198,174
Bus - Business	4	\$ 211,082	6	\$ 175,756	2	\$ 72,678	4	\$ 208,881	3	\$ 106,887
Eng - Engineering	150	\$ 13,605,062	193	\$ 23,040,971	144	\$ 14,004,473	168	\$ 17,074,013	186	\$ 25,582,122
NR - Natural Resources	184	\$ 11,278,551	281	\$ 15,301,490	263	\$ 18,506,713	293	\$ 20,682,312	273	\$ 21,351,932
NS - Natural Sciences	105	\$ 7,814,372	113	\$ 10,854,725	83	\$ 7,857,894	99	\$ 10,829,771	93	\$ 13,274,876
VMBS - Veterinary Medicine & Biomedical Sciences	156	\$ 19,308,586	141	\$ 14,163,577	155	\$ 18,003,986	162	\$ 18,432,559	133	\$ 18,590,833
Other	42	\$ 3,334,130	61	\$ 4,032,878	39	\$ 3,073,094	47	\$ 4,681,314	67	\$ 3,503,237
<b>*** TOTAL ***</b>	<b>777</b>	<b>\$ 62,103,673</b>	<b>932</b>	<b>\$ 73,055,611</b>	<b>793</b>	<b>\$ 66,831,425</b>	<b>898</b>	<b>\$ 81,877,475</b>	<b>878</b>	<b>\$ 93,560,489</b>

# Awards by College

Five-Year Comparison  
 Consecutive 12 Month Data  
 January - December





# Awards by College

Five-Year Comparison  
 Consecutive 12 Month Data  
 January - December

College	#	01/97 to 12/97	#	01/98 to 12/98	#	01/99 to 12/99	#	01/00 to 12/00	#	01/01 to 12/01
Agricultural Sciences	165	\$ 4,638,501	175	\$ 5,337,532	134	\$ 4,821,072	133	\$ 6,782,341	120	\$ 6,542,648
Applied Human Sciences	46	\$ 2,499,278	59	\$ 3,615,674	45	\$ 3,615,447	55	\$ 5,913,341	60	\$ 6,998,408
Liberal Arts	15	\$ 1,561,076	15	\$ 1,144,658	14	\$ 1,096,816	36	\$ 1,859,124	19	\$ 1,637,547
Business	9	\$ 293,522	14	\$ 529,043	4	\$ 280,878	6	\$ 440,881	9	\$ 748,994
Engineering	292	\$ 24,507,131	346	\$ 35,443,697	284	\$ 27,283,155	290	\$ 30,188,531	328	\$ 39,880,711
Natural Resources	321	\$ 21,925,333	514	\$ 25,668,398	486	\$ 31,086,179	509	\$ 34,534,171	503	\$ 35,427,984
Natural Sciences	238	\$ 18,939,958	218	\$ 19,381,432	182	\$ 15,779,047	184	\$ 20,210,153	199	\$ 23,848,088
Veterinary Medicine & Biomedical Sciences	265	\$ 30,118,964	267	\$ 25,298,219	284	\$ 30,340,132	270	\$ 27,065,240	258	\$ 36,619,222
Other	92	\$ 5,800,399	94	\$ 5,478,968	76	\$ 5,830,935	94	\$ 7,571,344	120	\$ 6,600,343
<b>*** TOTAL ***</b>	<b>1,443</b>	<b>\$ 110,284,162</b>	<b>1,702</b>	<b>\$ 121,897,620</b>	<b>1,509</b>	<b>\$ 120,133,661</b>	<b>1,577</b>	<b>\$ 134,565,126</b>	<b>1,616</b>	<b>\$ 158,303,945</b>

## **Section II**

### **Department Summaries**

## Agricultural Sciences

Proposals Submitted	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	<u>Current FY</u>		<u>Previous FY</u>		<u>Current FY</u>		<u>Previous FY</u>	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Agric & Resource Economics	1172	2	\$270,177	5	\$588,097	3	\$285,177	6	\$607,080
Animal Sciences	1171	12	\$671,717	3	\$284,208	13	\$747,257	5	\$327,621
Bioagricultural Sci & Pest Mgmt	1177	4	\$366,743	8	\$899,491	7	\$1,633,835	10	\$964,709
Horticulture & Landscape Arch	1173	5	\$2,064,432	6	\$1,583,780	6	\$2,150,832	7	\$2,485,419
Soil & Crop Sciences	1170	3	\$172,528	5	\$912,169	5	\$250,488	10	\$5,221,793
<b>Totals</b>		<b>26</b>	<b>\$3,545,597</b>	<b>27</b>	<b>\$4,267,745</b>	<b>34</b>	<b>\$5,067,589</b>	<b>38</b>	<b>\$9,606,622</b>

Awards Received	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	<u>Current FY</u>		<u>Previous FY</u>		<u>Current FY</u>		<u>Previous FY</u>	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Agric & Resource Economics	1172	4	\$119,442	2	\$47,600	6	\$166,960	8	\$157,709
Animal Sciences	1171	2	\$50,020	6	\$192,757	12	\$451,286	13	\$994,257
Bioagricultural Sci & Pest Mgmt	1177	15	\$1,138,569	15	\$651,680	25	\$1,426,223	25	\$874,142
Dean Of Agricultural Sciences	1101	0	\$0	1	\$43,517	0	\$0	1	\$43,517
Horticulture & Landscape Arch	1173	1	\$1,500,000	2	\$16,500	5	\$1,623,625	6	\$204,222
Soil & Crop Sciences	1170	11	\$256,604	7	\$301,513	23	\$1,014,135	26	\$2,481,178
<b>Totals</b>		<b>33</b>	<b>\$3,064,635</b>	<b>33</b>	<b>\$1,253,567</b>	<b>71</b>	<b>\$4,682,229</b>	<b>79</b>	<b>\$4,755,025</b>

## Applied Human Sciences

Proposals Submitted	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	<u>Current FY</u>		<u>Previous FY</u>		<u>Current FY</u>		<u>Previous FY</u>	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Dean Of Applied Human Sciences	1501	0	\$0	0	\$0	1	\$448,816	1	\$47,500
Dept Of Health & Exercise Sci	1582	0	\$0	3	\$356,000	1	\$44,429	3	\$356,000
Design And Merchandising	1574	1	\$198,495	0	\$0	1	\$198,495	2	\$296,418
Food Science & Human Nutrition	1571	0	\$0	3	\$274,356	1	\$2,172,620	7	\$603,959
Human Dev & Family Studies	1570	2	\$39,997	0	\$0	5	\$1,046,716	1	\$2,000
Mfg Tech & Constr Mgmt	1584	0	\$0	1	\$25,000	1	\$373,637	1	\$25,000
Occupational Therapy	1573	1	\$50,000	4	\$3,509,674	3	\$1,326,467	6	\$4,321,742
School Of Education	1588	3	\$2,709,569	1	\$630,000	5	\$3,026,174	3	\$1,973,069
Social Work	1586	2	\$104,971	2	\$310,000	3	\$194,966	2	\$310,000
<b>Totals</b>		<b>9</b>	<b>\$3,103,032</b>	<b>14</b>	<b>\$5,105,030</b>	<b>21</b>	<b>\$8,832,320</b>	<b>26</b>	<b>\$7,935,688</b>

Awards Received	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	<u>Current FY</u>		<u>Previous FY</u>		<u>Current FY</u>		<u>Previous FY</u>	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Dean Of Applied Human Sciences	1501	2	\$194,635	0	\$0	3	\$197,835	0	\$0
Dept Of Health & Exercise Sci	1582	1	\$46,283	1	\$5,075	1	\$46,283	2	\$24,965
Design And Merchandising	1574	1	\$13,000	0	\$0	2	\$28,000	1	\$19,593
Food Science & Human Nutrition	1571	2	\$25,495	3	\$701,456	5	\$947,757	7	\$2,277,442
Human Dev & Family Studies	1570	2	\$72,124	0	\$0	2	\$72,124	0	\$0
Mfg Tech & Constr Mgmt	1584	3	\$119,932	2	\$220,633	5	\$159,231	3	\$228,683
Occupational Therapy	1573	2	\$212,500	1	\$1,575	6	\$892,043	4	\$110,508
School Of Education	1588	6	\$453,385	2	\$59,094	14	\$2,551,995	6	\$797,047
Social Work	1586	2	\$85,000	3	\$215,497	4	\$374,931	4	\$290,101
<b>Totals</b>		<b>21</b>	<b>\$1,222,354</b>	<b>12</b>	<b>\$1,203,330</b>	<b>42</b>	<b>\$5,270,199</b>	<b>27</b>	<b>\$3,748,339</b>

## Business

<b>Proposals Submitted</b>	<b>Quarter Totals</b>					<b>Fiscal Year to Date Totals</b>			
	<b>Dept #</b>	<b><u>Current FY</u></b>		<b><u>Previous FY</u></b>		<b><u>Current FY</u></b>		<b><u>Previous FY</u></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>
Accounting	1271	0	\$0	1	\$17,912	0	\$0	1	\$17,912
Business College	1270	0	\$0	1	\$18,756	0	\$0	1	\$18,756
Computer Information Systems	1277	0	\$0	1	\$62,522	1	\$442,067	2	\$120,505
Dean Of Business	1201	0	\$0	1	\$616,385	0	\$0	1	\$616,385
Inst For Transportation Mgt	1276	0	\$0	0	\$0	0	\$0	1	\$42,441
Marketing	1278	1	\$732,473	0	\$0	1	\$732,473	0	\$0
<b>Totals</b>		<b>1</b>	<b>\$732,473</b>	<b>4</b>	<b>\$715,575</b>	<b>2</b>	<b>\$1,174,540</b>	<b>6</b>	<b>\$815,999</b>

<b>Awards Received</b>	<b>Quarter Totals</b>					<b>Fiscal Year to Date Totals</b>			
	<b>Dept #</b>	<b><u>Current FY</u></b>		<b><u>Previous FY</u></b>		<b><u>Current FY</u></b>		<b><u>Previous FY</u></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 Systems	1277	0	\$0	1	\$58,000	0	\$0	1	\$58,000
Inst For Transportation Mgt	1276	2	\$104,372	1	\$41,896	3	\$106,887	2	\$141,896
Management	1275	0	\$0	1	\$8,985	0	\$0	1	\$8,985
<b>Totals</b>		<b>2</b>	<b>\$104,372</b>	<b>3</b>	<b>\$108,881</b>	<b>3</b>	<b>\$106,887</b>	<b>4</b>	<b>\$208,881</b>

## Engineering

Proposals Submitted	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	<u>Current FY</u>		<u>Previous FY</u>		<u>Current FY</u>		<u>Previous FY</u>	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Atmospheric Science	1371	5	\$1,877,379	17	\$10,790,935	14	\$6,448,787	23	\$11,884,647
Chemical & Biores Engineering	1370	6	\$2,933,589	6	\$2,737,724	14	\$4,999,280	11	\$4,386,064
CIRA	1375	7	\$1,302,470	11	\$66,774,736	18	\$8,906,413	18	\$67,844,238
Civil Engineering	1372	6	\$2,081,399	10	\$3,442,260	15	\$4,621,342	23	\$8,341,106
Dean Of Engineering	1301	0	\$0	0	\$0	0	\$0	1	\$598,210
Elec. & Computer Engineering	1373	18	\$5,598,791	7	\$4,531,253	22	\$6,704,179	14	\$22,073,656
Mechanical Engineering	1374	13	\$16,605,725	2	\$251,500	19	\$18,609,416	12	\$4,845,061
<b>Totals</b>		<b>55</b>	<b>\$30,399,353</b>	<b>53</b>	<b>\$88,528,408</b>	<b>102</b>	<b>\$50,289,417</b>	<b>102</b>	<b>\$119,972,982</b>

Awards Received	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	<u>Current FY</u>		<u>Previous FY</u>		<u>Current FY</u>		<u>Previous FY</u>	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Atmospheric Science	1371	21	\$2,632,586	14	\$1,413,631	38	\$4,372,075	41	\$2,971,512
Chemical & Biores Engineering	1370	4	\$923,685	6	\$566,494	8	\$1,481,097	10	\$1,837,874
CIRA	1375	8	\$2,033,165	4	\$267,126	40	\$9,480,952	31	\$6,799,700
Civil Engineering	1372	24	\$1,979,411	17	\$386,092	51	\$4,787,699	46	\$2,645,846
Dean Of Engineering	1301	0	\$0	1	\$66,000	2	\$650,000	2	\$650,000
Elec. & Computer Engineering	1373	12	\$2,406,833	11	\$524,785	24	\$3,350,968	21	\$1,267,380
Mechanical Engineering	1374	12	\$833,526	8	\$480,111	23	\$1,459,331	17	\$901,701
<b>Totals</b>		<b>81</b>	<b>\$10,809,206</b>	<b>61</b>	<b>\$3,704,239</b>	<b>186</b>	<b>\$25,582,122</b>	<b>168</b>	<b>\$17,074,013</b>

## Liberal Arts

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
Anthropology	1787	2	\$514,947	1	\$227,515	3	\$696,693	3	\$604,346
Art	1770	0	\$0	1	\$2,500	0	\$0	1	\$2,500
English	1773	0	\$0	2	\$579,700	0	\$0	2	\$579,700
Foreign Languages & Literature	1774	0	\$0	1	\$34,096	0	\$0	2	\$128,523
Journalism & Technical Comm	1785	0	\$0	2	\$2,751,987	1	\$1,642,308	3	\$2,754,765
Music, Theatre & Dance	1778	2	\$6,750	2	\$485,511	4	\$556,856	2	\$485,511
Sociology	1784	0	\$0	0	\$0	0	\$0	3	\$402,958
<b>Totals</b>		<b>4</b>	<b>\$521,697</b>	<b>9</b>	<b>\$4,081,309</b>	<b>8</b>	<b>\$2,895,857</b>	<b>16</b>	<b>\$4,958,303</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
Anthropology	1787	0	\$0	0	\$0	1	\$14,500	2	\$136,831
Economics	1771	0	\$0	0	\$0	1	\$41,000	2	\$1,927
English	1773	2	\$8,000	0	\$0	2	\$8,000	2	\$9,231
Journalism & Technical Comm	1785	0	\$0	2	\$570,032	3	\$977,174	7	\$787,633
Music, Theatre & Dance	1778	0	\$0	0	\$0	1	\$3,500	1	\$171,841
Philosophy	1781	0	\$0	1	\$169,717	0	\$0	1	\$169,717
Political Science	1782	0	\$0	0	\$0	0	\$0	1	\$8,500
Sociology	1784	2	\$154,000	1	\$100,000	2	\$154,000	3	\$179,581
<b>Totals</b>		<b>4</b>	<b>\$162,000</b>	<b>4</b>	<b>\$839,749</b>	<b>10</b>	<b>\$1,198,174</b>	<b>19</b>	<b>\$1,465,261</b>

## Natural Resources

<b>Proposals Submitted</b>	<b>Quarter Totals</b>					<b>Fiscal Year to Date Totals</b>			
	<b>Dept #</b>	<b><u>Current FY</u></b>		<b><u>Previous FY</u></b>		<b><u>Current FY</u></b>		<b><u>Previous FY</u></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>
CEMML	1490	2	\$429,260	0	\$0	5	\$5,169,049	0	\$0
Coop Fish & Wildlife Research	1484	0	\$0	0	\$0	2	\$335,382	1	\$1,420,268
Earth Resources	1482	4	\$671,327	5	\$894,173	6	\$1,117,580	6	\$912,173
Fish & Wildlife Biology	1474	14	\$1,894,459	25	\$4,530,827	37	\$2,854,854	37	\$7,851,866
Forest Sciences	1470	0	\$0	8	\$7,803,374	4	\$951,867	14	\$8,873,136
Nat Res Recreation & Tourism	1480	3	\$781,075	0	\$0	3	\$781,075	3	\$375,000
Natural Resource Ecology Lab	1499	9	\$6,624,653	22	\$14,396,115	17	\$7,909,544	28	\$15,506,235
Rangeland Ecosystem Science	1478	0	\$0	3	\$564,040	0	\$0	4	\$609,495
<b>Totals</b>		<b>32</b>	<b>\$10,400,774</b>	<b>63</b>	<b>\$28,188,529</b>	<b>74</b>	<b>\$19,119,351</b>	<b>93</b>	<b>\$35,548,173</b>

<b>Awards Received</b>	<b>Quarter Totals</b>					<b>Fiscal Year to Date Totals</b>			
	<b>Dept #</b>	<b><u>Current FY</u></b>		<b><u>Previous FY</u></b>		<b><u>Current FY</u></b>		<b><u>Previous FY</u></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>
CEMML	1490	20	\$2,091,687	0	\$0	80	\$5,805,033	0	\$0
Coop Fish & Wildlife Research	1484	2	\$292,667	0	\$0	15	\$877,710	18	\$1,265,120
Dean Of Natural Resources	1401	0	\$0	0	\$0	0	\$0	2	\$110,007
Earth Resources	1482	7	\$345,647	4	\$92,566	14	\$592,226	19	\$621,016
Fish & Wildlife Biology	1474	35	\$919,842	15	\$292,668	91	\$3,770,736	68	\$1,764,584
Forest Sciences	1470	4	\$721,662	26	\$3,941,216	15	\$988,666	114	\$10,948,117
Nat Res Recreation & Tourism	1480	1	\$149,400	2	\$27,840	6	\$235,737	11	\$237,733
Natural Resource Ecology Lab	1499	10	\$3,984,586	13	\$1,644,331	37	\$8,093,368	45	\$5,379,604
Rangeland Ecosystem Science	1478	3	\$609,000	2	\$12,100	15	\$988,456	16	\$356,131
<b>Totals</b>		<b>82</b>	<b>\$9,114,491</b>	<b>62</b>	<b>\$6,010,721</b>	<b>273</b>	<b>\$21,351,932</b>	<b>293</b>	<b>\$20,682,312</b>



## Natural Sciences

Proposals Submitted	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	<u>Current FY</u>		<u>Previous FY</u>		<u>Current FY</u>		<u>Previous FY</u>	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Biochemistry & Molecular Bio	1870	3	\$1,019,325	2	\$895,200	9	\$2,443,887	4	\$1,729,563
Biology	1878	4	\$320,170	10	\$2,840,552	10	\$4,691,624	21	\$8,363,843
Center For Sci, Math & Tech Ed	1802	0	\$0	1	\$1,494,484	0	\$0	1	\$1,494,484
Chemistry	1872	11	\$4,270,314	6	\$2,376,692	28	\$13,844,926	15	\$7,277,669
Computer Science	1873	10	\$4,681,193	1	\$2,137,296	11	\$5,016,434	5	\$2,813,880
Dean Of Natural Sciences	1801	0	\$0	1	\$105,600	0	\$0	1	\$105,600
Mathematics	1874	3	\$817,686	6	\$813,529	6	\$1,154,557	7	\$833,126
Physics	1875	2	\$108,438	3	\$679,076	8	\$2,529,911	6	\$3,696,896
Psychology	1876	4	\$1,240,500	3	\$7,331,370	5	\$1,979,711	8	\$8,546,384
Statistics	1877	5	\$1,858,577	4	\$834,691	8	\$2,049,520	5	\$894,240
<b>Totals</b>		<b>42</b>	<b>\$14,316,203</b>	<b>37</b>	<b>\$19,508,490</b>	<b>85</b>	<b>\$33,710,570</b>	<b>73</b>	<b>\$35,755,685</b>

Awards Received	Quarter Totals					Fiscal Year to Date Totals			
	Dept #	<u>Current FY</u>		<u>Previous FY</u>		<u>Current FY</u>		<u>Previous FY</u>	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
Biochemistry & Molecular Bio	1870	11	\$2,579,009	8	\$1,390,327	16	\$3,273,287	18	\$2,080,962
Biology	1878	2	\$143,000	3	\$150,642	9	\$1,156,359	10	\$710,431
Center For Sci, Math & Tech Ed	1802	2	\$1,152,866	4	\$213,011	2	\$1,152,866	6	\$394,777
Chemistry	1872	5	\$479,071	7	\$757,796	19	\$3,035,112	24	\$2,256,516
Computer Science	1873	1	\$33,000	5	\$773,580	6	\$524,260	6	\$840,964
Dean Of Natural Sciences	1801	0	\$0	0	\$0	1	\$52,800	0	\$0
Mathematics	1874	2	\$169,258	4	\$235,171	5	\$413,287	7	\$483,027
Physics	1875	5	\$402,521	6	\$445,182	12	\$607,039	10	\$538,887
Psychology	1876	6	\$847,646	2	\$440,475	12	\$1,818,285	11	\$3,229,093
Statistics	1877	7	\$1,100,704	2	\$127,549	11	\$1,241,581	7	\$295,114
<b>Totals</b>		<b>41</b>	<b>\$6,907,075</b>	<b>41</b>	<b>\$4,533,733</b>	<b>93</b>	<b>\$13,274,876</b>	<b>99</b>	<b>\$10,829,771</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	2	\$3,098,150	5	\$3,279,802	2	\$3,098,150	6	\$3,527,895
Clinical Sciences	1678	13	\$2,867,004	10	\$1,171,303	20	\$3,121,788	15	\$1,640,751
Dean Of Vet Medicine	1601	1	\$40,020	1	\$30,000	1	\$40,020	1	\$30,000
Environmental Health	1676	6	\$1,386,179	5	\$6,075,739	14	\$4,864,611	10	\$7,645,361
Microbiology	1677	4	\$3,463,717	4	\$616,582	12	\$13,585,842	11	\$2,276,913
Pathology	1671	2	\$2,294,366	2	\$1,951,973	8	\$5,790,556	4	\$5,651,368
Physiology	1672	2	\$205,274	8	\$5,315,789	7	\$1,985,703	11	\$7,392,281
Radiological Health Sciences	1673	5	\$5,285,681	2	\$1,168,784	10	\$5,891,647	4	\$1,691,351
<b>Totals</b>		<b>35</b>	<b>\$18,640,391</b>	<b>37</b>	<b>\$19,609,972</b>	<b>74</b>	<b>\$38,378,317</b>	<b>62</b>	<b>\$29,855,920</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	3	\$268,296	4	\$327,658	11	\$1,981,336	16	\$1,999,728
Clinical Sciences	1678	17	\$650,306	19	\$1,378,733	28	\$1,789,832	33	\$1,720,589
Dean Of Vet Medicine	1601	2	\$185,000	0	\$0	2	\$185,000	1	\$166,716
Environmental Health	1676	15	\$3,026,315	10	\$1,239,082	29	\$4,670,184	30	\$4,101,604
Microbiology	1677	7	\$1,285,568	9	\$1,305,972	24	\$4,644,321	29	\$5,203,896
Pathology	1671	4	\$159,198	3	\$659,853	13	\$1,321,712	26	\$2,344,720
Physiology	1672	10	\$1,621,513	7	\$733,290	11	\$2,045,397	17	\$2,061,216
Radiological Health Sciences	1673	5	\$476,364	4	\$375,548	15	\$1,953,051	10	\$834,090
<b>Totals</b>		<b>63</b>	<b>\$7,672,560</b>	<b>56</b>	<b>\$6,020,136</b>	<b>133</b>	<b>\$18,590,833</b>	<b>162</b>	<b>\$18,432,559</b>

**Other**

<b>Proposals Submitted</b>	<b>Quarter Totals</b>				<b>Fiscal Year to Date Totals</b>				
	<b>Dept #</b>	<b><u>Current FY</u></b>		<b><u>Previous FY</u></b>		<b><u>Current FY</u></b>		<b><u>Previous FY</u></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>
Academic Advancement Center	8100	0	\$0	0	\$0	0	\$0	1	\$1,457,030
Colo Water Resources Res Inst	2033	0	\$0	0	\$0	1	\$120,000	0	\$0
Cooperative Extension	4040	1	\$5,300	5	\$354,976	2	\$19,800	7	\$3,127,275
Graduate School	2015	0	\$0	0	\$0	0	\$0	1	\$220,000
Hughes Un Bio-Ctr Life Science	1031	1	\$2,194,861	0	\$0	1	\$2,194,861	0	\$0
San Luis Valley Research Ctr	3043	0	\$0	0	\$0	1	\$5,000	0	\$0
University Health Services	8031	0	\$0	0	\$0	0	\$0	1	\$171,947
University Police	6023	1	\$67,989	0	\$0	1	\$67,989	0	\$0
V P Research & Info Technology	2001	0	\$0	0	\$0	1	\$270,000	0	\$0
<b>Totals</b>		<b>3</b>	<b>\$2,268,150</b>	<b>5</b>	<b>\$354,976</b>	<b>7</b>	<b>\$2,677,650</b>	<b>10</b>	<b>\$4,976,252</b>

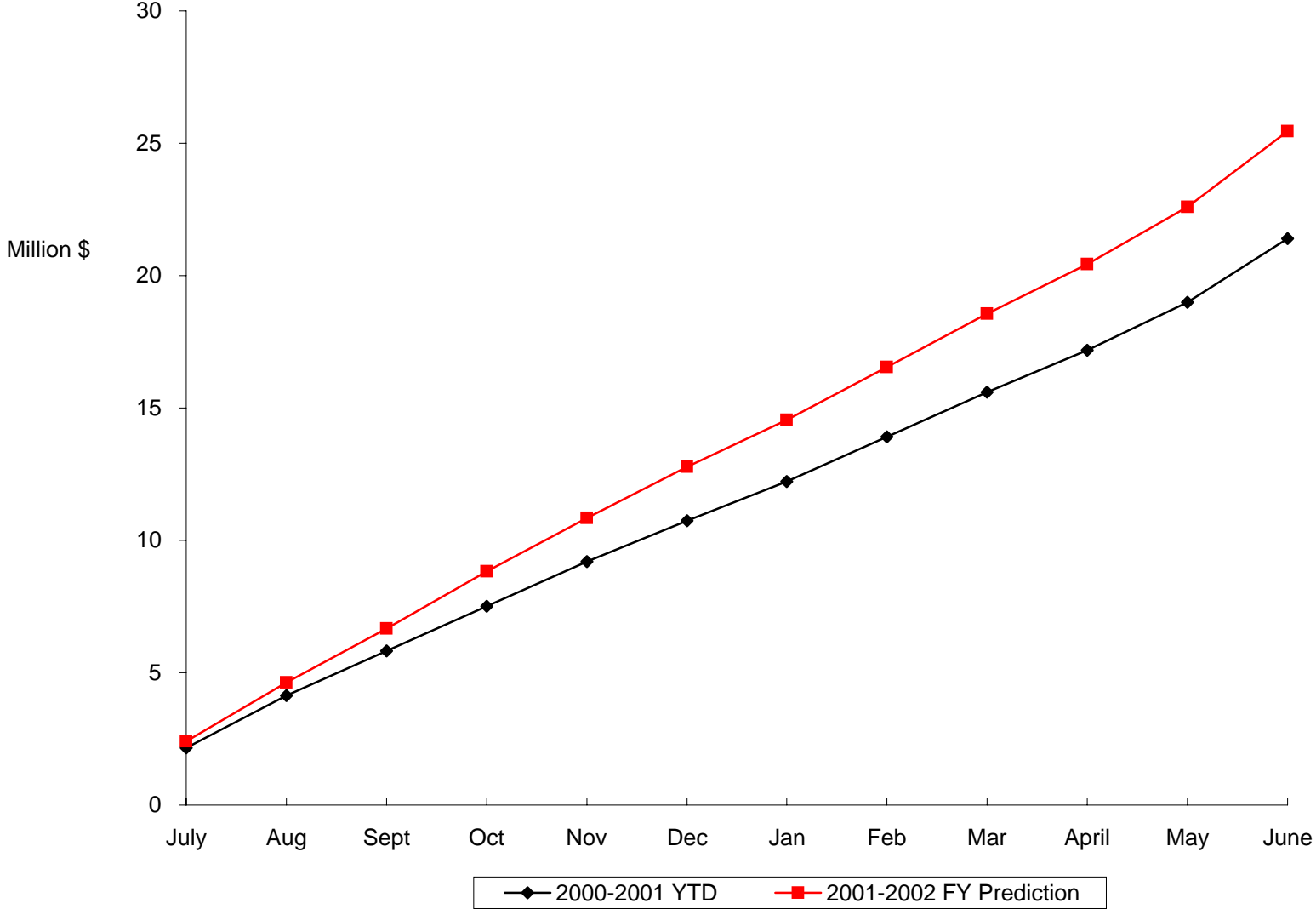
**Other**

<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>
Academic Advancement Center	8100	1	\$37,333	0	\$0	3	\$58,360	1	\$267,119
Agric Experiment Station	3001	2	\$128,550	2	\$29,548	4	\$136,550	3	\$34,548
Center Educ Access & Outreach	8005	1	\$451,278	0	\$0	2	\$455,081	3	\$833,263
Colo Water Resources Res Inst	2033	2	\$130,000	1	\$10,000	3	\$136,000	3	\$30,000
Colorado State Forest Svc-Csu	5060	0	\$0	0	\$0	0	\$0	1	\$278,416
Cooperative Extension	4040	10	\$668,920	2	\$1,313,612	18	\$853,729	4	\$1,803,437
Educ Outreach-Administration	1040	0	\$0	2	\$127,450	0	\$0	2	\$127,450
El Centro Student Services	8017	0	\$0	0	\$0	0	\$0	1	\$1,500
Graduate School	2015	1	\$1,000	0	\$0	10	\$457,482	8	\$413,927
Housing	8032	1	\$58,000	0	\$0	1	\$58,000	1	\$55,500
Hughes Un Bio-Ctr Life Science	1031	5	\$395,600	0	\$0	5	\$395,600	0	\$0
International Programs	1024	0	\$0	0	\$0	2	\$126,937	1	\$17,247
Provost/Academic V P	1001	1	\$4,400	0	\$0	1	\$4,400	0	\$0
San Luis Valley Research Ctr	3043	2	\$131,596	8	\$164,842	10	\$258,636	11	\$317,002
Service Learning & Voluntr Pgm	8040	0	\$0	1	\$133,656	1	\$139,955	1	\$133,656
Southwestern Colorado Res Ctr	3050	0	\$0	1	\$2,649	0	\$0	1	\$2,649
Student Center	8033	1	\$4,000	0	\$0	1	\$4,000	1	\$1,500
Talent Search Program	0011	1	\$317,726	0	\$0	2	\$327,726	2	\$300,907
University Police	6023	1	\$66,392	1	\$61,081	2	\$67,392	2	\$62,081
V P Research & Info Technology	2001	0	\$0	1	\$1,112	0	\$0	1	\$1,112
Western Colorado Research Ctr	3046	0	\$0	0	\$0	2	\$23,389	0	\$0
<b>Totals</b>		<b>29</b>	<b>\$2,394,795</b>	<b>19</b>	<b>\$1,843,950</b>	<b>67</b>	<b>\$3,503,237</b>	<b>47</b>	<b>\$4,681,314</b>

