

Colorado State University
Office of Vice President for Research
and
Information Technology

Research Proposals Submitted

and

Research Awards Received

October - December 1996

Research Proposals Submitted *and* Research Awards Received

October - December 1996

Foreword

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

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

Foreword continued

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

PROPOSALS

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

AWARDS

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

Contents

Section I Historical Summaries

Proposals by Sponsor	2
Proposals by College for 12 Consecutive Months	4
Proposals by College for Current Quarter	6
Proposals by Sponsor for Current Fiscal Year.....	8
Proposals by College for Current Fiscal Year.....	10
Awards by Sponsor	14
Awards by College for 12 Consecutive Months	16
Awards by Sponsor for Current Quarter	18
Awards by Sponsor for Current Fiscal Year.....	20
Awards by College for Current Fiscal Year.....	22

Section II

Detailed List of Proposals Submitted for Current Quarter Sequential within College by Department Number.....	25
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Section III

Detailed List of Awards Received for Current Quarter Sequential within College by Department Number.....	39
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This report is developed by the Office of Sponsored Programs at Colorado State University.

Please forward any comments, address changes or corrections to:

Colorado State University

Sponsored Programs

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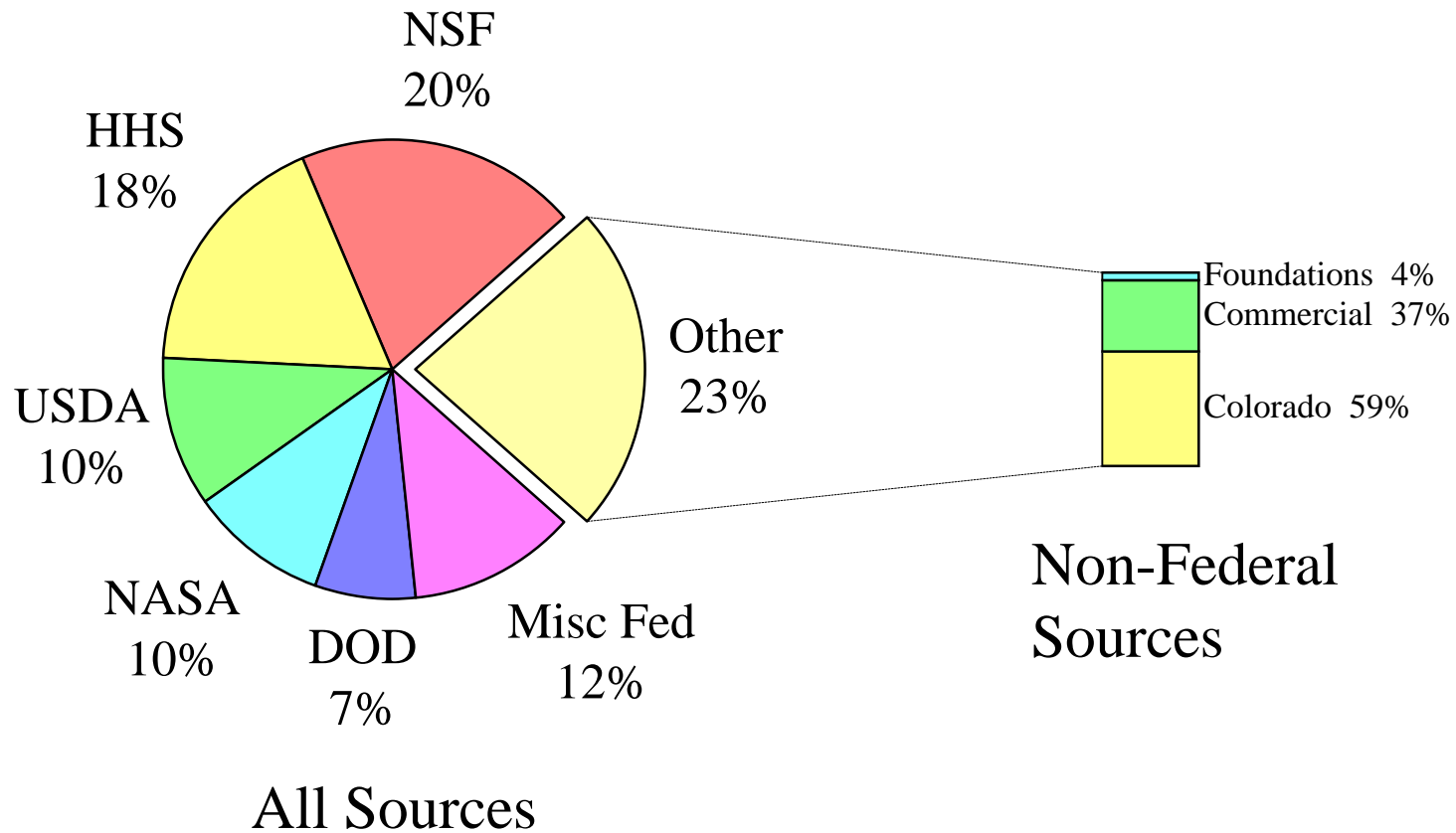
Section I