## **Section III**

### **Indirect Cost Earning Projections**

### Research Indirect Cost Recoveries 2001-2002



Based on Previous Year

AVERAGE PERCENT OF INDIRECT COST RECOVERIES FROM RESEARCH FUNDS (5-3 Accounts) FY 2001-20002

	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June
Ag Sciences	12%	21%	25%	33%	42%	47%	55%	62%	71%	79%	87%	100%
Business	9%	15%	23%	31%	34%	40%	53%	60%	69%	80%	86%	100%
Engineering	10%	20%	27%	35%	42%	49%	56%	64%	72%	80%	89%	100%
Natural Resources	11%	20%	28%	38%	45%	52%	57%	66%	72%	80%	88%	100%
Applied Human Sci	9%	17%	24%	31%	43%	49%	57%	64%	72%	80%	90%	100%
Vet Medicine	9%	17%	25%	33%	41%	49%	57%	65%	74%	81%	90%	100%
Liberal Arts	12%	21%	26%	33%	41%	50%	58%	67%	74%	82%	90%	100%
Natural Sciences	13%	22%	30%	38%	45%	52%	59%	66%	73%	80%	88%	100%
Extension Service	10%	23%	39%	46%	56%	61%	65%	72%	76%	82%	92%	100%
VP Student Affairs	4%	11%	17%	23%	29%	35%	49%	56%	65%	80%	92%	100%
Other	5%	11%	37%	47%	55%	63%	70%	79%	83%	88%	94%	100%
TOTAL	10%	19%	27%	35%	43%	50%	57%	65%	73%	80%	89%	100%

Calculations based on 8 decimal places. Rounded percentages only are shown here

ACTUAL INDIRECT COST RECOVERIES FROM RESEARCH FUNDS (5-3 ACCOUNTS) Fiscal Year Ending June 30, 2001

	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	ACTUAL
Ag Sciences	42,484	77,909	115,998	166,071	204,043	262,488							556,597
Business	38,334	60,381	80,449	105,798	120,021	136,526							341,648
Engineering	733,280	1,322,352	1,890,949	2,466,125	3,062,589	3,589,795							7,325,363
Natural Resources	294,178	864,587	1,278,773	1,684,622	2,036,796	2,362,064							4,532,106
Applied Human Sci	97,247	173,872	254,444	329,436	421,441	502,369							1,017,400
Vet Medicine	635,350	1,150,415	1,703,814	2,318,077	2,902,357	3,462,194							7,074,136
Liberal Arts	36,965	50,979	64,888	57,303	79,615	91,192							182,930
Natural Sciences	510,585	872,052	1,218,730	1,624,655	1,937,157	2,268,242							4,360,567
Extension Service	14,680	29,545	38,475	50,675	58,682	65,096							106,316
VP Student Affairs	2,808	5,879	9,069	12,494	15,653	18,353							52,325
Other	5,954	12,157	14,660	8,114	11,934	15,327							24,423
2001-2002 Actual	2,411,865	4,620,128	6,670,249	8,823,371	10,850,287	12,773,645							25,573,812 *
2000-2001 YTD	2,166,617	4,132,067	5,833,300	7,502,153	9,191,578	10,740,178	12,229,430	13,917,829	15,599,552	17,173,380	18,999,584	21,404,294	25,456,827 **

\*Projection based on each COLLEGE recovering same average percent of their total year's recover

\*\*Projection based on the UNIVERSITY recovering same average percent of its total year's recover

Based on Previous 2 Years

AVERAGE PERCENT OF INDIRECT COST RECOVERIES FROM RESEARCH FUNDS (5-3 Accounts) FY 2001-20002

	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June
Ag Sciences	11%	19%	25%	29%	36%	45%	52%	62%	70%	76%	86%	100%
Business	11%	16%	22%	31%	36%	42%	53%	60%	68%	81%	88%	100%
Engineering	10%	19%	27%	34%	41%	49%	56%	64%	72%	80%	89%	100%
Natural Resources	10%	19%	28%	37%	45%	51%	57%	65%	73%	80%	88%	100%
Applied Human Sci	8%	15%	23%	30%	40%	47%	55%	62%	71%	80%	89%	100%
Vet Medicine	9%	17%	26%	33%	42%	49%	57%	65%	74%	81%	90%	100%
Liberal Arts	11%	19%	24%	30%	37%	49%	56%	64%	72%	80%	89%	100%
Natural Sciences	13%	21%	29%	37%	44%	51%	58%	65%	72%	79%	87%	100%
Extension Service	15%	25%	24%	32%	43%	50%	56%	63%	69%	77%	87%	100%
VP Student Affairs	9%	18%	27%	36%	38%	45%	55%	61%	68%	80%	90%	100%
Other	8%	15%	38%	48%	51%	58%	65%	72%	77%	129%	141%	100%
TOTAL	10%	19%	27%	35%	42%	50%	57%	64%	72%	80%	89%	100%

Calculations based on 8 decimal places. Rounded percentages only are shown here

ACTUAL INDIRECT COST RECOVERIES FROM RESEARCH FUNDS (5-3 ACCOUNTS) Fiscal Year Ending June 30, 2001

	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	ACTUAL
Ag Sciences	42,484	77,909	115,998	166,071	204,043	262,488							581,490
Business	38,334	60,381	80,449	105,798	120,021	136,526							323,918
Engineering	733,280	1,322,352	1,890,949	2,466,125	3,062,589	3,589,795							7,321,234
Natural Resources	294,178	864,587	1,278,773	1,684,622	2,036,796	2,362,064							4,597,004
Applied Human Sci	97,247	173,872	254,444	329,436	421,441	502,369							1,063,979
Vet Medicine	635,350	1,150,415	1,703,814	2,318,077	2,902,357	3,462,194							7,055,357
Liberal Arts	36,965	50,979	64,888	57,303	79,615	91,192							187,273
Natural Sciences	510,585	872,052	1,218,730	1,624,655	1,937,157	2,268,242							4,423,556
Extension Service	14,680	29,545	38,475	50,675	58,682	65,096							130,878
VP Student Affairs	2,808	5,879	9,069	12,494	15,653	18,353							41,125
Other	5,954	12,157	14,660	8,114	11,934	15,327							26,352
2001-2002 Actual	2,411,865	4,620,128	6,670,249	8,823,371	10,850,287	12,773,645							25,752,165 *
2000-2001 YTD	2,166,617	4,132,067	5,833,300	7,502,153	9,191,578	10,740,178	12,229,430	13,917,829	15,599,552	17,173,380	18,999,584	21,404,294	25,686,683 **

\*Projection based on each COLLEGE recovering same average percent of their total year's recover

\*\*Projection based on the UNIVERSITY recovering same average percent of its total year's recover



Based on Previous 3 Years

AVERAGE PERCENT OF INDIRECT COST RECOVERIES FROM RESEARCH FUNDS (5-3 Accounts) FY 2001-20002

	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June
Ag Sciences	11%	19%	26%	31%	38%	45%	51%	61%	68%	76%	85%	100%
Business	10%	15%	20%	26%	32%	37%	46%	56%	66%	79%	87%	100%
Engineering	10%	20%	27%	35%	42%	50%	57%	64%	72%	80%	89%	100%
Natural Resources	10%	19%	28%	36%	44%	51%	57%	65%	72%	80%	88%	100%
Applied Human Sci	9%	16%	24%	30%	39%	46%	53%	60%	70%	79%	89%	100%
Vet Medicine	8%	16%	25%	33%	41%	48%	56%	64%	73%	81%	89%	100%
Liberal Arts	12%	20%	25%	31%	37%	48%	55%	63%	71%	80%	88%	100%
Natural Sciences	12%	21%	29%	36%	43%	50%	57%	64%	71%	78%	87%	100%
Extension Service	13%	21%	22%	29%	39%	46%	52%	59%	66%	74%	83%	100%
VP Student Affairs	9%	19%	28%	36%	39%	46%	55%	61%	68%	80%	89%	100%
Other	9%	18%	36%	44%	49%	57%	62%	70%	74%	115%	125%	100%
TOTAL	10%	19%	27%	34%	42%	49%	56%	64%	72%	80%	88%	100%

Calculations based on 8 decimal places. Rounded percentages only are shown here

ACTUAL INDIRECT COST RECOVERIES FROM RESEARCH FUNDS (5-3 ACCOUNTS) Fiscal Year Ending June 30, 2001

	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	ACTUAL
Ag Sciences	42,484	77,909	115,998	166,071	204,043	262,488							581,758
Business	38,334	60,381	80,449	105,798	120,021	136,526							373,473
Engineering	733,280	1,322,352	1,890,949	2,466,125	3,062,589	3,589,795							7,218,865
Natural Resources	294,178	864,587	1,278,773	1,684,622	2,036,796	2,362,064							4,601,988
Applied Human Sci	97,247	173,872	254,444	329,436	421,441	502,369							1,090,463
Vet Medicine	635,350	1,150,415	1,703,814	2,318,077	2,902,357	3,462,194							7,156,293
Liberal Arts	36,965	50,979	64,888	57,303	79,615	91,192							189,302
Natural Sciences	510,585	872,052	1,218,730	1,624,655	1,937,157	2,268,242							4,506,689
Extension Service	14,680	29,545	38,475	50,675	58,682	65,096							140,248
VP Student Affairs	2,808	5,879	9,069	12,494	15,653	18,353							39,851
Other	5,954	12,157	14,660	8,114	11,934	15,327							27,094
2001-2002 Actual	2,411,865	4,620,128	6,670,249	8,823,371	10,850,287	12,773,645							25,926,023 *
2000-2001 YTD	2,166,617	4,132,067	5,833,300	7,502,153	9,191,578	10,740,178	12,229,430	13,917,829	15,599,552	17,173,380	18,999,584	21,404,294	25,828,491 **

\*Projection based on each COLLEGE recovering same average percent of their total year's recover

\*\*Projection based on the UNIVERSITY recovering same average percent of its total year's recover

## **Section IV**

### **Proposals Submitted**

## Agricultural Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Loureiro, Maria L Umberger, Wendy J	Primary PI Co-PI	Agric & Resource Economics USDA - US Department of Agriculture	Country-of-Origin Labeling & Traceability of Beef: Estimating Consumer Response & Industry Cost	8/30/02 - 8/30/03	02391201 12767	\$172,753
Pritchett, James G Umberger, Wendy J Hine, Susan E	Primary PI Co-PI Collaborator	Agric & Resource Economics USDA - US Department of Agriculture	Strategic & Financial Planning for Cooperatives Pursuing Sustainability	10/1/02 - 9/30/04	02369201 12469	\$97,424
Belk, Keith Scanga, John A Smith, Gary C	Primary PI Co-PI Co-PI	Animal Sciences National Pork Producers Council	Competitive Disparities for U.S. Pork in Export Markets	1/1/02 - 7/30/02	02383301 12681	\$118,042
Belk, Keith Scanga, John A Smith, Gary C Sofos, John N	Primary PI Co-PI Co-PI Co-PI	Animal Sciences National Pork Producers Council	Improving the Safety of Pork Cuts Using Microbiological Decontamination Interventions During Fabrication...	4/1/02 - 3/31/03	02365001 12497	\$24,920
Belk, Keith Scanga, John A Smith, Gary C Sofos, John N	Primary PI Co-PI Co-PI Co-PI	Animal Sciences National Pork Producers Council	Incidence & Antimicrobial Resistance of Salmonella spp Obtained from Pigs & Pork Carcasses	4/1/02 - 3/31/03	02365201 12495	\$24,400
Belk, Keith Scanga, John A Sofos, John N	Primary PI Co-PI Co-PI	Animal Sciences National Pork Producers Council	Incidence of Listeria spp Present in Condensation within Pork Fabrication Facilities	4/1/02 - 4/1/03	02365301 12509	\$24,770
Belk, Keith Grandin, Temple Ransom, Justin R Scanga, John A Sofos, John N	Primary PI Co-PI Co-PI Co-PI Co-PI	Animal Sciences ** AMIF - American Meat Institute Foundatio	Investigation of Potential On-Farm Management Practices as Beef Microbiological Interventions	2/1/02 - 5/1/03	02382001 12640	\$197,976
Bruemmer, Jason Denniston, David J	Primary PI Co-PI	Animal Sciences AQHA-American Quarter Horse Assoc.	LH Suppression & Postponement of Ovulation in the Mare	10/1/02 - 9/30/03	02396701 12843	\$42,722

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Proposals Submitted - 1

## Agricultural Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Irlbeck,Nancy A	Primary PI	<b>Animal Sciences **</b> USDA - US Department of Agriculture	Nutritional/Reproductive Implications of Feeding Cull Onions (Allium cepa) to White-faced Sheep	9/26/01 - 5/15/02	02368601 12508	\$51,797
Scanga,John A Belk,Keith Smith,Gary C	Primary PI Co-PI Co-PI	<b>Animal Sciences</b> National Pork Producers Council	The Use of Video Image Analysis & Instrumentation to Predict Fresh Pork Quality	4/1/02 - 3/31/03	02365101 12496	\$30,400
Siciliano,Paul D Engle,Terry E	Primary PI Collaborator	<b>Animal Sciences</b> Zinpro Corporation	Effect of Selenium Source on Equine Selenium Status	10/30/01 - 11/1/02	02368401 12503	\$13,457
Sofos,John N Belk,Keith Scanga,John A Schmidt,Glenn R Smith,Gary C	Primary PI Co-PI Co-PI Co-PI Co-PI	<b>Animal Sciences</b> AMIF - American Meat Institute Foundatio	Control of Listeria Monocytogenes while Maintaining Acceptable Quality/Palatability of Processed Meat Products	2/1/02 - 2/1/03	02382101 12659	\$46,996
Sofos,John N Belk,Keith Scanga,John A Smith,Gary C	Primary PI Co-PI Co-PI Co-PI	<b>Animal Sciences</b> National Pork Producers Council	Optimization of Antimicrobials for Control of Listeria Monocytogens & for Acceptable Pork Product Quality	4/1/02 - 3/31/03	02365401 12487	\$24,950
Zalesky,Douglas D Mallow,Kevin L Grant,D Kent Lashell,Beth A.S Vlaming,Gregory L	Primary PI Co-PI Collaborator Collaborator Collaborator	<b>Animal Sciences **</b> USDA - US Department of Agriculture	Creation of a Sustainable, Diversified Small Acreage Production Research & Demonstration Area	10/1/02 - 10/1/05	02369301 12488	\$71,287
Beck,K George Ward,Sarah M	Primary PI Co-PI	<b>Bioagriculturl Sci &amp; Pest Mgmt **</b> USDA-CSREES-Coop State Rsrch Edu & Ext	Defining Genetic Variability of Yellow Toadflax As A First Step to Develop A Successful Biocontrol Program	4/1/02 - 3/31/05	02385801 12682	\$117,249

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## Agricultural Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Hammon,Robert W Cooley,Aubrey Wayne Hooten,Thomas M Larsen,Harold J Sharp,Rodney L Smith,Kenneth W Stack,Mark W	Primary PI Collaborator Collaborator Collaborator Collaborator Collaborator	Bioagriculturl Sci & Pest Mgmt ** USDA-CSREES-Coop State Rsrch Edu & Ext	Extending Irrigated Alfalfa Stand Life by Alteration of Late-Season Harvest Schedules	10/1/02 - 9/30/05	02364201 12449	\$64,223
Norton,Andrew P Caspari,Horst W Larsen,Harold J	Primary PI Collaborator Collaborator	Bioagriculturl Sci & Pest Mgmt ** USDA-CSREES-Coop State Rsrch Edu & Ext	Integrating Control Strategies for Grape Powdery Mildew	7/1/02 - 6/30/04	02385901 12683	\$38,660
Schwartz,Howard F Bartolo,Michael E Franc,Gary D Ishimaru,Carol A	Primary PI Collaborator Collaborator Collaborator	Bioagriculturl Sci & Pest Mgmt ** USDA - US Department of Agriculture	Effects of Cultural Practices & Cropping System on Xanthomas	7/1/02 - 6/30/05	02391001 12779	\$146,611
Larsen,Harold J	Primary PI	Horticulture & Landscape Arch USDA-CSREES-Coop State Rsrch Edu & Ext	Utilization of Orchard Ecosystem Biology & Host Plant Resistance for Managing Soilborne Diseases of Apple	6/1/02 - 5/31/05	02383701 12686	\$8,000
Qian,Yaling Cardon,Grant E Davis,Jessica G Koski,Anthony J	Primary PI Co-PI Co-PI Co-PI	Horticulture & Landscape Arch ** USDA - US Department of Agriculture	Amending Disturbed Urban Soil with Composted Manure to Reduce Turf Water Requirements & Protect Water Quality	5/1/02 - 5/1/05	02380701 12643	\$262,452
Stushnoff,Cecil	Primary PI	Horticulture & Landscape Arch Natl Cattlemen's Beef Association	Pre-Clinical Evaluation of Beef & Plant Food Combinations on the Induction of Oxidative DNA Damage . . .	5/1/02 - 4/30/04	02389701 12774	\$93,980
Vivanco,Jorge M	Primary PI	Horticulture & Landscape Arch Herman Frasch Foundation	Chemical & Biochemical Studies on the Scope & Mechanism of Phytotoxicity of (-)-Catechin	7/1/02 - 6/30/07	02365701 12466	\$200,000
Wallner,Stephen J Rewerts,Milan A Sommers,Lee E	Primary PI Collaborator Collaborator	Horticulture & Landscape Arch ** Colorado Department of Agriculture	Colorado Specialty Crops Program	1/1/02 - 12/31/06	02384001 12689	\$1,500,000

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Proposals Submitted - 3

## Agricultural Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Berrada,Abdelfettah Hooten,Thomas M	Primary PI Co-PI USDA-ARS-Agricultural Research Service	Soil & Crop Sciences	Evaluation of the Chickpea Core Collection for Drought Tolerance	4/1/02 - 12/31/03	02364601 12456	\$12,610
Davis,Jessica G Card,Adrian . Hine,Susan E Lamm,W Dennis Thilmany,Dawn D	Primary PI Co-PI USDA - US Department of Agriculture	Soil & Crop Sciences **	Establishing Dialogue Between Alternative Agriculture Producers & the Land-Grant University in Colorado	10/1/02 - 9/30/04	02369401 12491	\$60,000
Davis,Jessica G Qian,Yaling	Primary PI Co-PI EPA - Environmental Protection Agency	Soil & Crop Sciences **	Transporting Composted Manure from Feedlots to Urban Turfgrass to Improve Water Quality	5/1/02 - 4/30/04	02386801 12674	\$99,918
<b>Agricultural Sciences Total:</b>					<b>\$3,545,597</b>	

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\*\*Inter-departmental Project

Proposals Submitted - 4

**Applied Human Sciences - Proposals**

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Sarkar,Ajoy Kumar	Primary PI	Design And Merchandising Herman Frasch Foundation	Biochemical Approaches for Processing Flax Fiber	7/1/02 - 6/30/07	02363201 12322	\$198,495
Fidler,Deborah	Primary PI	Human Dev & Family Studies National Down Syndrome Society	Visuo-spatial Processing Strengths & Weaknesses in Young Adults with Down Syndrome	1/1/02 - 12/31/04	02363601 12433	\$34,997
Fidler,Deborah	Primary PI	Human Dev & Family Studies Developmental Psychobiology Endow Fund	Exploring Differences in Emotional Expression in Individuals with Down Syndrome, Williams Syndrome, & Nonspecific . . .	1/1/02 - 5/1/02	02377301 12623	\$5,000
Davies,Patricia	Primary PI	Occupational Therapy Wallace Research Foundation	Brain Mechanisms Underlying Sensory Modulation Dysfunction	1/1/02 - 12/31/02	02387701 12660	\$50,000
Cooner,Donna Tochterman,Suzanne M	Primary PI Co-PI	School Of Education Wallace-Readers Digest Funds	Ventures in Leadership	1/1/02 - 12/31/03	02373501 12523	\$45,942
Ginsberg,Richard	Primary PI	School Of Education US Department of Education	Equity Assistance Center Grant	7/1/02 - 6/30/05	02399801 12685	\$2,638,628
Timpson,William M Dunbar,Brian H	Primary PI Collaborator	School Of Education EPA - Environmental Protection Agency	Environmental Education	7/1/02 - 6/30/03	02379601 12575	\$24,999
Bubar,Roe Vernon,Irene Schatz,Mona Struhsaker Shears,Jeffrey Valdez,Norberto	Primary PI Co-PI Collaborator Collaborator Collaborator	Social Work ** DOJ-OJP-OVC-Office of Victims of Crime	Examining Prosecution in Child Sexual Abuse in Indian Country: A Case Study	1/1/02 - 9/30/02	02368101 12480	\$74,971
Granger,Ben P	Primary PI	Social Work John A. Hartford Foundation, Inc.	Geriatric Enrichment in Social Work Education	1/1/02 - 7/31/02	02380301 12593	\$30,000
<b>Applied Human Sciences Total:</b>					<b>\$3,103,032</b>	

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**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>
Kelly, Kathleen J Edwards, Ruth W	Primary PI Co-PI University of Colorado	Marketing ** Preventing Tobacco Use in Rural Towns: Community-Based Media	7/1/02 - 6/30/05	02392201 12615	\$732,473
<b>Business Total:</b>					<b>\$732,473</b>

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\*\*Inter-departmental Project

Proposals Submitted - 6



## Engineering - Proposals

Investigators/Collaborators		Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Collett, Jeffrey L. Jr Herckes, Pierre E.H	Primary PI Co-PI	Atmospheric Science California, State Air Resources Board	Examination of the Influence of California Regional Particulate Air Quality Study Fog Episodes on Aerosol . . .	5/1/02 - 8/31/03	02389601 12737	\$56,902
Cotton, William R	Primary PI	Atmospheric Science NASA - Natl Aeronautics & Space Admin.	Indirect Effects of Aerosol Intrusions into the Arctic Basin on Seasonal Evolution of the Arctic Ice	5/1/02 - 4/30/05	02382801 12655	\$675,721
Denning, A Scott	Primary PI	Atmospheric Science Pennsylvania State University	A Regional Net Carbon Dioxide Flux Demonstration Experiment	7/1/02 - 6/30/04	02370801 12557	\$102,164
Pielke, Roger A Liston, Glen E	Primary PI Co-PI	Atmospheric Science NSF - National Science Foundation	Simulating Arctic Climate-Ecosystem Interactions Using a Nested Suite of Atmospheric, Hydrologic, & Ecological Models	6/1/02 - 5/31/06	02368901 11697	\$870,705
Randall, David A Eitzen, Zachary A	Primary PI Collaborator	Atmospheric Science ** NASA - Natl Aeronautics & Space Admin.	Comparison of Cloud Resolving Model Simulations to Remote Sensing Data	12/1/01 - 11/30/03	02370701 12541	\$171,887
Belfiore, Laurence A	Primary PI	Chemical & Biores Engineering DOD - US Department of Defense	Macromolecule-Metal Complexes via Transition Metal Coordination	4/1/02 - 10/1/02	02383801 12662	\$30,000
Belfiore, Laurence A	Primary PI	Chemical & Biores Engineering Petroleum Research Fund	Supramolecular Assembly in Macromolecule-Metal Complexes: Synergistic Thermophysical Property Modifications via . . .	6/1/02 - 8/31/05	02390301 12743	\$120,000
Belfiore, Laurence A	Primary PI	Chemical & Biores Engineering NASA - Natl Aeronautics & Space Admin.	Supramolecular Assembly in Macromolecule-Metal Complexes: Synergistic Thermophysical Property Modifications via . . .	6/1/02 - 5/31/05	02378701 12578	\$389,305
Bhadra, Rajiv Ramsdell, Howard S	Primary PI Collaborator	Chemical & Biores Engineering ** USDA - US Department of Agriculture	Determining the Fate & Metabolism of Agricultural Antibiotics & the Potential for Managed Vegetative Disposal of . . .	9/1/02 - 8/31/05	02381101 12647	\$234,500
Bhadra, Rajiv	Primary PI	Chemical & Biores Engineering USDA - US Department of Agriculture	Determining the Metal Biosorption Characteristics of Biomass Residues from Lignocellulose-Base	9/1/02 - 8/31/05	02391101 12766	\$194,385

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Proposals Submitted - 7

## Engineering - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Dandy,David S Grainger,David W Lear,Kevin Reardon,Kenneth F Van Orden,Alan K Wilmsen,Carl W	Primary PI Co-PI Co-PI Co-PI Co-PI Collaborator	<b>Chemical &amp; Biores Engineering **</b> NSF - National Science Foundation	A Nano-Waveguide System for Detection of Multianalytes through Binding to Nanoarrays	5/1/02 - 4/30/06	02391601 12786	\$1,965,399
Connell,Bernadette H	Primary PI	<b>CIRA</b> University of Alabama	CIRA Contribution to the MSFC Lightning Mapper Project	1/1/04 - 12/31/06	02390401 12747	\$250,700
Knaff,John A	Primary PI	<b>CIRA</b> Insurance Friends of the National Hurric	Implementation of Operational Ensemble Intensity Forecasts	1/1/02 - 12/31/02	02377201 12614	\$20,000
Newsom,Rob K	Primary PI	<b>CIRA</b> NSF - National Science Foundation	Information Integration of Multiple Lidar Observations of the Atmospheric Boundary Layer	8/1/02 - 7/30/06	02377701 12634	\$720,270
Vonderhaar,Thomas H	Primary PI	<b>CIRA</b> DOC-NOAA-Natl Oceanic & Atmospheric Admn	Enhanced Communications at CIRA: Upgrade of the CIRA Computer Laboratory	1/1/02 - 12/31/02	02380801 12632	\$50,000
Vonderhaar,Thomas H	Primary PI	<b>CIRA</b> DOC-NOAA-Natl Oceanic & Atmospheric Admn	Enhancement of Satellite Data Processing & Analysis Capabilities in Central America	1/1/02 - 6/30/02	02389001 12740	\$16,500
Vonderhaar,Thomas H	Primary PI	<b>CIRA</b> DOC-NOAA-Natl Oceanic & Atmospheric Admn	Support of the Virtual Institute for Satellite Integration Training	1/1/02 - 12/31/02	02389901 12769	\$210,000
Wang,Ning Knaff,John A	Primary PI Co-PI	<b>CIRA</b> DOC-NOAA-Natl Oceanic & Atmospheric Admn	Development of Efficient Satellite Data Compression Techniques: Transmission of GOES Imagery to the NOAA...	1/1/02 - 12/31/02	02384201 12613	\$35,000
Hartnagel,Bryan Heyliger,Paul R Shackelford,Charles D	Primary PI Co-PI Co-PI	<b>Civil Engineering</b> NSF - National Science Foundation	Rammed Earth House Construction	3/1/02 - 2/28/04	02363801 12346	\$167,833

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Proposals Submitted - 8

## Engineering - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Heyliger,Paul R Leisure,Robert G Parkinson,Bruce Alan Rappe,Anthony K	Primary PI Co-PI Co-PI Co-PI	Civil Engineering ** NSF - National Science Foundation	Modeling Nanotubular Deformation Properties: Molecules to Materials across the Periodic Table	7/1/02 - 6/30/05	02392701 12810	\$960,119
Oad,Ramchand Julien,Pierre Y Myrick,Christopher A	Primary PI Co-PI Co-PI	Civil Engineering ** USDA - US Department of Agriculture	Management of River Ecosystems for Diverse Water Users	1/1/02 - 12/31/04	02380501 12626	\$426,294
Shackelford,Charles D	Primary PI	Civil Engineering NSF - National Science Foundation	Porous Media Matrix Interactions & Diffusive Transport of Permanganate Oxidants during In Situ Remediation	1/1/02 - 12/31/04	02367301 12063	\$207,902
Siller,Thomas J	Primary PI	Civil Engineering NSF - National Science Foundation	Numerical Investigation of Geosynthetic Seismic Isolation Systems	1/1/02 - 12/31/03	02404001 12360	\$84,004
Watson,Chester C	Primary PI	Civil Engineering Illinois Department of Natural Resources	Judy's Branch Rehabilitation	11/1/01 - 12/1/04	02364501 12371	\$235,247
Burleigh,Joan M James,Susan P	Primary PI Co-PI	Elec. & Computer Engineering ** CCHE-Commission on Higher Education	Development of Acoustic Filters for Management of Binaural Asynchronies in Children & Adults	1/1/02 - 1/1/03	02378401 12568	\$59,757
Chen,Thomas Wei Young,Peter	Primary PI Co-PI	Elec. & Computer Engineering NSF - National Science Foundation	Exploring Massive On-Chip Deskewing Techniques	1/1/02 - 12/31/02	02379901 12648	\$79,495
Chong,Edwin K. P	Primary PI	Elec. & Computer Engineering Purdue University	Control of Communication Network: Modeling, Simulation, & Optimization	1/1/02 - 7/31/04	02371101 12444	\$77,481
Chong,Edwin K. P	Primary PI	Elec. & Computer Engineering Purdue University	Design & Control of Next Generation Networks: A Measurement Analytical Approach	1/1/02 - 8/31/04	02371201 12445	\$183,276
Chong,Edwin K. P	Primary PI	Elec. & Computer Engineering NSF - National Science Foundation	Opportunistic Scheduling for Multimedia Wireless Systems	8/1/02 - 7/31/05	02386401 12695	\$222,501

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Proposals Submitted - 9

## Engineering - Proposals

Investigators/Collaborators		Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Chong,Edwin K. P Siegel,Howard Jay	Primary PI Co-PI	Elec. & Computer Engineering NSF - National Science Foundation	Security & Survivability for Trusted Multicast	8/15/02 - 8/14/07	02387501 12663	\$747,530
Chong,Edwin K. P	Primary PI	Elec. & Computer Engineering NSF - National Science Foundation	Workshop on Control of Networks	1/1/02 - 12/31/02	02384501 12669	\$39,996
Jayasumana,M A Anura Malaiya,Yashwant K	Primary PI Co-PI	Elec. & Computer Engineering ** NSF - National Science Foundation	Clustering & Binning of Submicron IC's Using Analog Attributes	4/1/02 - 3/31/05	02375801 12577	\$361,473
Mahan,John E Parkinson,Bruce Alan	Primary PI Co-PI	Elec. & Computer Engineering ** NSF - National Science Foundation	Epitaxial Growth & Optoelectronic Properties of Higher Manganese Silicide Thin Films	5/1/02 - 4/30/05	02382601 12671	\$621,224
Nassar,Carl R Lear,Kevin	Primary PI Co-PI	Elec. & Computer Engineering Idris Communications	Carrier Interferometry Fiber Optics: Overcoming the Channel & Cost Impedements in Traditional Dense Wave Division. . .	5/1/02 - 4/30/05	02379701 12625	\$572,252
Nassar,Carl R	Primary PI	Elec. & Computer Engineering CASI-Colorado Advanced Software Inst.	High-Performance, High-Throughput Multi-Carrier Systems via Parameter Feedback	7/1/02 - 6/30/03	02391501 12732	\$40,000
Nassar,Carl R	Primary PI	Elec. & Computer Engineering NSF - National Science Foundation	Mutli-Carrier Pulse Shape Synthesis for Wireless Systems: Enhanced Performance, Security & Co-existence	7/1/02 - 6/30/04	02382701 12675	\$223,469
Rocca,Jorge J G	Primary PI	Elec. & Computer Engineering DOE - US Department of Energy	Student & Young Scientist Participation in the 8th International Conference on X-Ray Lasers	1/1/02 - 6/30/02	02368301 12502	\$5,000
Rocca,Jorge J G	Primary PI	Elec. & Computer Engineering NSF - National Science Foundation	Student & Young Scientist Participation in the 8th International Conference on X-Ray Lasers	1/1/02 - 6/30/02	02368701 12483	\$10,000
Scharf,Louis L Chong,Edwin K. P	Primary PI Co-PI	Elec. & Computer Engineering Mission Research Corporation	A Mathematical Methodology for Managing & Integrating Sensors & Processors in Distributed Systems for Radar &...	1/1/02 - 6/30/04	02368501 12484	\$374,693
Siegel,Howard Jay Maciejewski,Anthony	Primary PI Co-PI	Elec. & Computer Engineering NSF - National Science Foundation	A Unified Framework for Resource Allocation & Adaptation in a Class of Distributed Embedded Systems	8/15/02 - 8/14/07	02387601 12664	\$1,620,689

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Proposals Submitted - 10

## Engineering - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Siegel,Howard Jay	Primary PI	Elec. & Computer Engineering University of Central Florida	Dynamic Workflows: Theoretical Foundations, Algorithms, & Applications	1/1/02 - 12/31/04	02367901 12501	\$299,955
Venkatachalam,Chandras	Primary PI	Elec. & Computer Engineering CCHE-Commission on Higher Education	An Expert System to Assist in the Scientific & Engineering Development of Intraluminal Impedance Measurement . . .	1/1/02 - 12/31/02	02378501 12561	\$60,000
Edwards,Harry W	Primary PI	Mechanical Engineering University of Tennessee/Battelle LLC	Energy Efficiency Improvement Assessment at the Denver Mint	12/1/01 - 4/30/02	02372601 12562	\$16,863
James,Susan P Bateman,Ted A	Primary PI Co-PI	Mechanical Engineering ** NASA - Natl Aeronautics & Space Admin.	Bio-Engineering, Science & Technology (BEST) Institute	4/28/02 - 4/27/07	02366101 12193	\$14,999,998
Kirkpatrick,Allan T Bestor,Ted Mitchell,Charles E Olsen,Daniel B Willson,Bryan D	Primary PI Co-PI Co-PI Co-PI Co-PI	Mechanical Engineering GTI-Gas Technology Institute	CFD Modeling of Combustion in a Cooper GMV Engine	1/1/02 - 12/31/02	02388601 12725	\$101,151
Olsen,Daniel B Willson,Bryan D	Primary PI Co-PI	Mechanical Engineering NSF - National Science Foundation	Experimental Investigation of Formaldehyde Formation in Large Bore Natural Gas Engines	5/1/02 - 4/30/05	02389401 12564	\$476,765
Olsen,Daniel B Bestor,Ted Kirkpatrick,Allan T Mitchell,Charles E Willson,Bryan D	Primary PI Co-PI Co-PI Co-PI Co-PI	Mechanical Engineering Pipeline Research Council International	Fuel Valve Design Using Computational Fluid Dynamics & Laser Diagnostics	1/1/02 - 6/30/02	02373001 12565	\$200,457
Olsen,Daniel B Bestor,Ted Willson,Bryan D	Primary PI Co-PI Co-PI	Mechanical Engineering GTI-Gas Technology Institute	Humidity Control for Power & Emissions	1/1/02 - 8/31/02	02384301 12658	\$250,127

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Proposals Submitted - 11

## Engineering - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Olsen, Daniel B Bestor, Ted Mitchell, Charles E Willson, Bryan D	Primary PI Co-PI Co-PI Co-PI	Mechanical Engineering GTI-Gas Technology Institute	Nitrogen Dioxide Emissions from 2-Stroke Large Bore Natural Gas Engines	1/1/02 - 6/30/02	02388701 12710	\$60,059
Olsen, Daniel B	Primary PI	Mechanical Engineering Advanced Engine Technologies Corporation	PEMS Field Data Analysis	12/1/01 - 5/31/02	02379801 12633	\$10,047
Olsen, Daniel B Bestor, Ted Willson, Bryan D	Primary PI Co-PI Co-PI	Mechanical Engineering Sturman Industries, Inc.	VW 1.9L TDI Engine Testing	10/15/01 - 10/30/02	02366001 12457	\$56,670
Olsen, Daniel B	Primary PI	Mechanical Engineering El Paso Energy	Report-Assessment of Estimating Volatile Organic Compounds Emissions Based on Total Hydrocarbon Emissions & Fuel. . .	12/15/01 - 6/15/02	02388501 12721	\$11,771
Radford, Donald W	Primary PI	Mechanical Engineering NSF - National Science Foundation	Determination of 3-D Viscoelastic Properties of Transversely Isotropic Laminae for Laminated Composite Performance . . .	1/1/02 - 12/31/04	02363501 12413	\$185,491
Smith, Frederick W	Primary PI	Mechanical Engineering Univ. California-Los Alamos National Lab	Implicit Finite Element Model Development & Validation for Discrete Fracture in High Explosives	1/1/02 - 12/31/03	02367101 12482	\$176,326
Wheeler, Donna	Primary PI	Mechanical Engineering CCHE-Commission on Higher Education	Calcium Phosphate Microcarriers for Bone Regeneration	2/1/02 - 1/31/03	02378301 12589	\$60,000
<b>Engineering Total:</b>					<b>\$30,399,353</b>	

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Proposals Submitted - 12

## Liberal Arts - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Eighmy,Jeffrey L Hill,Matthew G	Primary PI Co-PI Anthropology NSF-SBE-Social, Behav & Econ Sciences	Organizational Responses to Changing Resource Structure	6/18/02 - 12/31/04	02396201 12817	\$281,948
Van Buren,Mary L	Primary PI Anthropology NSF - National Science Foundation	Prehispanic & Historic Period Silver Production in Porco, Bolivia	6/1/02 - 8/1/04	02389801 12529	\$232,999
Burns,Morris U	Primary PI Music, Theatre & Dance City of Fort Collins - Fort Fund	Outdoor Café Theatre	6/25/02 - 7/27/02	02392601 12842	\$4,000
Slusarski-Harris,Jane	Primary PI Music, Theatre & Dance City of Fort Collins - Fort Fund	This Speaking Body	12/8/01 - 4/28/02	02391401 12777	\$2,750
<b>Liberal Arts Total:</b>					<b>\$521,697</b>

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Proposals Submitted - 13

## Natural Resources - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Shaw,Robert B Zeidler,James A	Primary PI Co-PI CEMML DOD-ARMY	Cultural Resources Program Support for Fort Bragg, North Carolina, ON CAMPUS	3/1/02 - 2/28/03	02389201 12778	\$21,538
Shaw,Robert B Zeidler,James A	Primary PI Co-PI CEMML DOD-ARMY	Cultural Resources Program Support for Fort Bragg, North Carolina, OFF CAMPUS	3/1/02 - 2/28/03	02389301 12778	\$407,722
Hannah,Judith L Stein,Holly J	Primary PI Co-PI Earth Resources NSF - National Science Foundation	Tracking Re-Os & Mo-Ru Decay Constants across Geologic Time: Are Decay Constants Truly Constant?	8/1/02 - 7/31/04	02386301 12693	\$217,921
Stednick,John D Sanford,William E	Primary PI Co-PI Earth Resources EPA - Environmental Protection Agency	Effects of Surface & Groundwater Interactions on Sodium Adsorption Ratios in Coalbed Methane	5/1/02 - 4/1/03	02386701 12720	\$97,366
Stein,Holly J Magloughlin,Jerry F	Primary PI Co-PI Earth Resources NSF - National Science Foundation	Timing of Major Crust-forming Events & Deformation in the Colorado Province through Re-Os Dating of Proterozoic . . .	7/1/02 - 6/30/04	02387401 12665	\$209,145
Wohl,Ellen E Ramirez,Jorge A	Primary PI Co-PI Earth Resources ** NSF - National Science Foundation	A Simulation Model Using Local Controls for Self-adjusting Mountain-River Pools	6/1/02 - 7/1/04	02386501 12711	\$146,895
Clements,William H	Primary PI Fish & Wildlife Biology USDA-CSREES-Coop State Rsrch Edu & Ext	Agricultural Impacts in Remote Alpine Systems: Are Atmospheric Nitrogen Deposition & UV-Radiation Disrupting Basic . . .	8/1/02 - 7/31/04	02380901 12670	\$89,992
Clements,William H	Primary PI Fish & Wildlife Biology USDA-USFS-Forest Research	Monitoring Ecological & Physico-chemical Effects of the Cerro Grande Fire	10/1/01 - 9/30/04	02370901 12349	\$150,000
Covich,Alan P	Primary PI Fish & Wildlife Biology NSF - National Science Foundation	Context-dependent Roles of Benthic Consumers in Processing Leaf Litter in Tropical Streams	7/1/02 - 6/30/06	02392301 12701	\$358,155
Culver,Denise R	Primary PI Fish & Wildlife Biology Colorado Department of Natural Resources	Survey & Assessment of Critical Wetlands for La Plata County, Colorado	1/1/03 - 12/31/03	02379001 12656	\$113,222

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Proposals Submitted - 14



## Natural Resources - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Doyle,Georgia A	Primary PI	Fish & Wildlife Biology El Paso County Parks	El Paso County Brochure & Printing 12/20/01 - 6/30/02	02390901 12741	\$10,000	
Doyle,Georgia A	Primary PI	Fish & Wildlife Biology Colorado Department of Natural Resources	Survey & Assessment of Critical Wetlands in San Juan County, Colorado 1/1/03 - 12/31/03	02379101 12474	\$73,111	
Franklin,Alan B	Primary PI	Fish & Wildlife Biology USDA - US Department of Agriculture	Ecotones as Components of Northern Spotted Owl Habitat in Managed Forest Ecosystems 4/1/02 - 3/30/03	02381001 12649	\$322,528	
Lyon,Margarette J	Primary PI	Fish & Wildlife Biology Ridgway Town Council	Analysis of Current Vegetation & Revegetation Plan for the Uncompahgre River 11/1/01 - 4/1/02	02373101 12499	\$5,045	
Myrick,Christopher A	Primary PI	Fish & Wildlife Biology DOI-NPS-National Park Service	A Field & Theoretical Evaluation of a Waterfall Type Barrier to the Upstream Movement of Brook Charr in Rocky...	5/1/02 - 4/30/03	02396501 12661	\$14,940
Myrick,Christopher A	Primary PI	Fish & Wildlife Biology USDA - US Department of Agriculture	Fish Passage Structures for Non-Salmonid Fishes: An Evaluation of Current Technology & Fish Performance 8/1/02 - 8/31/05	02380601 12635	\$404,896	
Rocchio,Joseph F	Primary PI	Fish & Wildlife Biology Colorado Department of Natural Resources	Survey & Assessment of Critical Wetlands in Southern Alamosa & Costilla Counties in the San Luis Valley 1/1/03 - 12/31/03	02379201 12651	\$79,399	
Schorr,Robert	Primary PI	Fish & Wildlife Biology Colorado Division of Wildlife	Small Mammal Atlas of Colorado (2002) 7/1/01 - 6/30/02	02365601 11889	\$70,297	
Spackman,Susan	Primary PI	Fish & Wildlife Biology The Xerces Society	Upper Arkansas River Rare Plant Pollinators 3/1/02 - 3/1/03	02378901 12652	\$3,750	
Wilson,Kenneth R	Primary PI	Fish & Wildlife Biology Clear Channel Communications of Colorado	Potential Impacts of Two Communication Towers on Avian Species in Larimer County 2/1/02 - 3/30/05	02388301 12729	\$199,124	
Erslev,Eric A	Primary PI	Nat Res Recreation & Tourism NSF - National Science Foundation	Lithospheric Structure & Evolution of the Rocky Mountains: Phase 2 6/1/02 - 5/31/06	02387301 12715	\$139,573	

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Proposals Submitted - 15

## Natural Resources - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Manfredo,Michael J Bright,Alan	Primary PI Co-PI	Nat Res Recreation & Tourism Intl Assoc of Fish & Wildlife Agencies	Wildlife Values in the West	11/1/02 - 12/31/04	02382901 12690	\$541,940
Manfredo,Michael J Bright,Alan	Primary PI Co-PI	Nat Res Recreation & Tourism Intl Assoc of Fish & Wildlife Agencies	Human Dimensions Regional Survey--Pilot Phase	9/1/01 - 9/1/03	02383001 11842	\$99,562
Baron,Jill Covich,Alan P	Primary PI Co-PI	Natural Resource Ecology Lab ** EPA - Environmental Protection Agency	Vulnerability of South Platte River Basin Aquatic Ecosystems & Water Quality to Severe Sustained Drought	4/1/02 - 3/31/04	02369001 12448	\$69,984
Conant,Richard T Boone,Randall B Coughenour,Michael B Milchunas,Daniel G	Primary PI Co-PI Co-PI Co-PI	Natural Resource Ecology Lab USDA - US Department of Agriculture	Solidifying the Aboveground Net Primary Production -Belowground Net Primary Production Soil Carbon Linkage in Grasslands	5/1/02 - 4/30/05	02380401 12622	\$447,363
Galvin,Kathleen	Primary PI	Natural Resource Ecology Lab University of California at Davis	Livestock Herders' Access to Markets in Kazakhstan	3/31/02 - 9/30/03	02396001 12708	\$49,970
Hanan,Niall P	Primary PI	Natural Resource Ecology Lab DOE - US Department of Energy	Carbon & Water Management in Conservation Reserve Program Lands of the Shortgrass Prairie	7/1/02 - 6/30/05	02369701 12354	\$428,769
Ojima,Dennis	Primary PI	Natural Resource Ecology Lab University of California at Davis	Co-Benefits of Grassland Regeneration of Abandoned Wheat Areas . . .	4/1/02 - 9/30/03	02395901 12858	\$49,999
Ojima,Dennis Bieman,James M Mckeown,Rebecca Vukicevic,Tomislava	Primary PI Co-PI Co-PI Co-PI	Natural Resource Ecology Lab ** NSF - National Science Foundation	Computer Science & Analytical Advancements for Earth System Analysis	6/1/02 - 5/31/06	02380001 12467	\$4,989,892
Simmons,Carol L	Primary PI	Natural Resource Ecology Lab DOI-USGS-Geological Survey	Database Design & Data Applications Development for the Joint Fire Science Program	2/1/02 - 1/31/05	02396901 12859	\$84,006
Six,Johan W	Primary PI	Natural Resource Ecology Lab DOE - US Department of Energy	NOX Emissions from Biomass Combustion	2/1/02 - 1/31/04	02383901 12700	\$54,673

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Proposals Submitted - 16

**Natural Resources - Proposals**

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Welker, Jeffrey M	Primary PI	Natural Resource Ecology Lab DOE - US Department of Energy	6/1/02 - 5/31/05	02369801 12425	\$449,997
<b>Natural Resources Total:</b>					<b>\$10,400,774</b>

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Proposals Submitted - 17

## Natural Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Bamburg,James R	Primary PI	Biochemistry & Molecular Bio Front Range Community College	Integrated Courses in Molecular Biosciences for Community Colleges	6/1/02 - 5/31/05	02367801 12538	\$442,377
Laybourn,Paul J Curthoys,Norman P	Primary PI Co-PI	Biochemistry & Molecular Bio NSF - National Science Foundation	Undergraduate Research in Molecular Biosciences	6/1/02 - 5/31/05	02383401 12283	\$336,960
Summers,Scott A	Primary PI	Biochemistry & Molecular Bio PEW Charitable Trusts	The Role of Ceramide in Insulin Resistance	7/1/02 - 6/30/05	02373401 12569	\$239,988
Antolin,Michael F Powell,Erin Margaret Van Horne,Beatrice	Primary PI Co-PI Collaborator	Biology NSF - National Science Foundation	Torpor Patterns, Diet & Lipid Composition of Free Ranging Prairie Dogs	6/1/02 - 6/1/04	02382201 12592	\$9,466
Moore,Janice K	Primary PI	Biology Canine Health Foundation, Inc.	Behaviors in Puppies that Indicate Future Aggression . . . Prediction & Prevention	7/15/02 - 7/15/04	02378101 12644	\$88,023
Simmons,Mark	Primary PI	Biology NSF - National Science Foundation	Nucleotide vs. Amino Acid Characters for Phylogenetic Inference Using Protein-coding Loci	8/1/02 - 8/1/05	02388401 12646	\$215,281
Wiens,John A Bossenbroek,Jonathan M	Primary PI Co-PI	Biology NSF - National Science Foundation	Scaling Functions & Mechanisms in Animal Responses to Landscape Structure	5/1/02 - 5/1/04	02381201 12650	\$7,400
Barisas,B George	Primary PI	Chemistry NSF - National Science Foundation	Fluorescence Lifetime Spectrometer with Interfaced Microscope	1/1/02 - 12/31/03	02368801 12450	\$122,051
Bernstein,Elliot R Szamel,Grzegorz	Primary PI Co-PI	Chemistry NSF - National Science Foundation	Heterogeneous Nucleation & Growth of Water Clusters in the Gas Phase	6/1/02 - 5/31/05	02378001 12476	\$350,001
Bernstein,Elliot R	Primary PI	Chemistry Philip Morris, Incorporated	Metal Oxide-Cluster & Nanoparticle Catalyzed Reactions of Small Gas Phase Molecules: CO & NO on Iron & Copper Oxide	1/1/02 - 12/31/04	02392001 12782	\$378,445

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Proposals Submitted - 18

## Natural Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Chen,Eugene Y	Primary PI	Chemistry Dow Chemical Company	Hydroxyl-Functionalized Polyols via Acid-Catalyzed Cationic Ring-Opening Polymerization of Heterocyclic Monomers	1/1/02 - 12/31/02	02372701 12582	\$65,201
Fisher,Ellen R Dandy,David S Grainger,David W	Primary PI Co-PI Co-PI	Chemistry ** NSF - National Science Foundation	CRC: Towards the Rational Design & Control of Plasma Generated Materials for Biocompatible Coatings	7/1/02 - 6/30/05	02390801 12764	\$1,161,781
Grainger,David W	Primary PI	Chemistry MRS-Materials Research Society	Enzymatically Grafted Biomaterial Surfaces for Neuron Culture	11/16/01 - 5/16/02	02364901 12525	\$1,000
Rickey,Dawn	Primary PI	Chemistry NSF - National Science Foundation	Fostering Understanding of Chemistry through Model-Observe-Reflect-Explain Metacognitive Instruction	8/15/02 - 8/14/05	02386001 12191	\$1,395,122
Rickey,Dawn	Primary PI	Chemistry NSF - National Science Foundation	Further Studies of Metacognition & Chemistry Learning	1/1/02 - 12/31/02	02377401 12313	\$49,999
Rovis,Tomislav	Primary PI	Chemistry Boehringer Ingelheim Pharmaceuticals	Catalytic Generation of Carbon-Carbon Bonds: Towards a General Csp <sup>3</sup> -Csp <sup>3</sup> Cross-coupling	5/1/02 - 4/30/04	02390101 12768	\$70,000
Strauss,Steven H	Primary PI	Chemistry DOD - US Department of Defense	Testing a High-Sensitivity ATR-FRIT Water Monitor for Ionic CWA Breakdown Products	12/1/01 - 9/30/02	02392501 12847	\$24,999
Williams,Robert M	Primary PI	Chemistry NSF - National Science Foundation	The Asymmetric Synthesis of alpha-Amino Acids	1/1/02 - 12/31/04	02363901 12324	\$651,715
Alexander,Roger T	Primary PI	Computer Science George Mason University	Testing Web Software	8/15/02 - 8/14/05	02378601 12536	\$280,202
Anderson,Charles Bohm,Anton Pedro Wille Draper,Bruce	Primary PI Co-PI Co-PI	Computer Science NSF - National Science Foundation	A High-Level Approach to Embedding Brain-Computer Interfaces on Field-Programmable Gate Arrays	6/1/02 - 5/31/05	02387801 12609	\$866,490

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Proposals Submitted - 19

## Natural Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Anderson, Charles Kirby, Michael J	Primary PI Co-PI NSF - National Science Foundation	Computer Science ** NSF - National Science Foundation	Geometric Pattern Analysis & Mental Task Design for a Brain-Computer Interface	6/15/02 - 6/15/06	02388001 12326	\$721,125
Bieman, James M	Primary PI NSF - National Science Foundation	Computer Science NSF - National Science Foundation	The Impact of Object-Oriented Techniques on Software Comprehension & Maintenance	8/15/02 - 8/14/05	02373201 12560	\$487,184
France, Robert	Primary PI NSF - National Science Foundation	Computer Science NSF - National Science Foundation	A Formal Foundation for Pattern-Based Development	8/1/02 - 7/31/05	02372501 12493	\$395,528
France, Robert	Primary PI NSF - National Science Foundation	Computer Science NSF - National Science Foundation	Formalizing an UML Semantics for Distributed Systems	8/1/02 - 7/31/07	02377901 12553	\$501,806
France, Robert	Primary PI NSF - National Science Foundation	Computer Science NSF - National Science Foundation	Testing Unified Modeling Language Design	8/1/02 - 7/31/05	02373301 12527	\$674,318
Ghosh, Sudipto	Primary PI NSF - National Science Foundation	Computer Science NSF - National Science Foundation	Fault-Based Testing Techniques for Distributed & Concurrent Software	8/15/02 - 8/14/05	02384101 12678	\$245,274
Rajopadhye, Sanjay V	Primary PI NSF - National Science Foundation	Computer Science NSF - National Science Foundation	Optimization for Mapping Applications to FPGA Co-processors	8/15/02 - 8/14/04	02374701 12585	\$66,000
Rajopadhye, Sanjay V	Primary PI NSF - National Science Foundation	Computer Science NSF - National Science Foundation	Silicon Compilation of Loops	5/1/02 - 4/30/05	02388101 12567	\$443,266
Chappell, Anthony W	Primary PI Clemson University	Mathematics Clemson University	The Impact of Calculus Reform on Long-Term Student Performance	10/1/01 - 9/30/02	02374001 12620	\$10,000
Estep, Donald J Laforest, Marc	Primary PI Co-PI Sandia Corporation/Sandia National Lab.	Mathematics Sandia Corporation/Sandia National Lab.	Error Estimators for High-Resolution Schemes for Conservation Laws	1/1/02 - 12/31/02	02390701 12630	\$15,284
Tavener, Simon J Estep, Donald J	Primary PI Co-PI NSF - National Science Foundation	Mathematics NSF - National Science Foundation	Adaptive Finite Element Software for Particulate Flows with Finite Inertia	6/1/02 - 5/30/07	02377501 12587	\$792,402