Historical Summaries

Historical and Current Quarter Proposal Summaries

Proposals by Fund Source

Quarter Ending December 1996



Comparison of Current Quarter Proposals to Same Quarter Previous Fiscal Years

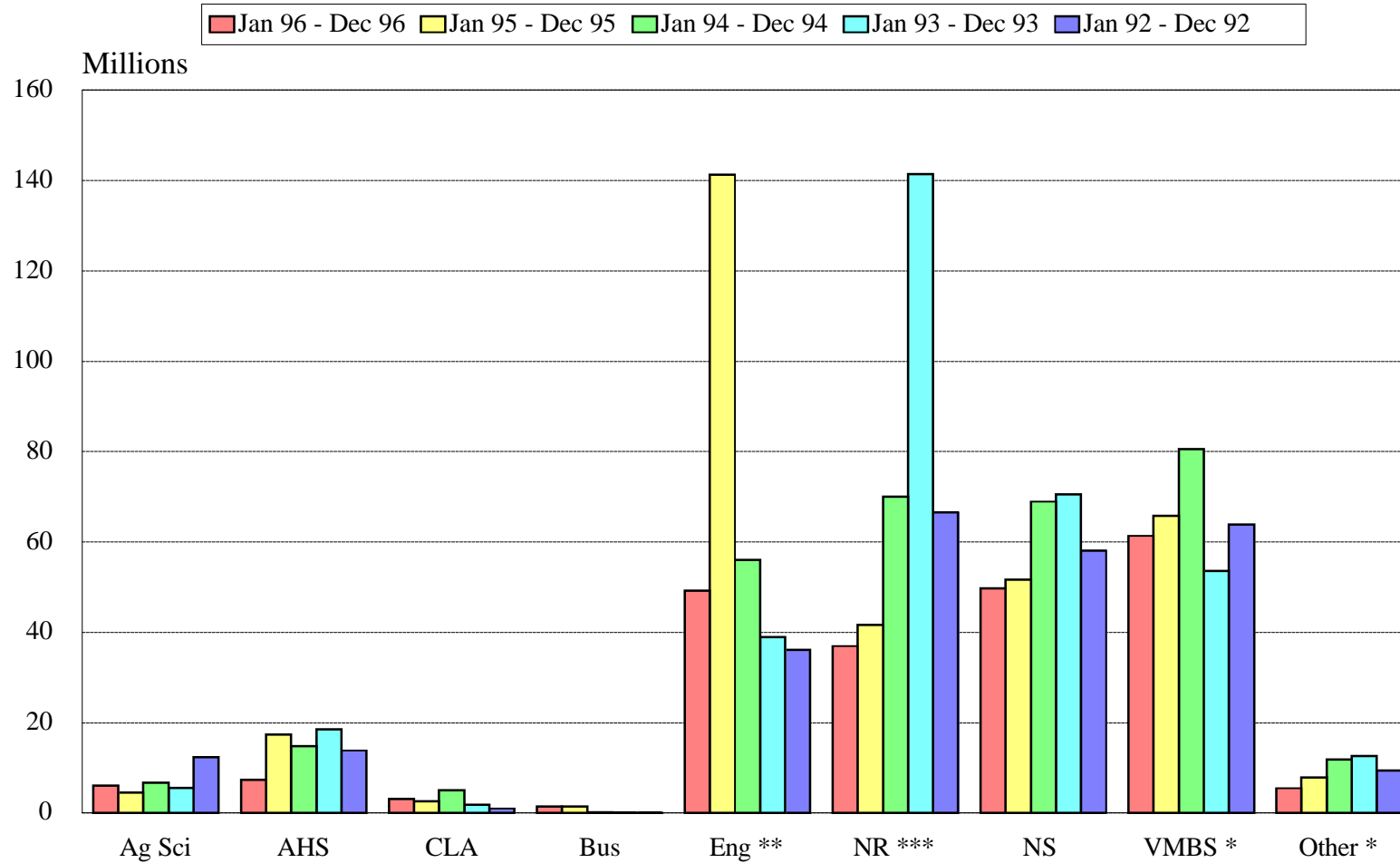
Sponsor	#	1996-1997	#	1995-1996	#	1994-1995	#	1993-1994	#	1992-1993
Commercial and Non-Profit	40	\$ 3,887,379	53	\$ 5,683,469	46	\$ 4,110,418	41	\$ 4,946,070	50	\$ 3,713,055
Foundations	10	\$ 406,234	10	\$ 463,174	6	\$ 263,088	7	\$ 252,210	2	\$ 36,906
Institutes	0	-	1	\$ 46,644	0	-	1	\$ 96,910	1	\$ 398,648
State of Colorado	16	\$ 6,335,450	11	\$ 859,858	10	\$ 903,269	9	\$ 1,300,844	14	\$ 1,454,078
Subtotal of Non-Federal	66	\$ 10,629,063	75	\$ 7,053,145	62	\$ 5,276,775	58	\$ 6,596,034	67	\$ 5,602,687
USDA - Department of Agriculture	22	\$ 4,831,688	12	\$ 2,826,384	11	\$ 2,382,863	22	\$ 5,635,896	33	\$ 5,748,317
DOC - Department of Commerce	0	-	0	-	1	\$ 135,437	3	\$ 1,217,985	0	-
DOD - Department of Defense	11	\$ 3,179,940	14	\$ 7,703,157	*17	\$ 39,475,155	**20	\$ 126,492,772	*28	\$ 28,049,427
DOE - Department of Energy	4	\$ 1,310,337	8	\$ 10,051,094	1	\$ 395,525	7	\$ 1,940,791	9	\$ 3,443,778
EPA - Environmental Protection Agency	0	-	3	\$ 124,625	3	\$ 318,701	8	\$ 747,651	1	\$ 99,000
HHS - Health & Human Services	10	\$ 8,271,213	19	\$ 8,987,918	27	\$ 16,452,690	33	\$ 24,204,152	21	\$ 15,932,442
USDI - Department of the Interior	2	\$ 120,319	2	\$ 40,278	7	\$ 1,667,687	3	\$ 1,628,257	2	\$ 403,571
NASA - National Aeronautics & Space Administration	5	\$ 4,587,161	8	\$ 6,863,866	5	\$ 1,783,561	8	\$ 2,138,707	1	\$ 307,795
NSF - National Science Foundation	33	\$ 9,124,681	34	\$ 15,178,246	52	\$ 19,133,207	57	\$ 22,678,405	51	\$ 10,611,286
Miscellaneous Federal	6	\$ 4,057,635	6	\$ 2,714,417	28	\$ 3,028,279	31	\$ 1,910,703	35	\$ 1,222,060
*** TOTAL ***	159	\$ 46,112,037	181	\$ 61,543,130	197	\$ 89,786,792	230	\$ 194,842,233	220	\$ 71,420,363