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Proposals Submitted - 20

## Natural Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Fairbank,William M	Primary PI	Physics DOE - US Department of Energy	New Technique for Barium Daughter Ion Identification in a Liquid Xe-136 Double Beta Decay Experiment	5/15/02 - 5/14/04	02376001 12566	\$98,038
Hochheimer,Hans D	Primary PI	Physics NATO-North Atlantic Treaty Organization	Optical Investigation of Single-wall Carbon Nanotubes under High Pressure	5/1/02 - 4/1/04	02389501 12706	\$10,400
Canetto,Silvia Sara Asmus,Cheryl L	Primary PI Co-PI	Psychology ** AFSP-Amer Foundtn for Suicide Prevention	Beliefs & Attitudes about Gender & Suicide among European American & Hispanic Older Adults	7/1/02 - 6/30/04	02390201 11334	\$99,989
Delosh,Edward L Bugg,Julie M Clegg,Benjamin A	Primary PI Collaborator Collaborator	Psychology HHS-NIH-National Institutes of Health	Effect of Cardiovascular Fitness on Executive Control	5/1/02 - 4/30/03	02383101 12543	\$71,204
James,Keith Sarason,Yolanda	Primary PI Co-PI	Psychology ** NSF - National Science Foundation	Ownership of Small Technology Businesses: Comparisons of Female & Male Majority & Minority Routes to Ownership	7/31/02 - 8/31/05	02375901 12617	\$873,299
Stallones,Lorann Chen,Peter	Primary PI Co-PI	Psychology HHS-NIH-National Institutes of Health	Adolescent Farm Work, Fatigue & Injuries in Colorado	6/1/02 - 5/31/04	02393901 12748	\$196,008
Breidt,F.Jay	Primary PI	Statistics NSF - National Science Foundation	Collaborative Research: Nonparametric Survey Regression Estimation	9/1/02 - 8/31/06	02376201 12583	\$236,703
Brockwell,Peter J Breidt,F.Jay Davis,Richard A	Primary PI Co-PI Co-PI	Statistics NSF - National Science Foundation	Applied Probability & Time Series Modeling	6/1/02 - 5/31/07	02377801 12524	\$919,145
Butler,Ronald W	Primary PI	Statistics NSF - National Science Foundation	Saddlepoint & Bootstrap Methods in Systems Theory & Survival Analysis	7/1/02 - 8/1/07	02368201 12465	\$311,373
Hannig,Jan	Primary PI	Statistics NSF - National Science Foundation	Filtrations, Threshold Stochastic Differential Equation & Non-parametric Smoothing	6/1/02 - 5/31/05	02375701 12572	\$191,842

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**Natural Sciences - Proposals**

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Lee, Chun Man	Primary PI	Statistics NSF - National Science Foundation	7/1/02 - 6/30/05	02376101 12612	\$199,514
<b>Natural Sciences Total:</b>					<b>\$14,316,203</b>

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Proposals Submitted - 22



## Vet. Medicine & Biomedical Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Inamine,Julia M Belisle,John T Chatterjee,Delphi	Primary PI Co-PI Collaborator	Anatomy & Neurobiology HHS-NIH-National Institutes of Health	Molecular Definition of M. avium Colony Morphotypes	7/1/02 - 6/30/07	02396101 11662	\$1,285,650
Rash,John E Meier,Carola	Primary PI Collaborator	Anatomy & Neurobiology HHS-NIH-National Institutes of Health	Connexins in Neuronal & Glial Gap Junctions in Central Nervous System	7/1/02 - 6/30/07	02369101 12404	\$1,812,500
Dow,Steven W	Primary PI	Clinical Sciences American Cancer Society, Inc.	Role of Antigen & Antigen Presentation in Cytotoxic T Lymphocyte Response to Tumor Vaccines	3/1/02 - 2/28/06	02364801 12512	\$846,459
Dow,Steven W	Primary PI	Clinical Sciences HHS-NIH-Center for Scientific Review	Tumor Angiogenesis Inhibition by Systemic Gene Delivery	10/1/01 - 9/30/05	02367601 12263	\$1,181,684
Frisbie,David D McIlwraith,C Wayne Parente,Louise Lesley Kawcak,Christopher E	Primary PI Co-PI Co-PI Collaborator	Clinical Sciences AQHA-American Quarter Horse Assoc.	Adenoviral Transfer of BMP-2 Gene for Enhancement of Fracture Healing in Horses	10/1/02 - 9/30/03	02396801 12853	\$39,066
Lappin,Michael R Hackett,Timothy B	Primary PI Co-PI	Clinical Sciences Heska Corporation (Paravax)	Prevalence of Haemobartonella felis & Bartonella spp. in Blood Donor Cats	10/15/01 - 10/14/02	02364001 12441	\$7,431
Lappin,Michael R	Primary PI	Clinical Sciences Robert H. Winn (Winn Feline) Foundation	Prevalence of Enteric Zoonoses in Cats of Immunosuppressed People	4/1/02 - 3/31/03	02386101 12718	\$14,975
Lappin,Michael R	Primary PI	Clinical Sciences Robert H. Winn (Winn Feline) Foundation	Transmission of Mycoplasma haemofelis & Mycoplasma haemominutum by Ctenocephalidies felis & Treatment with Imidocarb. . .	4/1/02 - 3/31/03	02386201 12719	\$13,282
Mccue,Patrick M	Primary PI	Clinical Sciences AQHA-American Quarter Horse Assoc.	Effect of Season, Artificial Photoperiod, Age, & Stress on Circadian Rhythm of Cortisol Secretion in the Horse	10/1/02 - 9/30/03	02392101 12836	\$12,270

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## Vet. Medicine & Biomedical Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Monnet,Eric	Primary PI American College of Veterinary Surgeons	Clinical Sciences Cellophane Banding of Extrahepatic Portosystemic Shunt with Minimally Invasive Surgery in Dogs	6/1/02 - 5/31/03	02386901 12702	\$5,750
Monnet,Eric	Primary PI American College of Veterinary Surgeons	Clinical Sciences Evaluation of Cellophane Banding Technique for the Gradual Occlusion of Portosystemic Shunts in Dogs	6/1/02 - 5/31/03	02387001 12703	\$14,800
Ogilvie,Gregory K	Primary PI Atlas World USA	Clinical Sciences Agaricus for the Treatment of Histologically Confirmed Malignancies	11/1/01 - 10/31/02	02407301 12705	\$31,500
Pluhar,G. Elizabeth Reems,Michael R Wheeler,Donna	Primary PI Collaborator Collaborator Iowa State University	Clinical Sciences Ex Vivo Biomechanical Testing of Modifications to an Interlocking Nailing System for Fixation of Unstable Canine Long...	4/1/02 - 3/31/03	02386601 12722	\$10,000
Pluhar,G. Elizabeth	Primary PI American College of Veterinary Surgeons	Clinical Sciences Postmortem Evaluation of the Stability of Canine Cemented Hip Replacement Implants to Determine Success Rate & . . .	4/1/02 - 3/31/03	02387101 12724	\$10,000
Turner,Anthony Simon Macleay,Jennifer M	Primary PI Co-PI Univer. of New York Research Foundation	Clinical Sciences Augmentation of Trabecular Bone by Low Magnitude Mechanical Strain	5/1/02 - 4/30/06	02373801 12591	\$679,787
Nett,Torrance M	Primary PI Merck & Co., Inc.	Dean Of Vet Medicine Summer Research Experience for Veterinary Students	4/1/02 - 3/31/03	02375601 12611	\$40,020
Hanneman,William H	Primary PI Medical College of Ohio	Environmental Health The Effects of Ionizing Radiation on Mouse Meiosis	7/1/02 - 6/30/06	02363701 12423	\$316,192
Reynolds,Stephen J	Primary PI Iowa State University	Environmental Health Agricultural Health Study - Pesticide Exposure Study: Iowa Field Study Year 02	10/1/01 - 1/5/02	02388201 12735	\$12,680
Reynolds,Stephen J	Primary PI Iowa State University	Environmental Health Agricultural Health Study-Pesticide Exposure Study: Iowa Field Study Year 03	12/1/01 - 1/31/03	02384401 12688	\$22,026

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Proposals Submitted - 24

## Vet. Medicine & Biomedical Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount	
Reynolds, Stephen J	Primary PI	Environmental Health FS4JK-Farm Safety 4 Just Kids	Generational Intervention to Prevent Childhood Farm Injury	6/1/02 - 5/31/04	02394001 12795	\$9,944
Yang, Raymond K	Primary PI	Environmental Health Sapphire Group	Cumulative Risk Assessment for Mixtures Containing Chemicals with Different Modes of Action	7/1/02 - 6/30/05	02374601 12579	\$350,000
Yang, Raymond S H	Primary PI	Environmental Health **	Computer Modeling: Biology of Combination Chemotherapies	7/1/02 - 6/30/05	02367001 12285	\$675,337
Andersen, Melvin E	Co-PI	HHS-NIH-National Institutes of Health				
Belisle, John T	Co-PI					
Campain, Julie A	Co-PI					
Reisfeld, Bradley	Co-PI					
Whitley, L Darrell	Co-PI					
Chatterjee, Delphi	Primary PI	Microbiology HHS-NIH-NIAID-Allergy & Infect Diseases	Structure of Lipoarabinomannan in Relation to Biology & Biosynthesis	7/1/02 - 6/30/07	02373601 12616	\$1,114,439
Linden, James C	Primary PI	Microbiology **	Phytase for Animal Feed Supplementation	10/1/02 - 9/30/05	02391301 12624	\$487,776
Henk, Linda L	Co-PI	USDA - US Department of Agriculture				
Tengerdy, Robert	Co-PI					
Orme, Ian M	Primary PI	Microbiology CCHE-Commission on Higher Education	A Genomic/Proteomic Approach to Johnes Disease	7/1/02 - 6/30/03	02378201 12629	\$63,582
Orme, Ian M	Primary PI	Microbiology	Defined Native Antigens & Immunity to Tuberculosis	8/1/02 - 7/31/07	02371401 12533	\$1,797,920
Turner, Joanne	Co-PI	HHS-NIH-National Institutes of Health				
Harding, Jenny L	Collaborator					
Keefe, Robert G	Collaborator					
Kipnis, Ana Paula J	Collaborator					
Titus, Richard G	Primary PI	Pathology HHS-NIH-National Institutes of Health	Role of Sand Fly Saliva in Disease	7/1/02 - 6/30/07	02371701 12294	\$1,808,675

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## Vet. Medicine & Biomedical Sciences - Proposals

Investigators/Collaborators	Department/Sponsor	Title	Project Start / End Dates	Key # / PASS #	Amount
Wilson,Randolph J Avery,Anne C Titus,Richard G	Primary PI Co-PI Co-PI HHS-NIH-Center for Scientific Review	Pathology Antigens & Immune Response in Malaria Infection	7/1/02 - 6/30/07	02359801 10456	\$485,691
Carnevale,Elaine Mccue,Patrick M Squires,Edward L	Primary PI Co-PI Co-PI AQHA-American Quarter Horse Assoc.	Physiology Effect of Repeated Inseminations, Embryo Collection & Estrogen Treatment on the Mares' Uterus	10/1/02 - 9/30/03	02396601 12838	\$47,920
Nett,Torrance M	Primary PI Petsmart Charities	Physiology Clinical Trials with GnRh PAP in Dogs	6/1/02 - 5/31/03	02398401 12851	\$157,354
Liber,Howard	Primary PI HHS-NIH-National Institutes of Health	Radiological Health Sciences Double Strand Break Mutagenesis: Transcription & p53	2/1/02 - 12/31/04	02388901 12750	\$507,085
Liber,Howard	Primary PI HHS-NIH-National Institutes of Health	Radiological Health Sciences Ionizing Radiation Mutagenesis	2/1/02 - 5/31/05	02389101 12763	\$836,675
Smith,Maria Leia M	Primary PI American Cancer Society, Inc.	Radiological Health Sciences Role of cJun/p53 Interaction in Breast Cancer Progression	7/1/02 - 6/30/06	02365501 12351	\$960,422
Steyn,Phillip F Ogilvie,Gregory K Withrow,Stephen J	Primary PI Co-PI Co-PI Copharos, Inc.	Radiological Health Sciences Indium 111 Labeled Vitamin B-12 Imaging of Cancer in Dogs & Cats with Naturally Occurring Tumors	3/1/01 - 9/30/02	02376901 11249	\$117,811
Ullrich,Robert L	Primary PI HHS-NIH-Center for Scientific Review	Radiological Health Sciences Radiological Sciences Basic to Cancer Research	9/1/02 - 8/31/07	02373901 12363	\$2,863,688
<b>Vet. Medicine &amp; Biomedical Sciences Total:</b>					<b>\$18,640,391</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>	
Lamm,Alexa J	Primary PI	Cooperative Extension Mississippi State University	Health Rocks! After School Program	1/1/02 - 6/1/02	02377101 12639	\$5,300
Gorell,Thomas A	Primary PI	Hughes Un Bio-Ctr Life Science HHMI-Howard Hughes Medical Institute	Undergraduate Biological Sciences Education	7/1/02 - 6/30/06	02407401 12526	\$2,194,861
Hopkins,Donn	Primary PI	University Police City of Fort Collins	Multijurisdictional Drug Task Force	7/1/02 - 6/30/03	02392401 12844	\$67,989
<b>Other Total:</b>					<b>\$2,268,150</b>	

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## **Section V**

### **Awards Received**

## Agricultural Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Hoag,Dana Loyd	Primary PI	Agric & Resource Economics USDA-CSREES-Coop State Rsrch Edu & Ext	A Risk Education Simulation Program/Game 9/15/01 - 9/14/03	1407 11754	\$99,180
Hoag,Dana Loyd	Primary PI	Agric & Resource Economics USDA-ARS-Agricultural Research Service	Develop New Economic Budgeting & Risk Assessment Components for GPFarm (Great Plains Framework for... 9/29/98 - 7/31/03	2025	\$7,500
Seidl,Andrew F	Primary PI	Agric & Resource Economics USDA-NRCS-Natural Resources Consvtn Srv	Spanish Version of Land Evaluation & Site Assessment Methodology 8/15/01 - 12/31/01	2072	\$5,000
Spencer,William P	Primary PI	Agric & Resource Economics USDA-Foreign Agricultural Service	Faculty Exchange Program 4/20/97 - 12/31/02	2099	\$7,762
Irlbeck,Nancy A	Primary PI	Animal Sciences Denver Zoological Foundation	Development of Browse Data Base 2/19/97 - 2/28/03	5440	\$14,000
Scanga,John A Belk,Keith Smith,Gary C	Primary PI Co-PI Co-PI	Animal Sciences Swift & Company	Validation of the E+V Image Analysis System as a Predictor of Pork Carcass Red Meat Yield 10/8/01 - 3/31/02	6054 12344	\$36,020
Brown,William M Jr Hill,Joseph P	Primary PI Co-PI	Bioagriculturl Sci & Pest Mgmt USDA-ARS-Agricultural Research Service	Evaluation of Barley Germplasm for Reaction to Barley Stripe Rust 9/17/01 - 12/31/03	2064	\$15,000
Hill,Joseph P Quick,James S	Primary PI Co-PI	Bioagriculturl Sci & Pest Mgmt Colorado Wheat Administrative Commission	Development of Improved Quality & High Yield in Wheat Germplasm in Colorado 7/1/97 - 6/30/02	8305	\$5,000
Holtzer,Thomas O	Primary PI	Bioagriculturl Sci & Pest Mgmt USDA-CSREES-Coop State Rsrch Edu & Ext	Management of Russian Wheat Aphid in Dryland Cropping Systems of the Great Plains 9/15/99 - 9/30/02	1453 980989	\$233,338
Holtzer,Thomas O Cranshaw,Whitney S	Primary PI Co-PI	Bioagriculturl Sci & Pest Mgmt Taensa, Inc.	Biological Control of Ornamental Pests with Taensa Products 4/1/00 - 12/31/02	8225 991416	\$3,480
Hufbauer,Ruth A Henk,Shanna C	Primary PI Co-PI	Bioagriculturl Sci & Pest Mgmt ** USDA-ARS-Agricultural Research Service	Genetic Character of Knapweeds in Eurasia 10/1/01 - 7/30/03	2069 12321	\$66,000
Hutcheson,Harry Joel	Primary PI	Bioagriculturl Sci & Pest Mgmt HHS-NIH-NIAID-Allergy & Infect Diseases	Molecular Genetic Markers for Medically Important Tick Vectors 9/30/01 - 8/31/03	7633 12032	\$159,957
Ishimaru,Carol A Knudson,Dennis L	Primary PI Co-PI	Bioagriculturl Sci & Pest Mgmt USDA-CSREES-Coop State Rsrch Edu & Ext	Complete Genome Sequence of Clavibacter Michiganensis Subsp. Sepedonicus 9/15/01 - 9/30/03	1420 11476	\$400,000
Jacobi,William R Cipra,Jan E Reich,Robin M	Primary PI Collaborator Collaborator	Bioagriculturl Sci & Pest Mgmt ** USDA - US Department of Agriculture	Landscape Scale Hazard Rating for White Pine Blister Rust 9/25/01 - 9/30/04	8782	\$78,000

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

\*\*Inter-departmental Project

Awards Received - 1

## Agricultural Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Lawrence, Christopher B	Primary PI	Bioagricultural Sci & Pest Mgmt University of Kentucky	Pathogen-inducible Promoters for High Level Disease Resistance	2/12/01 - 6/30/02	5345 10681	\$25,000
Mcdonald, Sandra K	Primary PI	Bioagricultural Sci & Pest Mgmt University of California at Davis	Colorado Pest Management Center	1/1/01 - 9/14/02	1368 10798	\$72,794
Norton, Andrew P	Primary PI	Bioagricultural Sci & Pest Mgmt USDA-ARS-Agricultural Research Service	Investigations on the Distribution & Biology of Tarnished Plant Bugs (Lygus spp.) & their Natural Emenies in Colorado	10/1/01 - 9/30/02	2097 12373	\$5,000
Peairs, Frank B Quick, James S	Primary PI Co-PI	Bioagricultural Sci & Pest Mgmt Colorado Wheat Administrative Commission	Development of Winter Wheat Varieties Resistant to Russian Wheat Aphid	7/1/97 - 6/30/02	8304	\$15,000
Westra, Philip	Primary PI	Bioagricultural Sci & Pest Mgmt Washington State University	Integrated Management Systems for Jointed Goatgrass Control in the Central Great Plains	9/15/01 - 9/30/03	1311 12103	\$20,000
Westra, Philip	Primary PI	Bioagricultural Sci & Pest Mgmt Washington State University	Managing Imazamox-Resistant Wheat in Crop Rotations for Control of Jointed Goatgrass	9/15/01 - 9/30/03	1314 12105	\$20,000
Westra, Philip	Primary PI	Bioagricultural Sci & Pest Mgmt Colorado Wheat Administrative Commission	Winter Annual Grass Weed Research in Wheat	7/1/97 - 6/30/02	8301	\$20,000
Wallner, Stephen J Rewerts, Milan A Sommers, Lee E	Primary PI Collaborator Collaborator	Horticulture & Landscape Arch Colorado Department of Agriculture	Colorado Specialty Crops Program	11/21/01 - 10/31/06	0539 12689	\$1,500,000
Barbarick, Kenneth A Redente, Edward F	Primary PI Co-PI	Soil & Crop Sciences EPA - Environmental Protection Agency	Comparison of Reclamation Treatments at the Buffalo Creek Wildfire Site	10/1/01 - 9/30/03	5805 11792	\$49,500
Davis, Jessica G	Primary PI	Soil & Crop Sciences COCMA-Colo Organic Crop Mgmt Assoc	Nutrient Availability for Apple Trees from Chicken Manure & Compost	4/1/99 - 3/31/02	5016	\$7,240
Haley, Scott D	Primary PI	Soil & Crop Sciences Colorado Wheat Research Foundation, Inc.	Purpose of Developing, Propagating, Producing & Distributing Improved Wheat Cultivars	7/1/00 - 12/31/05	5141 10484	\$322
Haley, Scott D Quick, James S	Primary PI Co-PI	Soil & Crop Sciences Colorado Wheat Administrative Commission	Development of Improved Quality & High Yield in Wheat Germplasm in Colorado	7/1/97 - 6/30/02	8300	\$51,590
Haley, Scott D Quick, James S	Primary PI Co-PI	Soil & Crop Sciences Colorado Wheat Administrative Commission	Evaluation of Milling & Baking Performance of Colorado Wheats	7/1/97 - 6/30/02	8303	\$6,000
Haley, Scott D Quick, James S	Primary PI Co-PI	Soil & Crop Sciences Colorado Wheat Administrative Commission	Northwest Colorado Wheat Test Plot	7/1/01 - 6/30/02	8308 12519	\$2,000
Johnson, Jerry J	Primary PI	Soil & Crop Sciences Colorado Wheat Administrative Commission	Development of Improved Quality & High Yield in Wheat Germplasm in Colorado	7/1/97 - 6/30/02	8302	\$6,500

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

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## Agricultural Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Kelly,Eugene F	Primary PI Soil & Crop Sciences USDA-ARS-Agricultural Research Service	GIS & Database Product Delivery to End Users Utilizing the Internet	9/8/99 - 6/30/02	2001	\$55,000
Lapitan,Nora	Primary PI Soil & Crop Sciences University of California at Davis	The Structure, Function & Evolution of the Expressed Portion of the Wheat Genome	9/1/99 - 8/31/03	3406 991427	\$48,952
Loeffler,Timothy M	Primary PI Soil & Crop 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
Quick,James S Haley,Scott D	Primary PI Co-PI Soil & Crop Sciences Colorado Wheat Administrative Commission	Development of Improved Quality & High Yield in Spring Wheat Germplasm in Colorado	7/1/99 - 6/30/02	8307	\$14,500
<b>Agricultural Sciences Total:</b>					<b>\$3,064,635</b>

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Awards Received - 3

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 Mccracken, Pamela S	Primary PI Co-PI	Dean Of Applied Human Sciences US Department of Education	Drug Court as a Systems-based Model for High- risk Drinking on a Campus	10/1/01 - 9/30/03	4230 10864	\$173,673
Thayer, Marilyn L	Primary PI	Dean Of Applied Human Sciences Poudre School District R-1	Even Start Program	7/1/01 - 6/30/02	5160	\$20,962
Hickey, Matthew Israel, Richard G Melby, Christopher L	Primary PI Collaborator Collaborator	Dept Of Health & Exercise Sci Slim-Fast Nutrition Institute	Post-exercise Protein Feeding: Role in Recovery from Eccentric Exercise	11/16/01 - 6/30/03	6077 11480	\$46,283
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 - 12/31/02	5214 2582	\$13,000
Avens, John S	Primary PI	Food Science & Human Nutrition Community Power Corporation	Demonstration of Modular Biopower System Using Poultry Waste	9/15/01 - 2/15/02	3939 11185	\$15,495
Beckstrom, Leslie A	Primary PI	Food Science & Human Nutrition Colorado Action for Healthy People	Happy Feet and Healthy Eats	10/15/01 - 10/14/02	5157 12098	\$10,000
Fidler, Deborah	Primary PI	Human Dev & Family Studies Developmental Psychobiology Endow Fund	Exploring Differences in Emotional Expression in Individuals with Down Syndrome, Williams Syndrome, & Nonspecific . . .	1/1/02 - 5/1/02	5185 12623	\$5,000
Mcbride, Ruth	Primary PI	Human Dev & Family Studies US Department of Education	Child Care Access Means Parents in School Program	10/1/01 - 9/30/05	4226 11465	\$67,124
Folkestad, James E De Miranda, Michael Ant	Primary PI Co-PI	Mfg Tech & Constr Mgmt DOE-OCRE-Conservation & Renewable Energy	Integration of RSP Tooling with Rapid Prototyping for Die Casting Applications	11/15/00 - 11/14/03	3806 1264	\$63,108
Kozioł, Christopher J	Primary PI	Mfg Tech & Constr Mgmt DOI-NPS-National Park Service	Lime Concrete & Plaster Preservation	9/1/01 - 9/30/02	1777 12291	\$51,000
Sheafor, Bradford W De Miranda, Michael Ant	Primary PI Co-PI	Mfg Tech & Constr Mgmt Universidad de Atacama	Technology & Education Symposium 1	8/4/01 - 8/3/06	5704	\$5,824
Sample, Pat L	Primary PI	Occupational Therapy HHS-CDC-Centers for Disease Control	Community Readiness & Rehabilitation Services for Individuals with Traumatic Brain Injury in Rural Co & Wy	9/1/95 - 7/31/06	7874 10161	\$72,500
Schelly, Catherine L	Primary PI	Occupational Therapy US Department of Education	Recreation Works	10/1/01 - 9/30/04	4227 11838	\$140,000
Feller, Richard W	Primary PI	School Of Education CO Comm College & Occup Ed Sys (CCCOES)	Career Development State-Wide Training	8/6/01 - 5/16/02	0537 11823	\$13,529

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Awards Received - 4

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
Gloeckner,Gene	Primary PI	School Of Education CO Comm College & Occup Ed Sys (CCCOES)	Statewide Research Project 9/17/01 - 6/30/02	0540 12857	\$25,000
Middleton,Valerie A Tochterman,Suzanne M	Primary PI Co-PI	School Of Education CCHE-Commission on Higher Education	Eisenhower Teacher Preparation, Professional Development, & Service-Learning Partnership 9/30/02	7/1/01 - 0110 11234	\$85,000
Yohon,Teresa I	Primary PI	School Of Education CO Comm College & Occup Ed Sys (CCCOES)	Key Colorado Educational Technology Issues 10/26/01 - 6/30/02	0535 11190	\$6,840
Yohon,Teresa I	Primary PI	School Of Education CO Comm College & Occup Ed Sys (CCCOES)	Performance Assessment Development for Colorado PT3 Grant 10/26/01 - 6/30/02	0536 11191	\$6,588
Yohon,Teresa I	Primary PI	School Of Education US Department of Education	Building an On-line Credentialing System for Career/Technical Teachers (Colorado Credentialing Learning System) 10/15/01 - 10/14/04	4229 11295	\$316,428
Schatz,Mona Struhsaker	Primary PI	Social Work HHS-ACF-Child Welfare Services Training	Child Welfare Training: CSU Rocky Mountain BSW Traineeship Project 9/30/00 - 9/29/03	7906 11544	\$75,000
Sheafor,Bradford W Foster,Ashley Granger,Georgia	Primary PI Collaborator Collaborator	Social Work Dr. Scholl Foundation	HABIC-Human Animal Bond in Colorado 1/1/02 - 12/31/02	5207 11495	\$10,000
<b>Applied Human Sciences Total:</b>					<b>\$1,222,354</b>

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\*\*Inter-departmental Project

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 Hall,Ronald C	Primary PI Co-PI	Inst For Transportation Mgt DOT-Federal Highway Administration	Technology Transfer Program for American Indian Tribal Governments	2/1/99 - 2/1/04	1037 771	\$59,400
Francis,G James	Primary PI	Inst For Transportation Mgt National Safety Council	Denver Metro Seatbelt Usage Study - YR 2001	9/30/01 - 2/2/02	1058 12309	\$44,972
<b>Business Total:</b>					<b>\$104,372</b>	

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\*\*Inter-departmental Project

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 Walko,Robert L	Primary PI Co-PI	Atmospheric Science UCAR-NCAR-Nat Ctr for Atmospheric Res	Development & Testing of a Microphysical Model for Prediction of Aircraft Icing	2/2/00 - 7/31/02	1053 823	\$25,485
Cotton,William R	Primary PI	Atmospheric Science NSF-GEO-Geosciences	Numerical Simulation & Analysis of Mesoscale Convective Systems & Severe Storms	7/1/99 - 12/31/02	3588 990628	\$220,001
Demott,Paul J Kreidenweis-Dandy,Soni Rogers,David C	Primary PI Co-PI Co-PI	Atmospheric Science NSF-GEO-Geosciences	Studies of Homogenous & Heterogeneous Ice Formation in Upper Tropospheric Conditions	3/1/00 - 2/28/03	3054 618	\$221,385
Denning,A Scott	Primary PI	Atmospheric Science NASA-Goddard	Spatial Integration of Regional Carbon Balance in Amazonia	7/1/98 - 12/31/02	1987 1664	\$120,758
Denning,A Scott	Primary PI	Atmospheric Science Tulane University	Regional Estimation of Terrestrial CO2 Exchange from NIGEC Flux Data, Satellite Imagery, & Atmospheric Composition	7/1/00 - 6/30/02	3920 372	\$105,000
Denning,A Scott	Primary PI	Atmospheric Science Pennsylvania State University	Regional Forest - ABL Coupling: Influence on CO2 & Climate	9/15/00 - 9/14/02	3931 2541	\$39,000
Gray,William M	Primary PI	Atmospheric Science NSF-GEO-Geosciences	Empirical Climate Prediction	12/15/00 - 11/30/03	3185 2212	\$150,001
Kreidenweis-Dandy,Soni Demott,Paul J	Primary PI Co-PI	Atmospheric Science NSF - National Science Foundation	Single-particle Mass Spectroscopy of Ice Nucleating Particles	12/1/01 - 11/30/03	3225 11435	\$104,847
Pielke,Roger A Liston,Glen E	Primary PI Co-PI	Atmospheric Science NASA - Natl Aeronautics & Space Admin.	Ensemble Simulations of Regional Climate Incorporating Explicit Vegetation Dynamics & Terrestrial ...	11/1/01 - 10/31/04	1924 12217	\$114,247
Randall,David A Eitzen,Zachary A	Primary PI Collaborator	Atmospheric Science NASA - Natl Aeronautics & Space Admin.	Comparison of Cloud Resolving Model Simulations to Remote Sensing Data	12/1/01 - 11/30/03	1931 12541	\$84,225
Randall,David A	Primary PI	Atmospheric Science NASA-Langley Research Center	Interdisciplinary Science Investigation of Clouds & the Earth's Radiant Energy System	11/1/98 - 12/31/01	1968 990221	\$53,864
Rutledge,Steven A Venkatachalam,Chandras Bringi,Viswanathan N	Primary PI Co-PI Collaborator	Atmospheric Science NSF - National Science Foundation	ITR/AP Sensor Fusion & Networking of Radars for Multiple Doppler & In-situ Observations	10/1/01 - 9/30/06	3124 11269	\$231,094
Rutledge,Steven A Bringi,Viswanathan N Venkatachalam,Chandras	Primary PI Co-PI Co-PI	Atmospheric Science NSF - National Science Foundation	The Colorado State University - CHILL Radar Facility	9/1/01 - 8/31/06	3306 10664	\$597,259

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

\*\*Inter-departmental Project

Awards Received - 7

## Engineering - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Rutledge,Steven A Stephens,Graeme L	Primary PI Co-PI UMASS-University of Massachusetts	Atmospheric Science Development of an Advanced Multi-Frequency Radar for Atmospheric Research	9/1/01 - 8/31/02	3400 10973	\$35,881
Schubert,Wayne H	Primary PI NSF-GEO-Geosciences	Atmospheric Science Dynamics of Tropical Cyclones & the Hadley Circulation	12/1/00 - 11/30/03	3164 2288	\$143,823
Stephens,Graeme L	Primary PI NASA-Goddard	Atmospheric Science CloudSat	12/17/99 - 4/30/02	1916	\$105,608
Stephens,Graeme L Randall,David A	Primary PI Co-PI NASA-Goddard	Atmospheric Science CloudSat	12/17/99 - 4/30/02	1917	\$11,200
Stephens,Graeme L Vonderhaar,Thomas H	Primary PI Co-PI NASA-Goddard	Atmospheric Science CloudSat	12/17/99 - 4/30/02	1918	\$14,000
Stephens,Graeme L	Primary PI NASA-Goddard	Atmospheric Science CloudSat	12/17/99 - 4/30/02	1919	\$69,908
Stephens,Graeme L	Primary PI NASA - Natl Aeronautics & Space Admin.	Atmospheric Science Algorithm and Instrument Support Activities for PICASSO-CENA	5/17/99 - 5/16/02	1997 990385	\$50,000
Stephens,Graeme L	Primary PI Calif. Inst. of Tech/Jet Propulsion Lab	Atmospheric Science Cloud Studies with an Airborne Cloud Radar	11/1/01 - 10/31/02	2712 12420	\$135,000
Reardon,Kenneth F Duteau,Nancy M Shackelford,Charles D	Primary PI Co-PI Co-PI EPA - Environmental Protection Agency	Chemical & Biores Engineering Lumped Chemical Approach for Fate & Transport Modeling of Organic Pollutant Mixtures	10/1/01 - 9/30/04	5806 2632	\$721,695
Rinker,Kristina D	Primary PI Whitaker Foundation	Chemical & Biores Engineering Evaluation of Shear Stress Induced Endothelial Cell Dysfunction	1/1/02 - 12/31/04	5202 10892	\$80,000
Gallagher,Neal C Watson,A Ted	Primary PI Co-PI Texas A & M	Chemical & Biores Engineering Determination of Transport Parameters in Coupled Heat & Moisture Transport in Soils Using Nuclear Magnetic Resonance	9/1/01 - 11/30/03	1352 12107	\$110,040
Wickramasinghe,Ranil	Primary PI NSF - Engineering Grant	Chemical & Biores Engineering CAREER: Virus Clearance by Flocculation during Bioreactor Harvesting	6/1/00 - 5/31/03	3021	\$11,950
Browning,Gerald L	Primary PI DOD-NAVY-ONR-Office of Naval Research	CIRA Investigation of Boundary Conditions and Numerical Methods for Littoral Flows	1/1/01 - 12/31/02	2310 10408	\$112,481
Stephens,Graeme L Vonderhaar,Thomas H	Primary PI Co-PI NASA-Goddard	CIRA CloudSat	12/17/99 - 4/30/02	1920	\$70,684
Vonderhaar,Thomas H	Primary PI DOD - US Department of Defense	CIRA Department of Defense Center for Geosciences/ Atmospheric Research (CG/AR) Tech Transfer	9/28/01 - 9/27/02	7460 11803	\$294,657

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

\*\*Inter-departmental Project

Awards Received - 8

## Engineering - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Vonderhaar, Thomas H	Primary PI CIRA DOD - US Department of Defense	Department of Defense Center for Geosciences/ Atmospheric Research (CG/AR) Hydrometeorology	9/28/01 - 9/27/02	7465 11803	\$189,986
Vonderhaar, Thomas H	Primary PI CIRA DOD - US Department of Defense	Department of Defense Center for Geosciences/ Atmospheric Research (CG/AR) Cloud Dynamics	9/28/01 - 9/27/02	7470 11803	\$617,151
Vonderhaar, Thomas H	Primary PI CIRA DOD - US Department of Defense	Department of Defense Center for Geosciences/ Atmospheric Research (CG/AR) 4DDA	9/28/01 - 9/27/02	7475 11803	\$292,670
Vonderhaar, Thomas H	Primary PI CIRA DOD - US Department of Defense	Department of Defense Center for Geosciences/ Atmospheric Research (CG/AR) Chemistry	9/28/01 - 9/27/02	7480 11803	\$86,759
Vonderhaar, Thomas H	Primary PI CIRA DOD - US Department of Defense	Department of Defense Center for Geosciences/ Atmospheric Research (CG/AR) Battlespace	9/28/01 - 9/27/02	7485 11803	\$368,777
Abt, Steven R	Primary PI Civil Engineering USDA-USFS-Rocky Mtn. Rsrch Station - CO	Bedload Transport in Gravel-bed Rivers & Channel Change	11/2/00 - 10/30/05	8842 10158	\$62,341
Buchan, Roy M Ayers, Brian C	Primary PI Co-PI Civil Engineering HHS-CDC-Centers for Disease Control	ROPS Design & Testing for Tractors & Other Agricultural Vehicles	9/30/01 - 9/29/03	7635 11247	\$103,388
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 - 6/30/02	1991 991082	\$180,350
Gates, Timothy K	Primary PI Civil Engineering Bent Soil Conservation Board	Salinity Studies	3/1/99 - 6/30/03	5556 991665	\$8,000
Grigg, Neil S	Primary PI Civil Engineering American Water Works Assc. Research Fd.	Synthesis Documents on Infrastructure Integrity	11/1/01 - 8/1/04	5400 11726	\$104,965
Gutkowski, Richard M	Primary PI Civil Engineering North Dakota State University	MPC Local Program Management	7/1/01 - 6/30/02	9527	\$16,892
Gutkowski, Richard M	Primary PI Civil Engineering North Dakota State University	Local Tel8	7/1/01 - 6/30/02	9528	\$17,345
Gutkowski, Richard M Woods, Sandra L	Primary PI Co-PI Civil Engineering North Dakota State University	North Front Range Transportation Research Internships	7/1/01 - 6/30/02	9529	\$20,190
Gutkowski, Richard M Hartnagel, Bryan Radford, Donald W	Primary PI Co-PI Co-PI Civil Engineering North Dakota State University	Pultruded Composite Shear Spike for Repair of Large Timber Members	7/1/01 - 6/30/02	9530	\$25,218

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\*\*Inter-departmental Project

Awards Received - 9

## Engineering - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Gutkowski,Richard M	Primary PI	Civil Engineering North Dakota State University	Structural Modeling of Substructure Resistance for Timber Trestle Railroad Bridges	7/1/01 - 6/30/02	9531	\$17,850
Gutkowski,Richard M Balogh,Jeno	Primary PI Co-PI	Civil Engineering North Dakota State University	Experimental Thick-Deck Wood-Concrete Highway Bridge Construction	7/1/01 - 6/30/02	9532	\$36,312
Julien,Pierre Y Bledsoe,Brian Shackelford,Charles D Watson,Chester C	Primary PI Co-PI Co-PI Co-PI	Civil Engineering EPA - Environmental Protection Agency	Fate and Transport of Metals and Sediment in Surface Water	11/1/01 - 10/31/06	5830 <i>11601</i>	\$115,077
Labadie,John W	Primary PI	Civil Engineering CH2M Hill	IID/SDCWA Water Transfer EIR/EIS - Conservation Modeling	12/1/99 - 11/30/01	6068	\$12,001
Loftis,Jim C	Primary PI	Civil Engineering ** Various "Non-Profit" Sponsors	Eutrophication of Reservoirs on the Colorado Front Range	3/1/01 - 10/31/02	5055 <i>11069</i>	\$12,000
Loftis,Jim C	Primary PI	Civil Engineering City of Portland	Williamette River Bacteria Assessment	11/21/01 - 6/30/02	5162	\$13,000
Reardon,Kenneth F Shackelford,Charles D Woods,Sandra L Duteau,Nancy M	Primary PI Co-PI Co-PI Collaborator	Civil Engineering EPA - Environmental Protection Agency	Remediation of Mine Drainage in a Microbially Active Permeable Barrier Reactor	11/1/01 - 10/31/06	5831 <i>11601</i>	\$214,389
Salas,Jose D Cipra,Jan E Ramirez,Jorge A	Primary PI Co-PI Co-PI	Civil Engineering USDA-ARS-Agricultural Research Service	Quantifying Space-Time Variability in Agricultural Landscapes	9/8/99 - 7/14/04	2005 <i>992527</i>	\$67,500
Gutkowski,Richard M	Primary PI	Civil Engineering North Dakota State University	Road Dust Suppression: Effect on Maintenance, Stability, Safety & the Environment	7/1/01 - 6/30/02	9533	\$12,363
Shackelford,Charles D	Primary PI	Civil Engineering EPA - Environmental Protection Agency	Rocky Mountain Regional Hazardous Substance Research Center	11/1/01 - 10/31/06	5828 <i>11601</i>	\$27,159
Shackelford,Charles D	Primary PI	Civil Engineering EPA - Environmental Protection Agency	Rocky Mountain Regional Hazardous Substance Research Center	11/1/01 - 10/31/06	5829 <i>11601</i>	\$128,551
Walker,Lloyd R	Primary PI	Civil Engineering USDA-Natl Integrated Food Safety	Coordinated Agricultural Water Quality Programming for EPA Region VIII	9/15/00 - 9/14/03	1443	\$650,000
Wilkins-Wells,John Rees Podmore,Terence H	Primary PI Co-PI	Civil Engineering ** Soldier Canyon Filter Plant	Assessment of the Benefits & Costs of Pressurized Dual Water Systems	7/1/01 - 6/30/02	5152	\$5,000

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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
Woods,Sandra L Shackelford,Charles D	Primary PI Co-PI EPA - Environmental Protection Agency	Civil Engineering Rocky Mountain Regional Hazardous Substance Research Center	11/1/01 - 10/31/06	5833 11601	\$63,652
Woods,Sandra L Shackelford,Charles D	Primary PI Co-PI EPA - Environmental Protection Agency	Civil Engineering Rocky Mountain Regional Hazardous Substance Research Center	11/1/01 - 10/31/06	5833 11601	\$65,868
Azimi-Sadjadi,Mahmood	Primary PI DOD-NAVY-ONR-Office of Naval Research	Elec. & Computer Engineering A Biologically Inspired Adaptive Underwater Target Classification System - Phase II	1/1/01 - 9/30/02	2311 10553	\$99,829
Azimi-Sadjadi,Mahmood Scharf,Louis L	Primary PI Co-PI DOD-NAVY-ONR-Office of Naval Research	Elec. & Computer Engineering Detection & Classification of Underwater Targets in Heavy Reverberation & Clutter Using Canonical Coordinate ...	10/1/01 - 9/30/03	2362 11825	\$103,995
Chong,Edwin K. P	Primary PI Purdue University	Elec. & Computer Engineering Network Control via Online Sampling	6/28/01 - 6/27/03	2613 11110	\$73,850
Lear,Kevin Wilmsen,Carl W	Primary PI Co-PI GIT-Georgia Institute of Technology	Elec. & Computer Engineering Center for Bio Optoelectronic Sensor Systems	7/1/00 - 9/30/04	2617 2052	\$130,697
Menoni,Carmen S	Primary PI University of Colorado	Elec. & Computer Engineering Design & Testing of Dispersion-Controlled Quarter- Wave Stacks at 1.55um	7/1/01 - 6/30/02	0111 12485	\$18,000
Menoni,Carmen S	Primary PI Veepro-Ion Tech, Inc.	Elec. & Computer Engineering Design & Testing of Dispersion-Controlled Quarter-Wave Stacks at 1.55um	7/1/01 - 6/30/02	6059 12485	\$12,000
Nassar,Carl R	Primary PI Idris Communications	Elec. & Computer Engineering Airport Ground Vehicle Communication System	1/1/99 - 6/30/02	2725 981053	\$24,000
Patel,Dinesh Menoni,Carmen S	Primary PI Co-PI University of Colorado	Elec. & Computer Engineering Growth & Characterization of Nitrogen Containing III-V Alloys for Application in the Engineering . . .	7/1/01 - 6/30/02	0112 12486	\$24,000
Patel,Dinesh	Primary PI Cielo Communications, Inc.	Elec. & Computer Engineering Growth & Characterization of Nitrogen Containing III-V Alloys for Applications in the Engineering . . .	7/1/01 - 6/30/02	6065 12486	\$6,000
Rocca,Jorge J G	Primary PI Univ. California-Lawrence Livermore Lab	Elec. & Computer Engineering Dense Plasma Characterization Using Transient X-ray Laser Interferometry	10/31/01 - 9/30/02	3938 11509	\$28,940
Scharf,Louis L	Primary PI DOD-NAVY-ONR-Office of Naval Research	Elec. & Computer Engineering Reduced Rank Wiener Filters in Optimized Coordinates for Partially Adaptive Filtering in Passive & Active ...	8/6/01 - 9/30/02	2375 11217	\$85,524

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

\*\*Inter-departmental Project

## Engineering - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Venkatachalam, Chandras Rutledge, Steven A Bringi, Viswanathan N	Primary PI Co-PI Collaborator	Elec. & Computer Engineering NSF - National Science Foundation	ITR/AP Sensor Fusion & Networking of Radars for Multiple Doppler & In-situ Observations	10/1/01 - 9/30/06	3024 11269	\$1,799,998
Edwards, Harry W	Primary PI	Mechanical Engineering University of Tennessee/Battelle LLC	Energy Efficiency Improvement Assessment at the Denver Mint	12/1/01 - 12/31/02	3940 12562	\$16,863
Edwards, Harry W	Primary PI	Mechanical Engineering University City Science Center	Industrial Assessment Center	10/1/97 - 9/30/02	9338	\$36,600
Kostrzewa, Michael F	Primary PI	Mechanical Engineering AMEC Earth & Environmental, Inc.	Consulting Assistance with Energy Conservation Audits at South Dakota National Guard Facilities	8/27/01 - 12/31/01	2611 12106	\$11,667
Olsen, Daniel B Bestor, Ted	Primary PI Co-PI	Mechanical Engineering GTI-Gas Technology Institute	Fuel & Ignition Control for Articulated Engine Bank Optimization	11/1/01 - 8/31/02	5521 10834	\$149,438
Olsen, Daniel B	Primary PI	Mechanical Engineering GTI-Gas Technology Institute	Emissions Reduction Methods for 4-Stroke Lean-Burn, Industrial, Natural Gas Engines	11/1/01 - 6/30/02	5522 10407	\$149,428
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	\$360
Olsen, Daniel B	Primary PI	Mechanical Engineering Tennessee Gas Pipeline	Report-Assessment of Estimating Volatile Organic Compounds Emissions Based on Total Hydrocarbon Emissions & Fuel. . .	11/29/01 - 6/1/02	6101 12721	\$11,771
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 - 12/1/01	6144 11723	\$3,664
Smith, Frederick W	Primary PI	Mechanical Engineering Univ. California-Los Alamos National Lab	Implicit Finite Element Model Development & Validation for Discrete Fracture in High Explosives	12/3/01 - 11/12/03	3942 12482	\$176,326
Wheeler, Donna Pluhar, G. Elizabeth Turner, Anthony Simon	Primary PI Collaborator Collaborator	Mechanical Engineering Stryker Biotech	Delivery of osteogenic protein-1 (PO-1) in Enhanced Cement: An Ovine Tibial Osteotomy Study	10/1/01 - 10/1/02	6056 12201	\$135,555
Wilbur, Paul J	Primary PI	Mechanical Engineering Calif. Inst. of Tech/Jet Propulsion Lab	Ion Thruster Hollow Cathode Research	10/1/01 - 9/30/02	2716 11877	\$101,854
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	6081 12271	\$40,000

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

\*\*Inter-departmental Project

Awards Received - 12

## Engineering - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date	5-3 Proj #	Award
			End Date	PASS #	Amount
				<b>Engineering Total:</b>	<b>\$10,809,206</b>

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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
Crow,Mary	Primary PI	English City of Fort Collins - Fort Fund	Reading & Informal Discussion by Chinese Poet Bei Dao	6/27/01 - 12/31/01	5156	\$1,300
Crow,Mary	Primary PI	English Witter Bynner Foundation	Literacy through Poetry	6/1/01 - 5/31/02	5201 12717	\$6,700
Raynolds,Laura T	Primary PI	Sociology MacArthur Foundation	Fair Trade: Creating An Alternative Global Food System	1/1/02 - 5/31/03	5208 10885	\$75,000
Wilkins-Wells,John Rees	Primary PI	Sociology DOI-Bureau of Reclamation	Management Practice Study II - County Land Use Impacts on Irrigation Districts	3/1/99 - 9/30/02	2896 991978	\$79,000
<b>Liberal Arts Total:</b>						<b>\$162,000</b>

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\*\*Inter-departmental Project

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

## Natural Resources - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CEMML DOD-ARMY	Environmental Assessment for Multi-Purpose Range Complex for USARAK, SOW 01-25, On- Campus	9/30/01 - 9/30/02	2503 12431	\$1,468
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CEMML DOD-ARMY	Environmental Assessment for Multi-Purpose Range Complex for USARAK, SOW 01-25, Off- Campus	9/30/01 - 9/30/02	2504 12431	\$28,532
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CEMML DOD-ARMY	Mission Transformation EIS - Phase III SOW 01-24, On-Campus	9/30/01 - 9/30/03	2510 12427	\$333,025
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CEMML DOD-ARMY	Mission Transformation EIS - Phase III SOW 01-24, Off-Campus	9/30/01 - 9/30/03	2511 12427	\$84,275
Shaw,Robert B Zeidler,James A	Primary PI Co-PI	CEMML DOD-ARMY-Fort Drum, New York	Cultural Resources Survey for Fort Drum, New York, ON CAMPUS	1/1/02 - 12/31/04	2516 12804	\$18,695
Shaw,Robert B Zeidler,James A	Primary PI Co-PI	CEMML DOD-ARMY-Fort Drum, New York	Cultural Resources Survey for Fort Drum, New York, OFF CAMPUS	1/1/02 - 12/31/04	2517 12804	\$231,304
Shaw,Robert B Zeidler,James A	Primary PI Co-PI	CEMML DOD-ARMY-Fort Drum, New York	Special Survey Route Analysis for Fort Drum, New York, ON CAMPUS	1/1/02 - 12/31/04	2518 12802	\$4,720
Shaw,Robert B Zeidler,James A	Primary PI Co-PI	CEMML DOD-ARMY-Fort Drum, New York	Special Survey Route Analysis for Fort Drum, New York, OFF CAMPUS	1/1/02 - 12/31/04	2519 12802	\$45,280
Shaw,Robert B Zeidler,James A	Primary PI Co-PI	CEMML DOD-ARMY-Fort Drum, New York	Cultural Resources Site Evaluations Support for Fort Drum, New York, ON CAMPUS	1/1/02 - 12/31/04	2520 12803	\$13,946
Shaw,Robert B Zeidler,James A	Primary PI Co-PI	CEMML DOD-ARMY-Fort Drum, New York	Cultural Resources Site Evaluations Support for Fort Drum, New York, OFF CAMPUS	1/1/02 - 12/31/04	2521 12803	\$161,054
Shaw,Robert B	Primary PI	CEMML DOD-ARMY	Intergovernmental Personnel Act (IPA) Contract for Frederick W. Boecher	11/26/98 - 11/25/02	2550 990711	\$103,684
Shaw,Robert B	Primary PI	CEMML DOD-ARMY	Intergovernmental Personnel Act (IPA) Contract for Timothy A. Blume	11/26/98 - 11/25/02	2552 990710	\$89,081
Shaw,Robert B	Primary PI	CEMML DOD-ARMY	Intergovernmental Personnel Act (IPA) Contract for Michael F. Flannery, Jr.	11/26/98 - 11/25/02	2558 990712	\$100,762
Shaw,Robert B	Primary PI	CEMML DOD-ARMY	Intergovernmental Personnel Act (IPA) Contract for Jamie Marie Higgins	11/26/98 - 11/25/02	2559 990715	\$87,226

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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	Primary PI	CEMML DOD-ARMY	IPA for Joseph Norberg 3/1/00 - 2/29/04	2563 1511	\$355,122
Shaw,Robert B Doe,William W	Primary PI Co-PI	CEMML Calibre Systems, Inc.	Active/Inactive Range Inventory for US Army 7/13/00 - 10/13/02	2653 564	\$218,846
Shaw,Robert B Brozka,Robert J	Primary PI Co-PI	CEMML USDA-USFS-Rocky Mtn. Rsrch Station - CO	Integrated Training Area Management Program Support at Fort Dix, New Jersey 11/1/01 - 10/31/02	8552 12546	\$62,597
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CEMML USDA-USFS-Rocky Mtn. Rsrch Station - CO	Information Systems Support for ENRD at Fort Steward, George 1/15/02 - 1/14/03	8566 12645	\$61,908
Shaw,Robert B	Primary PI	CEMML USDA-USFS-Rocky Mtn. Rsrch Station - CO	Information Systems Support for Endangered Species Management at Ft. Stewart, GA 1/1/02 - 12/31/02	8567 12714	\$61,162
Shaw,Robert B Bagley,Calvin F	Primary PI Co-PI	CEMML USDA - US Department of Agriculture	Digitizing Historical Land-Use/Land Coverage Maps of Puerto Rico 9/24/01 - 9/30/02	8799 12314	\$29,000
Bergersen,Eric P	Primary PI	Coop Fish & Wildlife Research Montana State University	The Effect of Chemical & Biological Control of Tubifex on the Incidence of Whirling Disease in Colorado... 5/1/01 - 9/30/02	1618 1550	\$15,390
Savidge,Julie	Primary PI	Coop Fish & Wildlife Research DOI-USGS-Research and Data Acquisition	Biology & Control of Brown Treesnakes 8/21/00 - 10/1/05	2882 2561	\$277,277
Ethridge,Frank G Sutton,Sally	Primary PI Co-PI	Earth Resources Texaco, Inc.	Hydrocarbon Seal Development & Sequence Stratigraphy 1/1/00 - 8/30/03	6037	\$30,000
Hannah,Judith L	Primary PI	Earth Resources DOI-NPS-National Park Service	Establishment of Baseline Water Quality Conditions in the National Park Service 10/1/93 - 9/30/02	1730	\$100,000
Laituri,Melinda J	Primary PI	Earth Resources USDA-USFS-Rocky Mtn. Rsrch Station - CO	Snowmelt Runoff & Soil Moisture Recharge at the Fraser Experimental Forest 12/6/01 - 12/31/02	8800	\$17,842
Macdonald,Lee H	Primary PI	Earth Resources USDA-USFS-Forest Research	Monitoring Runoff & Erosion in the Upper South Platte Restoration 9/21/01 - 9/30/05	8786 12218	\$43,982
Macdonald,Lee H	Primary PI	Earth Resources USDA-USFS-Pacific SW	Sediment Production from Forested Areas in the Central Sierra Nevada 1/1/01 - 12/31/02	8869 10696	\$35,398
Wohl,Ellen E Cooper,David Jonathan Poff,N. Leroy	Primary PI Co-PI Co-PI	Earth Resources ** University of Wyoming	Wetland, Aquatic & Riparian Protocols 7/20/01 - 5/31/02	2206	\$68,425
Wohl,Ellen E	Primary PI	Earth Resources DOD-ARMY-ARO-Army Research Office	Characterization Channel Disturbance Regimes in Hydroclimatically Extreme Regions 8/1/00 - 7/31/03	7292 992169	\$50,000

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## Natural Resources - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Anderson,David G Drummond Iii,Boyce A	Primary PI Co-PI USDA-USFS-Forest Research	Fish & Wildlife Biology Region 2 Species Assessments- Botrychium campestre	11/29/01 - 1/1/03	8889 12290	\$7,593
Anderson,David G Drummond Iii,Boyce A	Primary PI Co-PI USDA-USFS-Forest Research	Fish & Wildlife Biology Region 2 Species Assessments- Botrychium echo	11/29/01 - 1/1/03	8890 12290	\$7,593
Anderson,David G Drummond Iii,Boyce A	Primary PI Co-PI USDA-USFS-Forest Research	Fish & Wildlife Biology Region 2 Species Assessments- Botrychium hesperium	11/29/01 - 1/1/03	8891 12290	\$7,593
Anderson,David G Drummond Iii,Boyce A	Primary PI Co-PI USDA-USFS-Forest Research	Fish & Wildlife Biology Region 2 Species Assessments- Potentilla effusa var. rupincola	11/29/01 - 1/1/03	8892 12290	\$7,593
Anderson,David G Drummond Iii,Boyce A	Primary PI Co-PI USDA-USFS-Forest Research	Fish & Wildlife Biology Region 2 Species Assessments- Eriogonum coloradensis	11/29/01 - 1/1/03	8893 12290	\$7,593
Anderson,David G Drummond Iii,Boyce A	Primary PI Co-PI USDA-USFS-Forest Research	Fish & Wildlife Biology Region 2 Species Assessments- Cirsium perplexans	11/29/01 - 1/1/03	8894 12290	\$7,593
Anderson,David G Drummond Iii,Boyce A	Primary PI Co-PI USDA-USFS-Forest Research	Fish & Wildlife Biology Region 2 Species Assessments- Neoparrya lithophila	11/29/01 - 1/1/03	8895 12290	\$7,593
Anderson,David G Drummond Iii,Boyce A	Primary PI Co-PI USDA-USFS-Forest Research	Fish & Wildlife Biology Region 2 Species Assessments- Gilia sedifolia	11/29/01 - 1/1/03	8896 12290	\$6,518
Anderson,David G Drummond Iii,Boyce A	Primary PI Co-PI USDA-USFS-Forest Research	Fish & Wildlife Biology Region 2 Species Assessments- Thelypodopsis juniperorum	11/29/01 - 1/1/03	8897 12290	\$6,518
Black,Anne E	Primary PI Colorado Department of Transportation	Fish & Wildlife Biology Spatial Maximization of Prebles Meadow Jumping Mouse Habitat	11/30/01 - 3/1/02	0538 11647	\$4,828
Black,Anne E	Primary PI DOI-BLM-Bureau of Land Management	Fish & Wildlife Biology Sagebrush Mapping Project	9/1/01 - 2/1/02	1852 12246	\$25,000
Clements,William H Shackelford,Charles D	Primary PI Co-PI EPA - Environmental Protection Agency	Fish & Wildlife Biology Evaluating Recovery of Stream Ecosystems from Mining Pollution: Integrating Population, Community & Ecosystem	11/1/01 - 10/31/06	5832 11601	\$150,289
Clements,William H	Primary PI USDA-USFS-Forest Research	Fish & Wildlife Biology Monitoring Ecological & Physico-chemical Effects of the Cerro Grande Fire	10/24/01 - 9/30/02	8794 12349	\$50,000
Covich,Alan P	Primary PI University of Puerto Rico	Fish & Wildlife Biology Long-Term Ecological Research - Luquillo Experimental Forest	11/1/01 - 10/31/02	3455	\$27,000
Culver,Denise R	Primary PI Colorado Department of Natural Resources	Fish & Wildlife Biology Natural Heritage Inventory & Assessment of Wetlands in Gunnison County	10/17/01 - 12/31/02	0532 10027	\$79,000

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\*\*Inter-departmental Project

## Natural Resources - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Culver,Denise R	Primary PI Colorado Department of Natural Resources	Fish & Wildlife Biology Comprehensive Statewide Wetlands Classification & Characterization	10/17/01 - 12/31/02	0533 10029	\$87,358
Culver,Denise R	Primary PI DOI-BLM-Bureau of Land Management	Fish & Wildlife Biology Roan Creek Seeps & Springs Survey	9/28/01 - 9/30/02	1889 12155	\$5,000
Culver,Denise R	Primary PI DOI-BLM-Bureau of Land Management	Fish & Wildlife Biology Mesa County Seeps & Springs Survey - Phase 2	9/28/01 - 9/30/02	1893 12154	\$5,500
Doyle,Georgia A	Primary PI Colorado Division of Wildlife	Fish & Wildlife Biology Duck Stamp Report--Extension	12/15/01 - 6/30/02	0541 12676	\$2,037
Doyle,Georgia A	Primary PI El Paso County Parks	Fish & Wildlife Biology El Paso County Biological Inventory & Assessment	3/15/00 - 6/30/02	5565 244	\$10,000
Grunau,Lee	Primary PI USDA-USFS-Rocky Mtn. Rsrch Station - CO	Fish & Wildlife Biology Region 2 FY02	11/1/01 - 9/30/02	8825 12343	\$24,982
Lavender,Amy E	Primary PI DOI-BLM-Bureau of Land Management	Fish & Wildlife Biology Lynx Habitat Mapping Project Update FY 2002	9/15/01 - 9/30/02	1782 12267	\$25,000
Loar,Alison M	Primary PI Association for Biodiversity Information	Fish & Wildlife Biology Noise Sensitive Species Project	11/30/01 - 8/31/02	2620 11360	\$9,979
Lyon,Margarette J	Primary PI Ridgway Town Council	Fish & Wildlife Biology Analysis of Current Vegetation & Revegetation Plan for the Uncompahgre River	10/9/01 - 1/31/02	5180 12499	\$5,045
Robinette,H. Randall	Primary PI USDA-NRCS-Natural Resources Consvtn Srv	Fish & Wildlife Biology Wildlife Habitat Management Institute	12/1/97 - 9/30/02	2123	\$22,000
Rondeau,Renee	Primary PI The Nature Conservancy	Fish & Wildlife Biology Utah High Plateaus Ecoregion Planning	10/1/01 - 6/30/02	2223 12342	\$22,000
Savidge,Julie	Primary PI DOI-USGS-Geological Survey	Fish & Wildlife Biology Landscape-scale Fire Patterns in the Ponderosa Pine/Upland Shrub System	8/15/01 - 8/14/02	1789 11866	\$1,526
Schorr,Robert	Primary PI DOI-BLM-Bureau of Land Management	Fish & Wildlife Biology Black-tailed Prairie Dog Surveys in Pueblo County	9/28/01 - 9/30/02	1888 12286	\$10,000
Schorr,Robert	Primary PI DOD-USAF-Air Force	Fish & Wildlife Biology Preble's Meadow Jumping Mouse Studies on the U.S. Air Force Academy	10/1/01 - 9/30/02	2318 1042	\$36,165
Schorr,Robert	Primary PI DOD - US Department of Defense	Fish & Wildlife Biology Study of Fire Effects to Preble's Meadow Jumping Mouse ( <i>Zapus hudsonius preblei</i> ) Habitat & Populations on the ...	9/30/01 - 9/30/02	2326 11522	\$63,903

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## Natural Resources - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Siemers,Jeremy	Primary PI	Fish & Wildlife Biology USDA-USFS-Forest Research	Arapaho-Roosevelt National Forest Management Indicator Species Evaluation	9/11/01 - 9/30/02	8787 12205	\$21,000
Spackman,Susan	Primary PI	Fish & Wildlife Biology National Fish and Wildlife Foundation	Upper Arkansas River Rare Plants & Pollinators	4/1/01 - 11/30/02	1619 10083	\$24,000
Stevens,Joseph E	Primary PI	Fish & Wildlife Biology DOI-BLM-Bureau of Land Management	Data Development & Delivery	10/1/01 - 9/30/02	1783 12204	\$11,000
Stevens,Joseph E	Primary PI	Fish & Wildlife Biology DOD-USAF-Air Force	Preble's Meadow Jumping Mouse Habitat Mitigation Monitoring	10/1/01 - 9/30/02	2321 11676	\$37,343
Wunder,Michael B Mccoy,Timothy D	Primary PI Co-PI	Fish & Wildlife Biology DOI-USGS-Geological Survey	Mountain Plovers on Private Lands	8/1/01 - 2/28/05	1770 10663	\$93,700
Burke,Ingrid C Vonderhaar,Thomas H	Primary PI Co-PI	Forest Sciences NASA - Natl Aeronautics & Space Admin.	Application of Remotely Sensed Imagery to Assessing the Probabilities & Carbon Consequences of Fire	12/3/01 - 12/3/05	1956 10732	\$110,544
Burke,Ingrid C Kelly,Eugene F	Primary PI Co-PI	Forest Sciences NSF-Biological Sciences	Long Term Ecological Research Program: Shortgrass Steppe	2/1/97 - 1/31/03	3033	\$560,000
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 - 8/31/02	8729 11895	\$6,642
Rideout,Douglas B Loomis,John B	Primary PI Co-PI	Forest Sciences University of Montana	Integrated Fuels Treatment Assessment: Ecological Economic & Financial Impacts	11/23/99 - 9/30/02	2216 1667	\$44,476
Manfredo,Michael J Bright,Alan	Primary PI Co-PI	Nat Res Recreation & Tourism Intl Assoc of Fish & Wildlife Agencies	Human Dimensions Regional Survey--Pilot Phase	9/1/01 - 8/31/03	5168 11842	\$149,400
Baron,Jill	Primary PI	Natural Resource Ecology Lab National Park Foundation	Experiments to Determine The Effects Of N Deposition On High Elevation Lakes In RMNP	9/15/99 - 9/14/02	5408 992464	\$25,000
Ellis,James Boone,Randall B Hobbs,N. Thompson	Primary PI Co-PI Co-PI	Natural Resource Ecology Lab NSF - National Science Foundation	Biocomplexity, Spatial Scale, & Fragmentation: Implications for Arid & Semi-Arid Ecosystems ON CAMPUS	10/1/01 - 9/30/06	3018 10916	\$937,082
Ellis,James Boone,Randall B Hobbs,N. Thompson	Primary PI Co-PI Co-PI	Natural Resource Ecology Lab NSF - National Science Foundation	Biocomplexity, Spatial Scale, & Fragmentation: Implications for Arid & Semi-Arid Ecosystems OFF CAMPUS	10/1/01 - 9/30/06	3019 10916	\$962,920

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## Natural Resources - Awards

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 Assessment of Pastoral-Wildlife Interactions in East Africa	7/1/01 - 9/30/03	9016	\$165,900
Ellis,James Coughenour,Michael B Galvin,Kathleen	Primary PI Co-PI Co-PI	Natural Resource Ecology Lab University of California at Davis	Integrated Assessment of Pastoral-Wildlife Interactions in East Africa- On campus	7/1/01 - 9/30/03	9017	\$184,100
Hobbs,N. Thompson	Primary PI	Natural Resource Ecology Lab Colorado Division of Wildlife	Support & Maintenance of Natural Diversity Information System	7/1/99 - 6/30/02	0493	\$224,806
Kalkhan,Mohammed Reich,Robin M Stohlgren,Thomas J	Primary PI Co-PI Co-PI	Natural Resource Ecology Lab DOI-BLM-Bureau of Land Management	Landscape Assessment of Native & Exotic Plant Diversity & Cryptobiotic Crusts in the Grand Staircase-Escalante	3/1/00 - 2/28/05	2863 1416	\$100,000
Slusser,James R Gao,Wei	Primary PI Co-PI	Natural Resource Ecology Lab USDA-CSRS-SRG-Special Research Grants	Development & Management of a USDA UVB Monitoring Program	9/15/01 - 9/30/02	1409 980432	\$1,341,378
Wall,Diana H	Primary PI	Natural Resource Ecology Lab Intl Council of Scientific Unions	DIVERSITAS International Biodiversity Observation Year - 2001	8/1/99 - 12/31/02	5756 30	\$3,000
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...	8/1/01 - 4/30/02	3014 12196	\$40,400
Child,R. Dennis	Primary PI	Rangeland Ecosystem Science USDA-ARS-Agricultural Research Service	Undergraduate Research Mentoring Program in Rangeland Ecology	9/1/01 - 9/30/02	2096 12628	\$24,000
Child,R. Dennis	Primary PI	Rangeland Ecosystem Science USDA-ARS-Agricultural Research Service	Agriculture Research Internship Program for Early Career South African Scientist	9/28/01 - 9/30/06	2098 72	\$292,500
Child,R. Dennis	Primary PI	Rangeland Ecosystem Science USDA-ARS-Agricultural Research Service	Erosional Soil Loss & Its Effects on Rangeland Health & Productivity	9/21/01 - 8/12/06	2109	\$292,500
<b>Natural Resources Total:</b>						<b>\$9,114,491</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 Christopher Reeve Paralysis Foundation	Guiding Growth Cones through Integration of Actin Dynamics	12/15/01 - 12/14/02	5403 11839	\$62,932
Bamburg,James R	Primary PI	Biochemistry & Molecular Bio HHS-NIH-National Institutes of Health	ADF-actin Rods in Neurodegenerative Diseases	12/15/01 - 11/30/05	7648 11047	\$268,660
Lumb,Kevin J	Primary PI	Biochemistry & Molecular Bio American Cancer Society, Inc.	Structural Basis of Transcriptional Activation by Jun	1/1/02 - 12/31/05	5150 11344	\$750,000
Nyborg,Jennifer K	Primary PI	Biochemistry & Molecular Bio HHS-NIH-NCI-National Cancer Institute	Tax Dereglulation of Gene Expression Through CBP	1/1/99 - 12/31/03	7602 235	\$127,833
Nyborg,Jennifer K	Primary PI	Biochemistry & Molecular Bio HHS-NIH-NCI-National Cancer Institute	Tax Dereglulation of Gene Expression Through CBP	1/1/99 - 12/31/03	7646 235	\$270,520
Nyborg,Jennifer K	Primary PI	Biochemistry & Molecular Bio HHS-NIH-NCI-National Cancer Institute	Transcriptional Regulation by the HTLV I Tax Protein	12/15/93 - 11/30/02	7782	\$253,807
Paule,Marvin R	Primary PI	Biochemistry & Molecular Bio HHS-PHS-Genetics Research	RNA Polymerase I Transcription & Regulation Mechanisms	4/1/79 - 11/30/04	7721 992617	\$326,250
Stargell,Laurie A	Primary PI	Biochemistry & Molecular Bio HHS-PHS-Genetics Research	Genetic Analysis of Transcription Initiation	1/1/98 - 12/31/02	7781	\$217,919
Summers,Scott A	Primary PI	Biochemistry & Molecular Bio American Heart Association	Molecular Mechanisms of Insulin Resistance & Obesity: A New Approach	7/1/00 - 6/30/02	5669 955	\$29,996
Summers,Scott A	Primary PI	Biochemistry & Molecular Bio University of Colorado Health Sci Ctr	The Role of Sphingolipids in Insulin Action	6/1/00 - 12/31/01	7526	\$18,000
Woody,Robert W	Primary PI	Biochemistry & Molecular Bio HHS-PHS-Biophysics & Physiological Sci.	Optical Properties of Biological Macromolecules	12/1/76 - 11/30/03	7822 981035	\$253,092
Antolin,Michael F	Primary PI	Biology National Fish and Wildlife Foundation	Ecology & Genetics of Plague in Wildlife	8/15/01 - 8/14/02	1620 11787	\$33,400
Bedinger,Patricia A	Primary PI	Biology NSF - National Science Foundation	The Role of Pollen Extension Chimeras in Pollen-pistil Interactions	2/15/01 - 1/31/03	3204 2521	\$109,600
Geary,Edward E	Primary PI	Center For Sci, Math & Tech Ed NSF - National Science Foundation	Water in the Earth System: A National Science Digital Library K-12 Collections Project	1/1/02 - 12/31/03	3103 11347	\$899,749
Thompson,Stephen	Primary PI	Center For Sci, Math & Tech Ed DE-FIPSE-Fund Imp. of Post. Sec. Educ.	Conceptual Chemistry: A Curriculum to Put Students in the Picture	10/1/00 - 9/30/03	4223 1426	\$253,117

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## Natural Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Bernstein, Elliot R	Primary PI	Chemistry NSF - National Science Foundation	Hydrogen Abstraction Radical Reactions: Entrance Channel Control 2/15/01 - 1/31/04	3213 2198	\$29,000
Greenberg, Marc M	Primary PI	Chemistry HHS-NIH-National Institutes of Health	Investigations of DNA Damage & Repair & Their Applications 1/1/02 - 12/31/05	7651 11162	\$263,220
Greenberg, Marc M	Primary PI	Chemistry HHS-NIH-Center for Scientific Review	Mechanistic Studies of DNA Damage & Their Application 7/1/97 - 6/30/05	7869 10531	\$5,851
Hegedus, Louis S	Primary PI	Chemistry NSF-MPS-Mathematical & Physical Sciences	Transition Metals in Organic Synthesis 12/1/99 - 11/30/02	3001 991762	\$143,000
Hegedus, Louis S Bernstein, Elliot R	Primary PI Co-PI	Chemistry American Chemical Company	Editors for Journal of the American Chemical Society 6/1/84 - 12/31/04	6149	\$38,000
Bieman, James M	Primary PI	Computer Science CASI-Colorado Advanced Software Inst.	Evaluating the Architectural Design Quality of Object-Oriented Software 8/1/01 - 8/31/02	0113 12001	\$33,000
Chappell, Kelly	Primary PI	Mathematics DE-FIPSE-Fund Imp. of Post. Sec. Educ.	Lesson Study: Creating Laboratories for Curricular & Instructional Enhancement 11/1/00 - 10/31/03	4203 1501	\$94,323
Kirby, Michael J Dangelmayr, Gerhard H	Primary PI Co-PI	Mathematics NSF - National Science Foundation	A Mathematical Modeling Program for Undergraduates in Science, Mathematics, Engineering & Technology 1/1/02 - 12/31/04	3507 11694	\$74,935
Harton, John	Primary PI	Physics Fermi Ntl Accelerator Lab (Fermilab)	Construction of Pierre Auger Observatory Ground Array Components 9/9/99 - 12/31/02	3917 992490	\$15,000
Hochheimer, Hans D Dorhout, Peter K	Primary PI Co-PI	Physics NSF-CISE-Computer & Info Sci & Engin	Study of Structure-physical Properties Relation of New Materials with Reduced Dimensionality 3/1/01 - 2/28/04	3212 2697	\$101,667
Patton, Carl E	Primary PI	Physics DOC-NIST-Nat. Inst. Standards & Tech..	Precessional Dynamics in Magnetic Films 9/28/01 - 9/30/02	1283 11905	\$50,854
Patton, Carl E	Primary PI	Physics DOD-NAVY-ONR-Office of Naval Research	High Frequency Properties of Ferrite Films for Microwave & Millimeter Wave Devices 10/1/93 - 9/30/02	2329	\$120,000
Patton, Carl E	Primary PI	Physics NSF - National Science Foundation	From Solitons to Precessional Dynamics & Chaos - Nonlinear Spin Waves in Magnetic Thin Film 11/1/01 - 10/31/04	3307 10819	\$115,000
Stallones, Lorann	Primary PI	Psychology HHS-CDC-Centers for Disease Control	Understanding & Treating High Anger Drivers From Rural & Non-Rural Backgrounds 9/1/95 - 7/31/06	7876 10161	\$135,146
Oetting, Eugene R	Primary PI	Psychology HHS-PHS-Drug Abuse Research Programs	Tri-Ethnic Center for Prevention Research 9/1/95 - 11/30/04	4611 12311	\$12,414

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## Natural Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Oetting,Eugene R	Primary PI	Psychology HHS-PHS-Drug Abuse Research Programs	Tri-Ethnic Center for Prevention Research 9/1/95 - 11/30/04	4611 12311	\$27,586
Seger,Carol A	Primary PI	Psychology HHS-NIH-National Institutes of Health	Neural Substrates of Concept Learning 9/1/01 - 8/31/02	4557 10254	\$72,500
Thurman,Pamela J Edwards,Ruth W Swaim,Randall C	Primary PI Co-PI Co-PI	Psychology HHS-CDC-Environ. Hlth & Injury Control	Cultural & Community Context of Perpetration of Intimate Violence in Rural & Ethnic Communities 9/30/00 - 9/29/03	4534 1972	\$300,000
Thurman,Pamela J Edwards,Ruth W Swaim,Randall C	Primary PI Co-PI Co-PI	Psychology HHS-CDC-Environ. Hlth & Injury Control	Cultural & Community Context of Perpetration of Intimate Violence in Rural & Ethnic Communities 9/30/00 - 9/29/03	4554 1972	\$300,000
Breidt,F.Jay	Primary PI	Statistics US Department of Labor	Using American Community Survey Data to Estimate Local Area Unemployment Characteristics 8/3/01 - 9/1/02	1012 12029	\$23,358
Breidt,F.Jay Urquhart,N. Scott	Primary PI Co-PI	Statistics Oregon State University	Applying Design-Based Model Assisted Survey Methodology to Aquatic Resources 12/28/01 - 10/14/05	5920 11192	\$141,136
Breidt,F.Jay	Primary PI	Statistics USDA-USFS-Rocky Mtn. Rsrch Station - UT	Nonparametric Model-Assisted Survey Estimation for Forest Inventory & Monitoring 12/6/01 - 11/1/01	8823 12113	\$100,000
Davis,Richard A Urquhart,N. Scott	Primary PI Co-PI	Statistics EPA - Environmental Protection Agency	Applying Spatial & Temporal Modeling of Statistical Surveys to Aquatic Resources 10/1/01 - 9/30/05	5817 11081	\$631,457
Davis,Richard A Theobald,David M Urquhart,N. Scott	Primary PI Co-PI Co-PI	Statistics EPA - Environmental Protection Agency	Applying Spatial & Temporal Modeling of Statistical Surveys to Aquatic Resources 10/1/01 - 9/30/05	5818 11081	\$117,980
Givens,Geof H	Primary PI	Statistics North Slope Borough (Alaska)	Completion of a Bowhead Aboriginal Whaling Management Procedure 1/2/02 - 6/30/02	5182 12300	\$67,585
Lee,Chun Man	Primary PI	Statistics UCAR-NCAR-Nat Ctr for Atmospheric Res	Statistical Research for Weather Prediction & Climate Change 8/15/01 - 6/30/02	3401 12130	\$19,188
<b>Natural Sciences Total:</b>					<b>\$6,907,075</b>

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## 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 American Heart Association	7/1/00 - 6/30/02	5689 772	\$18,000
Dudek,F Edward	Primary PI	Anatomy & Neurobiology University of Colorado Health Sci Ctr	8/1/01 - 7/31/05	4337 2584	\$185,296
Partin,Kathryn M	Primary PI	Anatomy & Neurobiology American Heart Association	1/1/00 - 12/31/03	5104 990800	\$65,000
Billinghurst,R. Clark Mcilwraith,C Wayne	Primary PI Co-PI	Clinical Sciences Bayer Corp / Ag - Animal Health Division	12/1/98 - 11/30/02	6336 990593	\$60,874
Billinghurst,R. Clark Mcilwraith,C Wayne	Primary PI Co-PI	Clinical Sciences Pfizer Inc - Animal Health	11/1/01 - 10/31/02	8259 2610	\$27,206
Dernell,William S	Primary PI	Clinical Sciences Irish Wolfhound Club of America	12/1/01 - 11/30/02	5167 12003	\$5,945
Frisbie,David D	Primary PI	Clinical Sciences Medical Research Council of Canada	5/1/00 - 3/31/03	5718 2479	\$7,166
Gaynor,James S	Primary PI	Clinical Sciences Neogen Corporation	9/1/01 - 1/15/02	8200 12306	\$35,383
Kawcak,Christopher E	Primary PI	Clinical Sciences Daiichi Fine Chemicals	10/1/01 - 1/31/02	8256 11398	\$34,416
Kimberling,Cleon V	Primary PI	Clinical Sciences USDA-ARS-Agricultural Research Service	9/26/00 - 9/14/03	2070 10322	\$10,000
Lappin,Michael R	Primary PI	Clinical Sciences Heska Corporation (Paravax)	11/1/01 - 4/30/03	8258 12429	\$96,993
Lappin,Michael R Hackett,Timothy B	Primary PI Co-PI	Clinical Sciences Heska Corporation (Paravax)	11/1/01 - 10/31/02	8262 12441	\$7,431
Turner,Anthony Simon	Primary PI	Clinical Sciences Kerlan-Jobe Orthopaedic Clinic	1/26/00 - 8/31/02	5174 986	\$13,000
Turner,Anthony Simon	Primary PI	Clinical Sciences Hospital for Special Surgery	12/14/00 - 3/15/02	5339 10671	\$27,620

\*Managed Sponsor

\*\*Inter-departmental Project

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
Turner,Anthony Simon	Primary PI Clinical Sciences Henry Ford Health System (Hospital)	Modulation of Local Bone Tissue Material Properties	8/1/01 - 5/31/02	7535 10492	\$117,596
Turner,Anthony Simon	Primary PI Clinical Sciences Medtronic, Inc.	Neck Fusion in an Ovine Model	3/1/01 - 10/31/02	8245 10804	\$50,047
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 - 12/2/02	8253 11637	\$38,429
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	8257 12333	\$30,988
Turner,Anthony Simon	Primary PI Clinical Sciences EBI-Electro-Biology, Inc.	Lumbar Interbody Fusions with Machined Allograft Spacers: A Study of Electrical Stimulation & Biological Adjuncts . . .	11/27/01 - 12/31/02	8260 12417	\$75,839
Turner,Anthony Simon	Primary PI Clinical Sciences Howmedica	Oxidation of Ultra-High Molecular Weight Poly Ethylene in vivo-Phase 2	12/12/01 - 12/11/07	8261 12419	\$11,373
Powers,Barbara E	Primary PI Dean Of Vet Medicine USDA-APHIS-Animal Plant Health Insp Srvc	Tissue Digestor Waste Reduction Plan	4/26/01 - 12/31/01	2004 11460	\$87,335
Powers,Barbara E	Primary PI Dean Of Vet Medicine USDA-APHIS-Animal Plant Health Insp Srvc	Tissue Digestor Waste Reduction Plan	4/26/01 - 12/31/01	2004 11460	\$97,665
Buchan,Roy M	Primary PI Environmental Health DOL-OSHA-Occupa. Safety & Health Admin.	Occupational Health & Safety Consultation Program	10/1/97 - 9/30/02	1021	\$804,000
Buchan,Roy M	Primary PI Environmental Health ** HHS-CDC-Centers for Disease Control	High Plains Intermountain Center for Agricultural Health & Safety	9/30/01 - 9/29/03	7634 11247	\$116,422
Hanneman,William H	Primary PI Environmental Health HHS-NIH-Bio Resp to Env Health Hazards	Trapping Developmental Genes that Respond to TCDD	1/15/00 - 12/31/02	7663 626	\$108,000
Herron,Robert E Gilkey,David P	Primary PI Co-PI Environmental Health HHS-CDC-Occup Safety & Health (NIOSH)	Occupational Low Back Pain in Residential Carpentry: Ergonomic Elements of Posture & Strain	9/30/01 - 9/29/03	7652 1341	\$17,855
Morley,Paul S Hyatt,Doreene R	Primary PI Co-PI Environmental Health ** HHS-FDA-Food & Drug Administration	Antimicrobial Use & Resistance in Enteric Bacteria	9/30/00 - 9/29/03	7622 1978	\$196,518
Nuckols,John R	Primary PI Environmental Health HHS-NIH-Center for Scientific Review	Geographic-based Exposure Assessment of Agricultural Chemicals & Childhood Cancer	9/27/01 - 8/31/05	7620 10488	\$230,946

\*Managed Sponsor

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

\*\*Inter-departmental Project

## Vet. Medicine & Biomedical Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount	
Reisfeld,Bradley Reardon,Kenneth F Yang,Raymond S H	Primary PI Co-PI Co-PI	Environmental Health ** HHS-NIH-National Institutes of Health	Biologically Based Reaction Network Modeling of P4502E1	8/1/01 - 7/31/06	7636 10227	\$127,825
Salman,M D Smith,Gary C Sofos,John N	Primary PI Co-PI Co-PI	Environmental Health USDA-CSREES-Coop State Rsrch Edu & Ext	Escherichia coli O157 in Cattle & Beef: Risks & Outreach Control Efforts	9/15/01 - 9/30/03	1422 11399	\$526,662
Salman,M D	Primary PI	Environmental Health USDA-Foreign Agricultural Service	Antimicrobial Susceptibility Patterns in Uruguayan Cattle: A Comparison with United States Cattle	9/1/01 - 8/31/02	2121 12742	\$17,272
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	\$24,711
Salman,M D	Primary PI	Environmental Health U.N.-Food & Agriculture Organization	Establishment of Global Internet Database for Export/Import Rules & Regulations of Animals & Animal Products	12/15/01 - 12/14/02	5706 12712	\$50,000
Stallones,Lorann	Primary PI	Environmental Health HHS-CDC-Centers for Disease Control	Colorado Injury Control Research Center	9/1/95 - 7/31/06	7873 10161	\$447,794
Stallones,Lorann	Primary PI	Environmental Health HHS-CDC-Centers for Disease Control	Evaluation of a Head & Spinal Cord Injury Prevention Program Among Migrant Youth	9/1/95 - 7/31/06	7877 10161	\$108,750
Yang,Raymond S H Andersen,Melvin E Campain,Julie A	Primary PI Collaborator Collaborator	Environmental Health HHS-PHS-Toxic Substances & Dis. Registry	Integration of Mechanistic Carcinogenicity Studies with PBPK/PD Modeling ...	9/30/94 - 9/29/02	7872 11658	\$204,000
Yang,Raymond S H Andersen,Melvin E	Primary PI Co-PI	Environmental Health HHS-NIH-Manpower Development in the EHS	Physiologically Based Pharmacokinetic/ Pharmacodynamic Model of Kepone: Mechanisms of Toxic Interaction	11/1/99 - 10/31/02	7938 991847	\$45,560
Beaty,Barry J Blair,Carol D	Primary PI Co-PI	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	Mosquito Reservoirs for Bunyavirus Transeasonality	1/1/02 - 12/31/02	4474 12223	\$206,931
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	4555 990466	\$32,600
Beaty,Barry J	Primary PI	Microbiology HHS-CDC-Centers for Disease Control	Longitudinal Studies of Rodent Reservoirs of Hantaviruses in the Southwestern United States	9/30/96 - 9/29/06	4556 11769	\$246,301
Howell,Mark D	Primary PI	Microbiology CytoLogic, Inc.	Immunotherapy of Cancer	7/1/99 - 12/31/01	6035 1116	\$13,343

\*Managed Sponsor

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\*\*Inter-departmental Project



## Vet. Medicine & Biomedical Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Olson,Kenneth E	Primary PI Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	Blocking Dengue Transmission by Transgenic Aedes Aegypti	1/1/01 - 12/31/05	4537 1053	\$481,239
Orme,Ian M	Primary PI Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	Chronic Tuberculosis: Latent or Dynamic?	12/10/98 - 11/30/03	4488 980234	\$237,078
Orme,Ian M	Primary PI Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	Chronic Tuberculosis: Latent or Dynamic?	12/10/98 - 11/30/03	4520 980234	\$68,076
Akkina,Ramesh K	Primary PI Pathology City of Hope National Medical Center	rAAV (Adeno-Associated Virus) Based Stem Cell Gene Therapy for AIDS Lymphoma	4/1/00 - 3/31/05	4316 992261	\$69,983
Allen,Thomas E	Primary PI Pathology Cancer League of Colorado, Inc.	Investigation of the Pathogenesis of a Retrovirus Induced Lung Cancer in a Transgenic Mouse	7/1/01 - 6/30/02	5177 11322	\$30,102
Avery,Anne C	Primary PI Pathology Morris Animal Foundation	Molecular Diagnosis of Canine Hematologic Neoplasia	9/1/00 - 8/31/02	5247 1626	\$51,113
Hoover,Edward A	Primary PI Pathology University of Kentucky	Transgenetic Studies of Prion Disease in Cervids	8/1/01 - 7/31/02	4334 475	\$8,000
Bowen,Richard A	Primary PI Physiology DynPort Vaccine Company, LLC	Safety & Efficacy Evaluation of Two Candidate Equine Encephalidities Vaccines	10/11/01 - 5/22/03	2619 11075	\$345,846
Bowen,Richard A	Primary PI Physiology Merial, Ltd.	Evaluation of a West Nile Virus Vaccine in Crows	12/1/01 - 11/30/02	6096 12072	\$20,207
Bowen,Richard A	Primary PI Physiology Merial, Ltd.	Efficacy of a Vectored West Nile Virus Vaccine Against an Experimental Mosquito Challenge in Horses	9/1/01 - 8/31/02	6099 12158	\$85,696
Clay,Colin	Primary PI Physiology HHS-PHS-Population Research	Regulation of GnRH Receptor Gene Expression	1/1/95 - 12/31/04	7836 990716	\$265,266
Tucker,Alan Florant,Gregory L	Primary PI Co-PI HHS-Heart and Vascular Disease Research	Short-Term Training for Minority Students	5/1/98 - 4/30/03	7787	\$9,132
Sample,Pat L	Primary PI Physiology HHS-CDC-Centers for Disease Control	IGF & Brain Injury	9/1/95 - 7/31/06	7875 10161	\$141,310
Nett,Torrance M	Primary PI Physiology USDA-CSREES-Coop State Rsrch Edu & Ext	Use of Gonadotropin-releasing Hormone- Pokeweed Antiviral Protein (GnRH-PAP) for Chemical Sterilization	10/15/01 - 10/31/04	1433 10865	\$250,000
Phillips,Robert W	Primary PI Physiology NASA-ARC-Ames Research Center	An Extended Analysis of Science Outreach Programs	3/1/99 - 6/30/02	1992	\$52,650

\*Managed Sponsor

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\*\*Inter-departmental Project

## Vet. Medicine & Biomedical Sciences - Awards

Investigators/Collaborators	Department/Sponsor	Title	Start Date End Date	5-3 Proj # PASS #	Award Amount
Seidel Jr,George E	Primary PI	Physiology Biopore, Inc.	Potential Improvement of Fertility in Cattle 6/23/97 - 3/31/02	6259	\$19,687
Seidel Jr,George E	Primary PI	Physiology XY, Inc.	Sexing Mammalian Sperm by Flow Cytometry 7/1/97 - 6/30/02	6279	\$431,719
Larue,Susan M	Primary PI	Radiological Health Sciences Duke University	Hyperthermia & Perfusion Effects in Cancer Therapy 9/20/00 - 6/30/02	7507	\$233,060
Larue,Susan M	Primary PI	Radiological Health Sciences Duke University	Hyperthermia & Perfusion Effects in Cancer Therapy 9/20/00 - 6/30/02	7508	\$40,209
Pinder,John E	Primary PI	Radiological Health Sciences Univ. California-Los Alamos National Lab	Experiments Designed to Study Effect of Fire on Wind Erosion at Los Alamos National Laboratory 2/28/01 - 9/30/02	3932 11197	\$15,000
Steyn,Phillip F Ogilvie,Gregory K Withrow,Stephen J	Primary PI Co-PI Co-PI	Radiological Health Sciences Copharos, Inc.	Indium 111 Labeled Vitamin B-12 Imaging of Cancer in Dogs & Cats with Naturally Occurring Tumors 10/1/01 - 9/30/02	6072 11249	\$117,811
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 ... 9/1/01 - 9/30/02	9301 11888	\$70,284
<b>Vet. Medicine &amp; Biomedical Sciences Total:</b>					<b>\$7,672,560</b>

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\*\*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
Chapital,Martelle	Primary PI	Academic Advancement Center DE-Student Support Services	9/1/97 - 8/31/02	4265	\$37,333
Heil,Robert D	Primary PI	Agric Experiment Station Western Association of Ag Exp Stn Direct	7/1/93 - 12/31/03	5500	\$127,050
Sommers,Lee E	Primary PI	Agric Experiment Station USDA-CSREES-Coop State Rsrch Edu & Ext	3/1/01 - 9/30/02	2085	\$1,500
Felix,Oscar	Primary PI	Center Educ Access & Outreach DE-Educational Opportunity Centers	9/1/99 - 8/31/04	4218	\$451,278
Ward,Robert C	Primary PI	Colo Water Resources Res Inst DOI-USGS-Geological Survey	9/1/01 - 8/31/03	2925 <i>12053</i>	\$120,000
Ward,Robert C Garcia,Luis	Primary PI Co-PI	Colo Water Resources Res Inst Various "Non-Profit" Sponsors	3/1/97 - 12/31/03	5153	\$10,000
Gray,Mary Mcphail Walker,Lloyd R	Primary PI Co-PI	Cooperative Extension Colorado Dept Public Health & Environ	9/12/99 - 12/31/02	0417	\$84,750
Hart,Amy L	Primary PI	Cooperative Extension Colorado Action for Healthy People	10/15/01 - 10/14/02	5166	\$10,000
Kaan,Dennis A Fetsch,Robert J	Primary PI Co-PI	Cooperative Extension Washington State University	9/15/01 - 9/14/02	1382 <i>11665</i>	\$19,992
Leidheiser,Dale A	Primary PI	Cooperative Extension Colorado Department of Education	7/1/01 - 6/30/02	0534 <i>11943</i>	\$8,000
Mejia,Susana Gray,Mary A	Primary PI Co-PI	Cooperative Extension USDA-CSREES-Coop State Rsrch Edu & Ext	11/12/01 - 11/30/02	2111 <i>12680</i>	\$85,751
Miller-Heyl,Janet L Fritz,Janet J Macphee,David L	Primary PI Co-PI Co-PI	Cooperative Extension HHS-SAMHSA-Consolidated Knowledge Dev	9/30/98 - 9/29/02	4527 <i>980609</i>	\$85,285
Rewerts,Milan A	Primary PI	Cooperative Extension Colorado Department of Local Affairs	1/1/02 - 12/31/02	0542 <i>11618</i>	\$83,750
Rewerts,Milan A	Primary PI	Cooperative Extension Colorado Department of Local Affairs	1/1/02 - 12/31/02	0543 <i>11618</i>	\$93,750

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\*\*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
Robb,James G	Primary PI	Cooperative Extension ** USDA-CSRS-SRG-Special Research Grants	Livestock Marketing Information Center 6/1/00 - 5/31/02	1461 11039	\$172,779
Zamora-Van Sice,Rebecc	Primary PI	Cooperative Extension CORRA-Colo Ofc of Res & Ref Agencies Inc	Child Care Development Fund Contract 7/1/01 - 6/30/02	4313	\$24,863
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	\$1,000
Bertschy,William J	Primary PI	Housing DOI-NPS-National Park Service	Management Alternatives for the Cache la Poudre River Corridor 10/1/01 - 9/30/03	1880 12268	\$58,000
Gorell,Thomas A	Primary PI	Hughes Un Bio-Ctr Life Science HHMI-Howard Hughes Medical Institute	Student Research & Broadening Access to Science 9/1/98 - 8/31/02	5621 990156	\$161,211
Gorell,Thomas A	Primary PI	Hughes Un Bio-Ctr Life Science HHMI-Howard Hughes Medical Institute	Program Administration 9/1/98 - 8/31/02	5622 990156	\$21,936
Gorell,Thomas A	Primary PI	Hughes Un Bio-Ctr Life Science HHMI-Howard Hughes Medical Institute	Curriculum, Equipment & Laboratory Development 9/1/98 - 8/31/02	5631 990156	\$14,810
Gorell,Thomas A	Primary PI	Hughes Un Bio-Ctr Life Science HHMI-Howard Hughes Medical Institute	Precollege & Other Outreach Programs 9/1/98 - 8/31/02	5632 990156	\$193,393
Gorell,Thomas A	Primary PI	Hughes Un Bio-Ctr Life Science HHMI-Howard Hughes Medical Institute	Faculty Development 9/1/98 - 8/31/02	5673 990156	\$4,250
Gorell,Thomas A	Primary PI	Provost/Academic V P HHMI-Howard Hughes Medical Institute	Program Assessment 9/1/98 - 8/31/02	5674 990156	\$4,400
Holm,David G	Primary PI	San Luis Valley Research Ctr Colorado Certified Potato Growers Assn	Potato Breeding Program 6/1/00 - 12/31/02	5542	\$6,596
Thompson,Asunta L Holm,David G	Primary PI Co-PI	San Luis Valley Research Ctr USDA-CSREES-Coop State Rsrch Edu & Ext	Potato Breeding & Cultivar Development in the Southwest 8/15/99 - 8/31/02	1362	\$125,000
Immasche,Sonia M	Primary PI	Student Center City of Fort Collins - Fort Fund	Community Homecoming Parade 2001 6/27/01 - 6/26/02	5161	\$4,000
Felix,Oscar	Primary PI	Talent Search Program DE-Department of Education Talent Search	University Talent Search 9/1/98 - 8/31/02	4266	\$317,726
Hopkins,Donn	Primary PI	University Police City of Fort Collins	Multijurisdictional Drug Task Force FY 2002 7/1/01 - 6/30/02	5159	\$66,392
				<b>Other Total:</b>	<b>\$2,394,795</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**

## Inter-departmental Proposals Submitted October 1, 2001 - December 31, 2001\*

Sorted by Primary PI

Key Number	Primary PI	Administering Department	Sponsor	Total
02388001	Anderson, Charles	Computer Science	NSF - National Science Foundation	\$721,125.00
02369001	Baron, Jill	Natural Resource Ecology Lab	EPA - Environmental Protection Agency	\$69,984.00
02385801	Beck, K George	Bioagricultural Sci & Pest Mgmt	USDA-CSREES-Coop State Rsrch Edu & E	\$117,249.00
02382001	Belk, Keith	Animal Sciences	AMIF - American Meat Institute Foundatio	\$197,976.00
02381101	Bhadra, Rajiv	Chemical & Biores Engineering	USDA - US Department of Agriculture	\$234,500.00
02368101	Bubar, Roe	Social Work	DOJ-OJP-OVC-Office of Victims of Crime	\$74,971.00
02378401	Burleigh, Joan M	Elec. & Computer Engineering	CCHE-Commission on Higher Education	\$59,757.00
02390201	Canetto, Silvia Sara	Psychology	AFSP-Amer Foundtn for Suicide Prevention	\$99,989.00
02391601	Dandy, David S	Chemical & Biores Engineering	NSF - National Science Foundation	\$1,965,399.00
02369401	Davis, Jessica G	Soil & Crop Sciences	USDA - US Department of Agriculture	\$60,000.00
02386801	Davis, Jessica G	Soil & Crop Sciences	EPA - Environmental Protection Agency	\$99,918.00
02390801	Fisher, Ellen R	Chemistry	NSF - National Science Foundation	\$1,161,781.00
02364201	Hammon, Robert W	Bioagricultural Sci & Pest Mgmt	USDA-CSREES-Coop State Rsrch Edu & E	\$64,223.00
02392701	Heyliger, Paul R	Civil Engineering	NSF - National Science Foundation	\$960,119.00
02368601	Irlbeck, Nancy A	Animal Sciences	USDA - US Department of Agriculture	\$51,797.00
02375901	James, Keith	Psychology	NSF - National Science Foundation	\$873,299.00
02366101	James, Susan P	Mechanical Engineering	NASA - Natl Aeronautics & Space Admin.	\$14,999,998.00
02375801	Jayasumana, M A Anura P	Elec. & Computer Engineering	NSF - National Science Foundation	\$361,473.00
02392201	Kelly, Kathleen J	Marketing	University of Colorado	\$732,473.00
02391301	Linden, James C	Microbiology	USDA - US Department of Agriculture	\$487,776.00
02382601	Mahan, John E	Elec. & Computer Engineering	NSF - National Science Foundation	\$621,224.00
02385901	Norton, Andrew P	Bioagricultural Sci & Pest Mgmt	USDA-CSREES-Coop State Rsrch Edu & E	\$38,660.00
02380501	Oad, Ramchand	Civil Engineering	USDA - US Department of Agriculture	\$426,294.00
02380001	Ojima, Dennis	Natural Resource Ecology Lab	NSF - National Science Foundation	\$4,989,892.00
02380701	Qian, Yaling	Horticulture & Landscape Arch	USDA - US Department of Agriculture	\$262,452.00
02370701	Randall, David A	Atmospheric Science	NASA - Natl Aeronautics & Space Admin.	\$171,887.00
02391001	Schwartz, Howard F	Bioagricultural Sci & Pest Mgmt	USDA - US Department of Agriculture	\$146,611.00
02384001	Wallner, Stephen J	Horticulture & Landscape Arch	Colorado Department of Agriculture	\$1,500,000.00
02386501	Wohl, Ellen E	Earth Resources	NSF - National Science Foundation	\$146,895.00
02367001	Yang, Raymond S H	Environmental Health	HHS-NIH-National Institutes of Health	\$675,337.00
02369301	Zalesky, Douglas D	Animal Sciences	USDA - US Department of Agriculture	\$71,287.00

\*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 October 1, 2001 - December 31, 2001\***

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**Agricultural Sciences**

*Agric & Resource Economics*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Soil & Crop Sciences	USDA - US Department of Agriculture	Establishing Dialogue Between Alternative Agriculture Producers & the Land-Grant University in Colorado	10/1/02 - 9/30/04	02369401 \$60,000
<i>Investigators/Collaborators:</i>				
Davis, Jessica G	Primary PI	Soil & Crop Sciences		
Card, Adrian .	Co-PI	Horticulture & Landscape Arch		
Hine, Susan E	Co-PI	Agric & Resource Economics		
Lamm, W Dennis	Co-PI	Animal Sciences		
Thilmany, Dawn D	Co-PI	Agric & Resource Economics		

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*Animal Sciences*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Animal Sciences	USDA - US Department of Agriculture	Nutritional/Reproductive Implications of Feeding Cull Onions ( <i>Allium cepa</i> ) to White-faced Sheep	9/26/01 - 5/15/02	02368601 \$51,797
<i>Investigators/Collaborators:</i>				
Irlbeck, Nancy A	Primary PI	Animal Sciences		
Animal Sciences	AMIF - American Meat Institute Foundatio	Investigation of Potential On-Farm Management Practices as Beef Microbiological Interventions	2/1/02 - 5/1/03	02382001 \$197,976
<i>Investigators/Collaborators:</i>				
Belk, Keith	Primary PI	Animal Sciences		
Grandin, Temple	Co-PI	Animal Sciences		
Ransom, Justin R	Co-PI	Animal Sciences		
Scanga, John A	Co-PI	Animal Sciences		
Sofos, John N	Co-PI	Animal Sciences		

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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 October 1, 2001 - December 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>
Soil & Crop Sciences	USDA - US Department of Agriculture	Establishing Dialogue Between Alternative Agriculture Producers & the Land-Grant University in Colorado	10/1/02 - 9/30/04	02369401 \$60,000
<i>Investigators/Collaborators:</i>				
Davis, Jessica G	Primary PI	Soil & Crop Sciences		
Card, Adrian .	Co-PI	Horticulture & Landscape Arch		
Hine, Susan E	Co-PI	Agric & Resource Economics		
Lamm, W Dennis	Co-PI	Animal Sciences		
Thilmany, Dawn D	Co-PI	Agric & Resource Economics		

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**Bioagriculturl Sci & Pest Mgmt**

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Bioagriculturl Sci & Pest Mgmt	USDA-CSREES-Coop State Rsrch Edu & Ext	Defining Genetic Variability of Yellow Toadflax As A First Step to Develop A Successful Biocontrol Program	4/1/02 - 3/31/05	02385801 \$117,249
<i>Investigators/Collaborators:</i>				
Beck, K George	Primary PI	Bioagriculturl Sci & Pest Mgmt		
Ward, Sarah M	Co-PI	Soil & Crop Sciences		
Bioagriculturl Sci & Pest Mgmt	USDA-CSREES-Coop State Rsrch Edu & Ext	Integrating Control Strategies for Grape Powdery Mildew	7/1/02 - 6/30/04	02385901 \$38,660
<i>Investigators/Collaborators:</i>				
Norton, Andrew P	Primary PI	Bioagriculturl Sci & Pest Mgmt		
Caspari, Horst W	Collaborator	Horticulture & Landscape Arch		
Larsen, Harold J	Collaborator	Western Colorado Research Ctr		
Bioagriculturl Sci & Pest Mgmt	USDA - US Department of Agriculture	Effects of Cultural Practices & Cropping System on Xanthomas	7/1/02 - 6/30/05	02391001 \$146,611
<i>Investigators/Collaborators:</i>				
Schwartz, Howard F	Primary PI	Bioagriculturl Sci & Pest Mgmt		
Bartolo, Michael E	Collaborator	Arkansas Valley Research Ctr		
Franc, Gary D	Collaborator	Bioagriculturl Sci & Pest Mgmt		
Ishimaru, Carol A	Collaborator	Bioagriculturl Sci & Pest Mgmt		

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**Inter-departmental Proposals Submitted October 1, 2001 - December 31, 2001\***

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**Agricultural Sciences**

***Horticulture & Landscape Arch***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Bioagricultural Sci & Pest Mgmt	USDA-CSREES-Coop State Rsrch Edu & Ext	Integrating Control Strategies for Grape Powdery Mildew	7/1/02 - 6/30/04	02385901 \$38,660
<b><i>Investigators/Collaborators:</i></b>				
Norton, Andrew P	Primary PI	Bioagricultural Sci & Pest Mgmt		
Caspari, Horst W	Collaborator	Horticulture & Landscape Arch		
Larsen, Harold J	Collaborator	Western Colorado Research Ctr		
Horticulture & Landscape Arch	USDA - US Department of Agriculture	Amending Disturbed Urban Soil with Composted Manure to Reduce Turf Water Requirements & Protect Water Quality	5/1/02 - 5/1/05	02380701 \$262,452
<b><i>Investigators/Collaborators:</i></b>				
Qian, Yaling	Primary PI	Horticulture & Landscape Arch		
Cardon, Grant E	Co-PI	Soil & Crop Sciences		
Davis, Jessica G	Co-PI	Soil & Crop Sciences		
Koski, Anthony J	Co-PI	Horticulture & Landscape Arch		
Horticulture & Landscape Arch	Colorado Department of Agriculture	Colorado Specialty Crops Program	1/1/02 - 12/31/06	02384001 \$1,500,000
<b><i>Investigators/Collaborators:</i></b>				
Wallner, Stephen J	Primary PI	Horticulture & Landscape Arch		
Rewerts, Milan A	Collaborator	Cooperative Extension		
Sommers, Lee E	Collaborator	Agric Experiment Station		
Soil & Crop Sciences	USDA - US Department of Agriculture	Establishing Dialogue Between Alternative Agriculture Producers & the Land-Grant University in Colorado	10/1/02 - 9/30/04	02369401 \$60,000
<b><i>Investigators/Collaborators:</i></b>				
Davis, Jessica G	Primary PI	Soil & Crop Sciences		
Card, Adrian	Co-PI	Horticulture & Landscape Arch		
Hine, Susan E	Co-PI	Agric & Resource Economics		
Lamm, W Dennis	Co-PI	Animal Sciences		
Thilmany, Dawn D	Co-PI	Agric & Resource Economics		

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**Inter-departmental Proposals Submitted October 1, 2001 - December 31, 2001\***

**Agricultural Sciences**

***Horticulture & Landscape Arch***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Soil & Crop Sciences	EPA - Environmental Protection Agency	Transporting Composted Manure from Feedlots to Urban Turfgrass to Improve Water Quality	5/1/02 - 4/30/04	02386801 \$99,918
<b><i>Investigators/Collaborators:</i></b>				
Davis, Jessica G	Primary PI	Soil & Crop Sciences		
Qian, Yaling	Co-PI	Horticulture & Landscape Arch		

***Soil & Crop Sciences***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Bioagricultural Sci & Pest Mgmt	USDA-CSREES-Coop State Rsrch Edu & Ext	Defining Genetic Variability of Yellow Toadflax As A First Step to Develop A Successful Biocontrol Program	4/1/02 - 3/31/05	02385801 \$117,249
<b><i>Investigators/Collaborators:</i></b>				
Beck, K George	Primary PI	Bioagricultural Sci & Pest Mgmt		
Ward, Sarah M	Co-PI	Soil & Crop Sciences		
Horticulture & Landscape Arch	USDA - US Department of Agriculture	Amending Disturbed Urban Soil with Composted Manure to Reduce Turf Water Requirements & Protect Water Quality	5/1/02 - 5/1/05	02380701 \$262,452
<b><i>Investigators/Collaborators:</i></b>				
Qian, Yaling	Primary PI	Horticulture & Landscape Arch		
Cardon, Grant E	Co-PI	Soil & Crop Sciences		
Davis, Jessica G	Co-PI	Soil & Crop Sciences		
Koski, Anthony J	Co-PI	Horticulture & Landscape Arch		
Soil & Crop Sciences	USDA - US Department of Agriculture	Establishing Dialogue Between Alternative Agriculture Producers & the Land-Grant University in Colorado	10/1/02 - 9/30/04	02369401 \$60,000
<b><i>Investigators/Collaborators:</i></b>				
Davis, Jessica G	Primary PI	Soil & Crop Sciences		
Card, Adrian	Co-PI	Horticulture & Landscape Arch		
Hine, Susan E	Co-PI	Agric & Resource Economics		
Lamm, W Dennis	Co-PI	Animal Sciences		
Thilmany, Dawn D	Co-PI	Agric & Resource Economics		

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**Inter-departmental Proposals Submitted October 1, 2001 - December 31, 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>Key #</u> <u>\$Amount</u>
Soil & Crop Sciences	EPA - Environmental Protection Agency	Transporting Composted Manure from Feedlots to Urban Turfgrass to Improve Water Quality	5/1/02 - 4/30/04	02386801 \$99,918
<i>Investigators/Collaborators:</i>				
Davis, Jessica G	Primary PI	Soil & Crop Sciences		
Qian, Yaling	Co-PI	Horticulture & Landscape Arch		

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**Applied Human Sciences**

*Dean Of Applied Human Sciences*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Psychology	AFSP-Amer Foundtn for Suicide Prevention	Beliefs & Attitudes about Gender & Suicide among European American & Hispanic Older Adults	7/1/02 - 6/30/04	02390201 \$99,989
<i>Investigators/Collaborators:</i>				
Canetto, Silvia Sara	Primary PI	Psychology		
Asmus, Cheryl L	Co-PI	Dean Of Applied Human Sciences		

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**Social Work**

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Social Work	DOJ-OJP-OVC-Office of Victims of Crime	Examining Prosecution in Child Sexual Abuse in Indian Country: A Case Study	1/1/02 - 9/30/02	02368101 \$74,971
<i>Investigators/Collaborators:</i>				
Bubar, Roe	Primary PI	Social Work		
Vernon, Irene	Co-PI	English		
Schatz, Mona Struhsaker	Collaborator	Social Work		
Shears, Jeffrey	Collaborator	Ctr Applied Stu Amer Ethnicity		
Valdez, Norberto	Collaborator	Anthropology		

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**Inter-departmental Proposals Submitted October 1, 2001 - December 31, 2001\***

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**Business**

***Management***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Psychology	NSF - National Science Foundation	Ownership of Small Technology Businesses: Comparisons of Female & Male Majority & Minority Routes to Ownership	7/31/02 - 8/31/05	02375901 \$873,299
<i>Investigators/Collaborators:</i>				
James,Keith	Primary PI	Psychology		
Sarason,Yolanda	Co-PI	Management		

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***Marketing***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Marketing	University of Colorado	Preventing Tobacco Use in Rural Towns: Community-Based Media	7/1/02 - 6/30/05	02392201 \$732,473
<i>Investigators/Collaborators:</i>				
Kelly,Kathleen J	Primary PI	Marketing		
Edwards,Ruth W	Co-PI	Psychology		

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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	NASA - Natl Aeronautics & Space Admin.	Comparison of Cloud Resolving Model Simulations to Remote Sensing Data	12/1/01 - 11/30/03	02370701 \$171,887
<i>Investigators/Collaborators:</i>				
Randall,David A	Primary PI	Atmospheric Science		
Eitzen,Zachary A	Collaborator	Atmospheric Science		

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**Inter-departmental Proposals Submitted October 1, 2001 - December 31, 2001\***

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**Engineering**

***Chemical & Biores Engineering***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Chemical & Biores Engineering	USDA - US Department of Agriculture	Determining the Fate & Metabolism of Agricultural Antibiotics & the Potential for Managed Vegetative Disposal of . . .	9/1/02 - 8/31/05	02381101 \$234,500
<i>Investigators/Collaborators:</i>				
Bhadra,Rajiv	Primary PI	Chemical & Biores Engineering		
Ramsdell,Howard S	Collaborator	Environmental Health		
Chemical & Biores Engineering	NSF - National Science Foundation	A Nano-Waveguide System for Detection of Multianalytes through Binding to Nanoarrays	5/1/02 - 4/30/06	02391601 \$1,965,399
<i>Investigators/Collaborators:</i>				
Dandy,David S	Primary PI	Chemical & Biores Engineering		
Grainger,David W	Co-PI	Chemistry		
Lear,Kevin	Co-PI	Elec. & Computer Engineering		
Reardon,Kenneth F	Co-PI	Chemical & Biores Engineering		
Van Orden,Alan K	Co-PI	Chemistry		
Wilmsen,Carl W	Collaborator	Elec. & Computer Engineering		
Chemistry	NSF - National Science Foundation	CRC: Towards the Rational Design & Control of Plasma Generated Materials for Biocompatible Coatings	7/1/02 - 6/30/05	02390801 \$1,161,781
<i>Investigators/Collaborators:</i>				
Fisher,Ellen R	Primary PI	Chemistry		
Dandy,David S	Co-PI	Chemical & Biores Engineering		
Grainger,David W	Co-PI	Chemistry		
Microbiology	USDA - US Department of Agriculture	Phytase for Animal Feed Supplementation	10/1/02 - 9/30/05	02391301 \$487,776
<i>Investigators/Collaborators:</i>				
Linden,James C	Primary PI	Microbiology		
Henk,Linda L	Co-PI	Chemical & Biores Engineering		
Tengerdy, Robert	Co-PI	Microbiology		

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**Inter-departmental Proposals Submitted October 1, 2001 - December 31, 2001\***

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**Engineering**

**CIRA**

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Natural Resource Ecology Lab	NSF - National Science Foundation	Computer Science & Analytical Advancements for Earth System Analysis	6/1/02 - 5/31/06	02380001 \$4,989,892

**Investigators/Collaborators:**

Ojima,Dennis	Primary PI	Natural Resource Ecology Lab
Bieman,James M	Co-PI	Computer Science
Mckeown,Rebecca	Co-PI	Natural Resource Ecology Lab
Vukicevic,Tomislava	Co-PI	CIRA

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**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 - US Department of Agriculture	Management of River Ecosystems for Diverse Water Users	1/1/02 - 12/31/04	02380501 \$426,294

**Investigators/Collaborators:**

Oad,Ramchand	Primary PI	Civil Engineering
Julien,Pierre Y	Co-PI	Civil Engineering
Myrick,Christopher A	Co-PI	Fish & Wildlife Biology

Civil Engineering	NSF - National Science Foundation	Modeling Nanotubular Deformation Properties: Molecules to Materials across the Periodic Table	7/1/02 - 6/30/05	02392701 \$960,119
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**Investigators/Collaborators:**

Heyliger,Paul R	Primary PI	Civil Engineering
Leisure,Robert G	Co-PI	Physics
Parkinson,Bruce Alan	Co-PI	Chemistry
Rappe,Anthony K	Co-PI	Chemistry

Earth Resources	NSF - National Science Foundation	A Simulation Model Using Local Controls for Self-adjusting Mountain-River Pools	6/1/02 - 7/1/04	02386501 \$146,895
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**Investigators/Collaborators:**

Wohl,Ellen E	Primary PI	Earth Resources
Ramirez,Jorge A	Co-PI	Civil Engineering

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**Inter-departmental Proposals Submitted October 1, 2001 - December 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>
Chemical & Biores Engineering	NSF - National Science Foundation	A Nano-Waveguide System for Detection of Multianalytes through Binding to Nanoarrays	5/1/02 - 4/30/06	02391601 \$1,965,399
<b><i>Investigators/Collaborators:</i></b>				
Dandy,David S	Primary PI	Chemical & Biores Engineering		
Grainger,David W	Co-PI	Chemistry		
Lear,Kevin	Co-PI	Elec. & Computer Engineering		
Reardon,Kenneth F	Co-PI	Chemical & Biores Engineering		
Van Orden,Alan K	Co-PI	Chemistry		
Wilmsen,Carl W	Collaborator	Elec. & Computer Engineering		
Elec. & Computer Engineering	NSF - National Science Foundation	Clustering & Binning of Submicron IC's Using Analog Attributes	4/1/02 - 3/31/05	02375801 \$361,473
<b><i>Investigators/Collaborators:</i></b>				
Jayasumana,M A Anura	Primary PI	Elec. & Computer Engineering		
Malaiya,Yashwant K	Co-PI	Computer Science		
Elec. & Computer Engineering	CCHE-Commission on Higher Education	Development of Acoustic Filters for Management of Binaural Asynchronies in Children & Adults	1/1/02 - 1/1/03	02378401 \$59,757
<b><i>Investigators/Collaborators:</i></b>				
Burleigh,Joan M	Primary PI	Elec. & Computer Engineering		
James,Susan P	Co-PI	Mechanical Engineering		
Elec. & Computer Engineering	NSF - National Science Foundation	Epitaxial Growth & Optoelectronic Properties of Higher Manganese Silicide Thin Films	5/1/02 - 4/30/05	02382601 \$621,224
<b><i>Investigators/Collaborators:</i></b>				
Mahan,John E	Primary PI	Elec. & Computer Engineering		
Parkinson,Bruce Alan	Co-PI	Chemistry		

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**Inter-departmental Proposals Submitted October 1, 2001 - December 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>
Elec. & Computer Engineering	CCHE-Commission on Higher Education	Development of Acoustic Filters for Management of Binaural Asynchronies in Children & Adults	1/1/02 - 1/1/03	02378401 \$59,757
<i>Investigators/Collaborators:</i>				
Burleigh,Joan M	Primary PI	Elec. & Computer Engineering		
James,Susan P	Co-PI	Mechanical Engineering		
Mechanical Engineering	NASA - Natl Aeronautics & Space Admin.	Bio-Engineering, Science & Technology (BEST) Institute	4/28/02 - 4/27/07	02366101 \$14,999,998
<i>Investigators/Collaborators:</i>				
James,Susan P	Primary PI	Mechanical Engineering		
Bateman,Ted A	Co-PI	Mechanical Engineering		

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**Liberal Arts**

***Anthropology***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Social Work	DOJ-OJP-OVC-Office of Victims of Crime	Examining Prosecution in Child Sexual Abuse in Indian Country: A Case Study	1/1/02 - 9/30/02	02368101 \$74,971
<i>Investigators/Collaborators:</i>				
Bubar,Roe	Primary PI	Social Work		
Vernon,Irene	Co-PI	English		
Schatz,Mona Struhsaker	Collaborator	Social Work		
Shears,Jeffrey	Collaborator	Ctr Applied Stu Amer Ethnicity		
Valdez,Norberto	Collaborator	Anthropology		

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**Inter-departmental Proposals Submitted October 1, 2001 - December 31, 2001\***

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**Liberal Arts**

*Ctr Applied Stu Amer Ethnicity*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Social Work	DOJ-OJP-OVC-Office of Victims of Crime	Examining Prosecution in Child Sexual Abuse in Indian Country: A Case Study	1/1/02 - 9/30/02	02368101 \$74,971
<i>Investigators/Collaborators:</i>				
Bubar,Roe	Primary PI	Social Work		
Vernon,Irene	Co-PI	English		
Schatz,Mona Struhsaker	Collaborator	Social Work		
Shears,Jeffrey	Collaborator	Ctr Applied Stu Amer Ethnicity		
Valdez,Norberto	Collaborator	Anthropology		

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**English**

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Social Work	DOJ-OJP-OVC-Office of Victims of Crime	Examining Prosecution in Child Sexual Abuse in Indian Country: A Case Study	1/1/02 - 9/30/02	02368101 \$74,971
<i>Investigators/Collaborators:</i>				
Bubar,Roe	Primary PI	Social Work		
Vernon,Irene	Co-PI	English		
Schatz,Mona Struhsaker	Collaborator	Social Work		
Shears,Jeffrey	Collaborator	Ctr Applied Stu Amer Ethnicity		
Valdez,Norberto	Collaborator	Anthropology		

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**Natural Resources**

*Earth Resources*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Earth Resources	NSF - National Science Foundation	A Simulation Model Using Local Controls for Self-adjusting Mountain-River Pools	6/1/02 - 7/1/04	02386501 \$146,895
<i>Investigators/Collaborators:</i>				
Wohl,Ellen E	Primary PI	Earth Resources		
Ramirez,Jorge A	Co-PI	Civil Engineering		

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**Inter-departmental Proposals Submitted October 1, 2001 - December 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>
Civil Engineering	USDA - US Department of Agriculture	Management of River Ecosystems for Diverse Water Users	1/1/02 - 12/31/04	02380501 \$426,294
<i>Investigators/Collaborators:</i>				
Oad,Ramchand	Primary PI	Civil Engineering		
Julien,Pierre Y	Co-PI	Civil Engineering		
Myrick,Christopher A	Co-PI	Fish & Wildlife Biology		
Natural Resource Ecology Lab	EPA - Environmental Protection Agency	Vulnerability of South Platte River Basin Aquatic Ecosystems & Water Quality to Severe Sustained Drought	4/1/02 - 3/31/04	02369001 \$69,984
<i>Investigators/Collaborators:</i>				
Baron,Jill	Primary PI	Natural Resource Ecology Lab		
Covich,Alan P	Co-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>
Natural Resource Ecology Lab	EPA - Environmental Protection Agency	Vulnerability of South Platte River Basin Aquatic Ecosystems & Water Quality to Severe Sustained Drought	4/1/02 - 3/31/04	02369001 \$69,984
<i>Investigators/Collaborators:</i>				
Baron,Jill	Primary PI	Natural Resource Ecology Lab		
Covich,Alan P	Co-PI	Fish & Wildlife Biology		
Natural Resource Ecology Lab	NSF - National Science Foundation	Computer Science & Analytical Advancements for Earth System Analysis	6/1/02 - 5/31/06	02380001 \$4,989,892
<i>Investigators/Collaborators:</i>				
Ojima,Dennis	Primary PI	Natural Resource Ecology Lab		
Bieman,James M	Co-PI	Computer Science		
Mckeown,Rebecca	Co-PI	Natural Resource Ecology Lab		
Vukicevic,Tomislava	Co-PI	CIRA		

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**Inter-departmental Proposals Submitted October 1, 2001 - December 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>
Chemical & Biores Engineering	NSF - National Science Foundation	A Nano-Waveguide System for Detection of Multianalytes through Binding to Nanoarrays	5/1/02 - 4/30/06	02391601 \$1,965,399
<b><i>Investigators/Collaborators:</i></b>				
Dandy,David S	Primary PI	Chemical & Biores Engineering		
Grainger,David W	Co-PI	Chemistry		
Lear,Kevin	Co-PI	Elec. & Computer Engineering		
Reardon,Kenneth F	Co-PI	Chemical & Biores Engineering		
Van Orden,Alan K	Co-PI	Chemistry		
Wilmsen,Carl W	Collaborator	Elec. & Computer Engineering		
Chemistry	NSF - National Science Foundation	CRC: Towards the Rational Design & Control of Plasma Generated Materials for Biocompatible Coatings	7/1/02 - 6/30/05	02390801 \$1,161,781
<b><i>Investigators/Collaborators:</i></b>				
Fisher,Ellen R	Primary PI	Chemistry		
Dandy,David S	Co-PI	Chemical & Biores Engineering		
Grainger,David W	Co-PI	Chemistry		
Civil Engineering	NSF - National Science Foundation	Modeling Nanotubular Deformation Properties: Molecules to Materials across the Periodic Table	7/1/02 - 6/30/05	02392701 \$960,119
<b><i>Investigators/Collaborators:</i></b>				
Heyliger,Paul R	Primary PI	Civil Engineering		
Leisure,Robert G	Co-PI	Physics		
Parkinson,Bruce Alan	Co-PI	Chemistry		
Rappe,Anthony K	Co-PI	Chemistry		
Elec. & Computer Engineering	NSF - National Science Foundation	Epitaxial Growth & Optoelectronic Properties of Higher Manganese Silicide Thin Films	5/1/02 - 4/30/05	02382601 \$621,224
<b><i>Investigators/Collaborators:</i></b>				
Mahan,John E	Primary PI	Elec. & Computer Engineering		
Parkinson,Bruce Alan	Co-PI	Chemistry		

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**Inter-departmental Proposals Submitted October 1, 2001 - December 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>
Computer Science	NSF - National Science Foundation	Geometric Pattern Analysis & Mental Task Design for a Brain-Computer Interface	6/15/02 - 6/15/06	02388001 \$721,125
<b><i>Investigators/Collaborators:</i></b>				
Anderson,Charles	Primary PI	Computer Science		
Kirby,Michael J	Co-PI	Mathematics		
Elec. & Computer Engineering	NSF - National Science Foundation	Clustering & Binning of Submicron IC's Using Analog Attributes	4/1/02 - 3/31/05	02375801 \$361,473
<b><i>Investigators/Collaborators:</i></b>				
Jayasumana,M A Anura	Primary PI	Elec. & Computer Engineering		
Malaiya,Yashwant K	Co-PI	Computer Science		
Environmental Health	HHS-NIH-National Institutes of Health	Computer Modeling: Biology of Combination Chemotherapies	7/1/02 - 6/30/05	02367001 \$675,337
<b><i>Investigators/Collaborators:</i></b>				
Yang,Raymond S H	Primary PI	Environmental Health		
Andersen,Melvin E	Co-PI	Environmental Health		
Belisle,John T	Co-PI	Microbiology		
Campain,Julie A	Co-PI	Environmental Health		
Reisfeld,Bradley	Co-PI	Environmental Health		
Whitley,L Darrell	Co-PI	Computer Science		
Natural Resource Ecology Lab	NSF - National Science Foundation	Computer Science & Analytical Advancements for Earth System Analysis	6/1/02 - 5/31/06	02380001 \$4,989,892
<b><i>Investigators/Collaborators:</i></b>				
Ojima,Dennis	Primary PI	Natural Resource Ecology Lab		
Bieman,James M	Co-PI	Computer Science		
Mckeown,Rebecca	Co-PI	Natural Resource Ecology Lab		
Vukicevic,Tomislava	Co-PI	CIRA		

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**Inter-departmental Proposals Submitted October 1, 2001 - December 31, 2001\***

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**Natural Sciences**

***Mathematics***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Computer Science	NSF - National Science Foundation	Geometric Pattern Analysis & Mental Task Design for a Brain-Computer Interface	6/15/02 - 6/15/06	02388001 \$721,125

***Investigators/Collaborators:***

Anderson, Charles	Primary PI	Computer Science
Kirby, Michael J	Co-PI	Mathematics

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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	Modeling Nanotubular Deformation Properties: Molecules to Materials across the Periodic Table	7/1/02 - 6/30/05	02392701 \$960,119

***Investigators/Collaborators:***

Heyliger, Paul R	Primary PI	Civil Engineering
Leisure, Robert G	Co-PI	Physics
Parkinson, Bruce Alan	Co-PI	Chemistry
Rappe, Anthony K	Co-PI	Chemistry

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***Psychology***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Marketing	University of Colorado	Preventing Tobacco Use in Rural Towns: Community-Based Media	7/1/02 - 6/30/05	02392201 \$732,473

***Investigators/Collaborators:***

Kelly, Kathleen J	Primary PI	Marketing
Edwards, Ruth W	Co-PI	Psychology

Psychology	NSF - National Science Foundation	Ownership of Small Technology Businesses: Comparisons of Female & Male Majority & Minority Routes to Ownership	7/31/02 - 8/31/05	02375901 \$873,299
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***Investigators/Collaborators:***

James, Keith	Primary PI	Psychology
Sarason, Yolanda	Co-PI	Management

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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 October 1, 2001 - December 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>
Psychology	AFSP-Amer Foundtn for Suicide Prevention	Beliefs & Attitudes about Gender & Suicide among European American & Hispanic Older Adults	7/1/02 - 6/30/04	02390201 \$99,989
<b><i>Investigators/Collaborators:</i></b>				
Canetto,Silvia Sara	Primary PI	Psychology		
Asmus,Cheryl L	Co-PI	Dean Of Applied Human Sciences		

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**Other**

***Agric Experiment Station***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Horticulture & Landscape Arch	Colorado Department of Agriculture	Colorado Specialty Crops Program	1/1/02 - 12/31/06	02384001 \$1,500,000
<b><i>Investigators/Collaborators:</i></b>				
Wallner,Stephen J	Primary PI	Horticulture & Landscape Arch		
Rewerts,Milan A	Collaborator	Cooperative Extension		
Sommers,Lee E	Collaborator	Agric Experiment Station		

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***Arkansas Valley Research Ctr***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Bioagriculturl Sci & Pest Mgmt	USDA - US Department of Agriculture	Effects of Cultural Practices & Cropping System on Xanthomas	7/1/02 - 6/30/05	02391001 \$146,611
<b><i>Investigators/Collaborators:</i></b>				
Schwartz,Howard F	Primary PI	Bioagriculturl Sci & Pest Mgmt		
Bartolo,Michael E	Collaborator	Arkansas Valley Research Ctr		
Franc,Gary D	Collaborator	Bioagriculturl Sci & Pest Mgmt		
Ishimaru,Carol A	Collaborator	Bioagriculturl Sci & Pest Mgmt		

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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 October 1, 2001 - December 31, 2001\***

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**Other**

***Colorado State Forest Svc-Csu***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Animal Sciences	USDA - US Department of Agriculture	Creation of a Sustainable, Diversified Small Acreage Production Research & Demonstration Area	10/1/02 - 10/1/05	02369301 \$71,287
<b><i>Investigators/Collaborators:</i></b>				
Zalesky,Douglas D	Primary PI	San Juan Basin Research Center		
Mallow,Kevin L	Co-PI	Cooperative Extension		
Grant,D Kent	Collaborator	Colorado State Forest Svc-Csu		
Lashell,Beth A.S	Collaborator	San Juan Basin Research Center		
Vlaming,Gregory L	Collaborator	Cooperative Extension		

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***Cooperative Extension***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Animal Sciences	USDA - US Department of Agriculture	Creation of a Sustainable, Diversified Small Acreage Production Research & Demonstration Area	10/1/02 - 10/1/05	02369301 \$71,287
<b><i>Investigators/Collaborators:</i></b>				
Zalesky,Douglas D	Primary PI	San Juan Basin Research Center		
Mallow,Kevin L	Co-PI	Cooperative Extension		
Grant,D Kent	Collaborator	Colorado State Forest Svc-Csu		
Lashell,Beth A.S	Collaborator	San Juan Basin Research Center		
Vlaming,Gregory L	Collaborator	Cooperative Extension		

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Bioagricultur l Sci & Pest Mgmt	USDA-CSREES-Coop State Rsrch Edu & Ext	Extending Irrigated Alfalfa Stand Life by Alteration of Late-Season Harvest Schedules	10/1/02 - 9/30/05	02364201 \$64,223
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***Investigators/Collaborators:***

Hammon,Robert W	Primary PI	Western Colorado Research Ctr		
Cooley,Aubrey Wayne	Collaborator	Cooperative Extension		
Hooten,Thomas M	Collaborator	Southwestern Colorado Res Ctr		
Larsen,Harold J	Collaborator	Western Colorado Research Ctr		
Sharp,Rodney L	Collaborator	Cooperative Extension		
Smith,Kenneth W	Collaborator	Cooperative Extension		
Stack,Mark W	Collaborator	Southwestern Colorado Res Ctr		

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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 October 1, 2001 - December 31, 2001\***

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**Other**

***Cooperative Extension***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Horticulture & Landscape Arch	Colorado Department of Agriculture	Colorado Specialty Crops Program	1/1/02 - 12/31/06	02384001 \$1,500,000

***Investigators/Collaborators:***

Wallner, Stephen J	Primary PI	Horticulture & Landscape Arch
Rewerts, Milan A	Collaborator	Cooperative Extension
Sommers, Lee E	Collaborator	Agric Experiment Station

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***San Juan Basin Research Center***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Animal Sciences	USDA - US Department of Agriculture	Creation of a Sustainable, Diversified Small Acreage Production Research & Demonstration Area	10/1/02 - 10/1/05	02369301 \$71,287

***Investigators/Collaborators:***

Zalesky, Douglas D	Primary PI	San Juan Basin Research Center
Mallow, Kevin L	Co-PI	Cooperative Extension
Grant, D Kent	Collaborator	Colorado State Forest Svc-Csu
Lashell, Beth A.S	Collaborator	San Juan Basin Research Center
Vlaming, Gregory L	Collaborator	Cooperative Extension

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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 October 1, 2001 - December 31, 2001\***

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**Other**

***Southwestern Colorado Res Ctr***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Bioagricultural Sci & Pest Mgmt	USDA-CSREES-Coop State Rsrch Edu & Ext	Extending Irrigated Alfalfa Stand Life by Alteration of Late-Season Harvest Schedules	10/1/02 - 9/30/05	02364201 \$64,223

***Investigators/Collaborators:***

Hammon,Robert W	Primary PI	Western Colorado Research Ctr
Cooley,Aubrey Wayne	Collaborator	Cooperative Extension
Hooten,Thomas M	Collaborator	Southwestern Colorado Res Ctr
Larsen,Harold J	Collaborator	Western Colorado Research Ctr
Sharp,Rodney L	Collaborator	Cooperative Extension
Smith,Kenneth W	Collaborator	Cooperative Extension
Stack,Mark W	Collaborator	Southwestern Colorado Res Ctr

***Western Colorado Research Ctr***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Bioagricultural Sci & Pest Mgmt	USDA-CSREES-Coop State Rsrch Edu & Ext	Extending Irrigated Alfalfa Stand Life by Alteration of Late-Season Harvest Schedules	10/1/02 - 9/30/05	02364201 \$64,223

***Investigators/Collaborators:***

Hammon,Robert W	Primary PI	Western Colorado Research Ctr
Cooley,Aubrey Wayne	Collaborator	Cooperative Extension
Hooten,Thomas M	Collaborator	Southwestern Colorado Res Ctr
Larsen,Harold J	Collaborator	Western Colorado Research Ctr
Sharp,Rodney L	Collaborator	Cooperative Extension
Smith,Kenneth W	Collaborator	Cooperative Extension
Stack,Mark W	Collaborator	Southwestern Colorado Res Ctr

Bioagricultural Sci & Pest Mgmt	USDA-CSREES-Coop State Rsrch Edu & Ext	Integrating Control Strategies for Grape Powdery Mildew	7/1/02 - 6/30/04	02385901 \$38,660
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***Investigators/Collaborators:***

Norton,Andrew P	Primary PI	Bioagricultural Sci & Pest Mgmt
Caspari,Horst W	Collaborator	Horticulture & Landscape Arch
Larsen,Harold J	Collaborator	Western Colorado Research Ctr

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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 October 1, 2001 - December 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>
Chemical & Biores Engineering	USDA - US Department of Agriculture	Determining the Fate & Metabolism of Agricultural Antibiotics & the Potential for Managed Vegetative Disposal of . . .	9/1/02 - 8/31/05	02381101 \$234,500
<b><i>Investigators/Collaborators:</i></b>				
Bhadra,Rajiv	Primary PI	Chemical & Biores Engineering		
Ramsdell,Howard S	Collaborator	Environmental Health		
Environmental Health	HHS-NIH-National Institutes of Health	Computer Modeling: Biology of Combination Chemotherapies	7/1/02 - 6/30/05	02367001 \$675,337
<b><i>Investigators/Collaborators:</i></b>				
Yang,Raymond S H	Primary PI	Environmental Health		
Andersen,Melvin E	Co-PI	Environmental Health		
Belisle,John T	Co-PI	Microbiology		
Campain,Julie A	Co-PI	Environmental Health		
Reisfeld,Bradley	Co-PI	Environmental Health		
Whitley,L Darrell	Co-PI	Computer Science		

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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>
Environmental Health	HHS-NIH-National Institutes of Health	Computer Modeling: Biology of Combination Chemotherapies	7/1/02 - 6/30/05	02367001 \$675,337
<b><i>Investigators/Collaborators:</i></b>				
Yang,Raymond S H	Primary PI	Environmental Health		
Andersen,Melvin E	Co-PI	Environmental Health		
Belisle,John T	Co-PI	Microbiology		
Campain,Julie A	Co-PI	Environmental Health		
Reisfeld,Bradley	Co-PI	Environmental Health		
Whitley,L Darrell	Co-PI	Computer Science		

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**Inter-departmental Proposals Submitted October 1, 2001 - December 31, 2001\***

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**Vet. Medicine & Biomedical Sciences**

***Microbiology***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Key #</u> <u>\$Amount</u>
Microbiology	USDA - US Department of Agriculture	Phytase for Animal Feed Supplementation	10/1/02 - 9/30/05	02391301 \$487,776

***Investigators/Collaborators:***

Linden, James C	Primary PI	Microbiology
Henk, Linda L	Co-PI	Chemical & Biores Engineering
Tengerdy, Robert	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 October 1, 2001 - December 31, 2001\*

*Sorted by Primary PI*

<b>Project Number</b>	<b>Primary PI</b>	<b>Administering Department</b>	<b>Sponsor</b>	<b>Total</b>
7634	Buchan,Roy M	Environmental Health	HHS-CDC-Centers for Disease Control	\$116,422.00
2069	Hufbauer,Ruth A	Bioagricultural Sci & Pest Mgmt	USDA-ARS-Agricultural Research Service	\$66,000.00
8782	Jacobi,William R	Bioagricultural Sci & Pest Mgmt	USDA - US Department of Agriculture	\$78,000.00
5055	Loftis,Jim C	Civil Engineering	Various "Non-Profit" Sponsors	\$12,000.00
7622	Morley,Paul S	Environmental Health	HHS-FDA-Food & Drug Administration	\$196,518.00
7636	Reisfeld,Bradley	Environmental Health	HHS-NIH-National Institutes of Health	\$127,825.00
1461	Robb,James G	Cooperative Extension	USDA-CSRS-SRG-Special Research Grants	\$172,779.00
5152	Wilkins-Wells,John Reese	Civil Engineering	Soldier Canyon Filter Plant	\$5,000.00
2206	Wohl,Ellen E	Earth Resources	University of Wyoming	\$68,425.00

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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 October 1, 2001 - December 31, 2001\***

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**Agricultural Sciences**

***Bioagricultural Sci & Pest Mgmt***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Bioagricultural Sci & Pest Mgmt	USDA-ARS-Agricultural Research Service	Genetic Character of Knapweeds in Eurasia	10/1/01 - 7/30/03	2069 \$66,000

***Investigators/Collaborators:***

Hufbauer,Ruth A	Primary PI	Bioagricultural Sci & Pest Mgmt
Henk,Shanna C	Co-PI	Biology

Bioagricultural Sci & Pest Mgmt	USDA - US Department of Agriculture	Landscape Scale Hazard Rating for White Pine Blister Rust	9/25/01 - 9/30/04	8782 \$78,000
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***Investigators/Collaborators:***

Jacobi,William R	Primary PI	Bioagricultural Sci & Pest Mgmt
Cipra,Jan E	Collaborator	Soil & Crop Sciences
Reich,Robin M	Collaborator	Forest Sciences

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***Soil & Crop Sciences***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Bioagricultural Sci & Pest Mgmt	USDA - US Department of Agriculture	Landscape Scale Hazard Rating for White Pine Blister Rust	9/25/01 - 9/30/04	8782 \$78,000

***Investigators/Collaborators:***

Jacobi,William R	Primary PI	Bioagricultural Sci & Pest Mgmt
Cipra,Jan E	Collaborator	Soil & Crop Sciences
Reich,Robin M	Collaborator	Forest Sciences

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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 October 1, 2001 - December 31, 2001\***

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**Engineering**

*Chemical & Biores Engineering*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Environmental Health	HHS-NIH-National Institutes of Health	Biologically Based Reaction Network Modeling of P4502E1	8/1/01 - 7/31/06	7636 \$127,825

*Investigators/Collaborators:*

Reisfeld,Bradley	Primary PI	Environmental Health
Rearon,Kenneth F	Co-PI	Chemical & Biores Engineering
Yang,Raymond S H	Co-PI	Environmental Health

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*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	Various "Non-Profit" Sponsors	Eutrophication of Reservoirs on the Colorado Front Range	3/1/01 - 10/31/02	5055 \$12,000

*Investigators/Collaborators:*

Loftis,Jim C	Primary PI	Civil Engineering		
Civil Engineering	Soldier Canyon Filter Plant	Assessment of the Benefits & Costs of Pressurized Dual Water Systems	7/1/01 - 6/30/02	5152 \$5,000

*Investigators/Collaborators:*

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

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**Liberal Arts**

*Sociology*

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Civil Engineering	Soldier Canyon Filter Plant	Assessment of the Benefits & Costs of Pressurized Dual Water Systems	7/1/01 - 6/30/02	5152 \$5,000

*Investigators/Collaborators:*

Wilkins-Wells,John Rees	Primary PI	Sociology
Podmore,Terence H	Co-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 October 1, 2001 - December 31, 2001\***

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**Natural Resources**

***Earth Resources***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Earth Resources	University of Wyoming	Wetland, Aquatic & Riparian Protocols	7/20/01 - 5/31/02	2206 \$68,425

***Investigators/Collaborators:***

Wohl, Ellen E	Primary PI	Earth Resources
Cooper, David Jonathan	Co-PI	Earth Resources
Poff, N. Leroy	Co-PI	Biology

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***Forest Sciences***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Bioagricultural Sci & Pest Mgmt	USDA - US Department of Agriculture	Landscape Scale Hazard Rating for White Pine Blister Rust	9/25/01 - 9/30/04	8782 \$78,000

***Investigators/Collaborators:***

Jacobi, William R	Primary PI	Bioagricultural Sci & Pest Mgmt
Cipra, Jan E	Collaborator	Soil & Crop Sciences
Reich, Robin M	Collaborator	Forest Sciences

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**Natural Sciences**

***Biology***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Bioagricultural Sci & Pest Mgmt	USDA-ARS-Agricultural Research Service	Genetic Character of Knapweeds in Eurasia	10/1/01 - 7/30/03	2069 \$66,000

***Investigators/Collaborators:***

Hufbauer, Ruth A	Primary PI	Bioagricultural Sci & Pest Mgmt
Henk, Shanna C	Co-PI	Biology

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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 October 1, 2001 - December 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>Proj #</u> <u>\$Amount</u>
Earth Resources	University of Wyoming	Wetland, Aquatic & Riparian Protocols	7/20/01 - 5/31/02	2206 \$68,425

***Investigators/Collaborators:***

Wohl, Ellen E	Primary PI	Earth Resources
Cooper, David Jonathan	Co-PI	Earth Resources
Poff, N. Leroy	Co-PI	Biology

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**Other**

***Cooperative Extension***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Cooperative Extension	USDA-CSRS-SRG-Special Research Grants	Livestock Marketing Information Center	6/1/00 - 5/31/02	1461 \$172,779

***Investigators/Collaborators:***

Robb, James G	Primary PI	Cooperative Extension
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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>Proj #</u> <u>\$Amount</u>
Environmental Health	HHS-NIH-National Institutes of Health	Biologically Based Reaction Network Modeling of P4502E1	8/1/01 - 7/31/06	7636 \$127,825

***Investigators/Collaborators:***

Reisfeld, Bradley	Primary PI	Environmental Health
Reardon, Kenneth F	Co-PI	Chemical & Bioes Engineering
Yang, Raymond S H	Co-PI	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 Awards Received October 1, 2001 - December 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>Proj #</u> <u>\$Amount</u>
Environmental Health	HHS-CDC-Centers for Disease Control	High Plains Intermountain Center for Agricultural Health & Safety	9/30/01 - 9/29/03	7634 \$116,422

***Investigators/Collaborators:***

Buchan,Roy M	Primary PI	Environmental Health		
Environmental Health	HHS-FDA-Food & Drug Administration	Antimicrobial Use & Resistance in Enteric Bacteria	9/30/00 - 9/29/03	7622 \$196,518

***Investigators/Collaborators:***

Morley,Paul S	Primary PI	Environmental Health
Hyatt,Doreene R	Co-PI	Microbiology

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***Microbiology***

<u>Administering Department</u>	<u>Sponsor Name</u>	<u>Project Title</u>	<u>Dates</u>	<u>Proj #</u> <u>\$Amount</u>
Environmental Health	HHS-FDA-Food & Drug Administration	Antimicrobial Use & Resistance in Enteric Bacteria	9/30/00 - 9/29/03	7622 \$196,518

***Investigators/Collaborators:***

Morley,Paul S	Primary PI	Environmental Health
Hyatt,Doreene R	Co-PI	Microbiology

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