* See Foreword.

*** Includes One \$122 Million Proposal Submitted to DOD by Range Land Science, Second Quarter FY '94.

Proposals by College

Comparison of Consecutive 12 Months



January - December

Comparison Consecutive 12 Months Proposals to Same Period Previous Years January - December

College	#	01/96 to 12/96	#	01/95 to 12/95	#	01/94 to 12/94	#	01/93 to 12/93	#	01/92 to 12/92
Ag Sci - Agricultural Sciences	42	\$ 6,094,769	42	\$ 4,550,721	60	\$ 6,694,079	43	\$ 5,600,119	99	\$ 12,327,154
AHS - Applied Human Sciences	36	\$ 7,321,797	38	\$ 17,396,237	59	\$ 14,866,290	72	\$ 18,499,026	58	\$ 13,843,501
CLA - Liberal Arts	24	\$ 3,133,928	11	\$ 2,564,563	17	\$ 5,027,082	22	\$ 1,904,703	16	\$ 1,014,244
Bus - Business	4	\$ 1,411,576	7	\$ 1,409,677	5	\$ 148,670	5	\$ 81,772	3	\$ 106,497
Eng - Engineering	*163	\$ 49,245,373	**199	\$ 141,284,058	205	\$ 56,002,608	181	\$ 38,913,212	174	\$ 36,107,478
NR - Natural Resources	121	\$ 36,969,101	144	\$ 41,694,353	*104	\$ 70,039,309	***98	\$ 141,379,220	*96	\$ 66,510,094
NS - Natural Sciences	166	\$ 49,697,467	159	\$ 51,692,319	177	\$ 68,923,814	212	\$ 70,525,751	171	\$ 58,053,361
VMBS - Veterinary Medicine & Biomedical Sciences	188	\$ 61,361,144	164	\$ 65,757,964	*189	\$ 80,613,854	*145	\$ 53,648,474	160	\$ 63,898,631
Other - Other	24	\$ 5,498,930	37	\$ 7,890,849	43	\$ 11,868,146	62	\$ 12,629,445	38	\$ 9,456,566
*** TOTAL ***	768	\$ 220,734,085	801	\$ 334,240,741	859	\$ 314,183,852	840	\$ 343,181,722	815	\$ 261,317,526

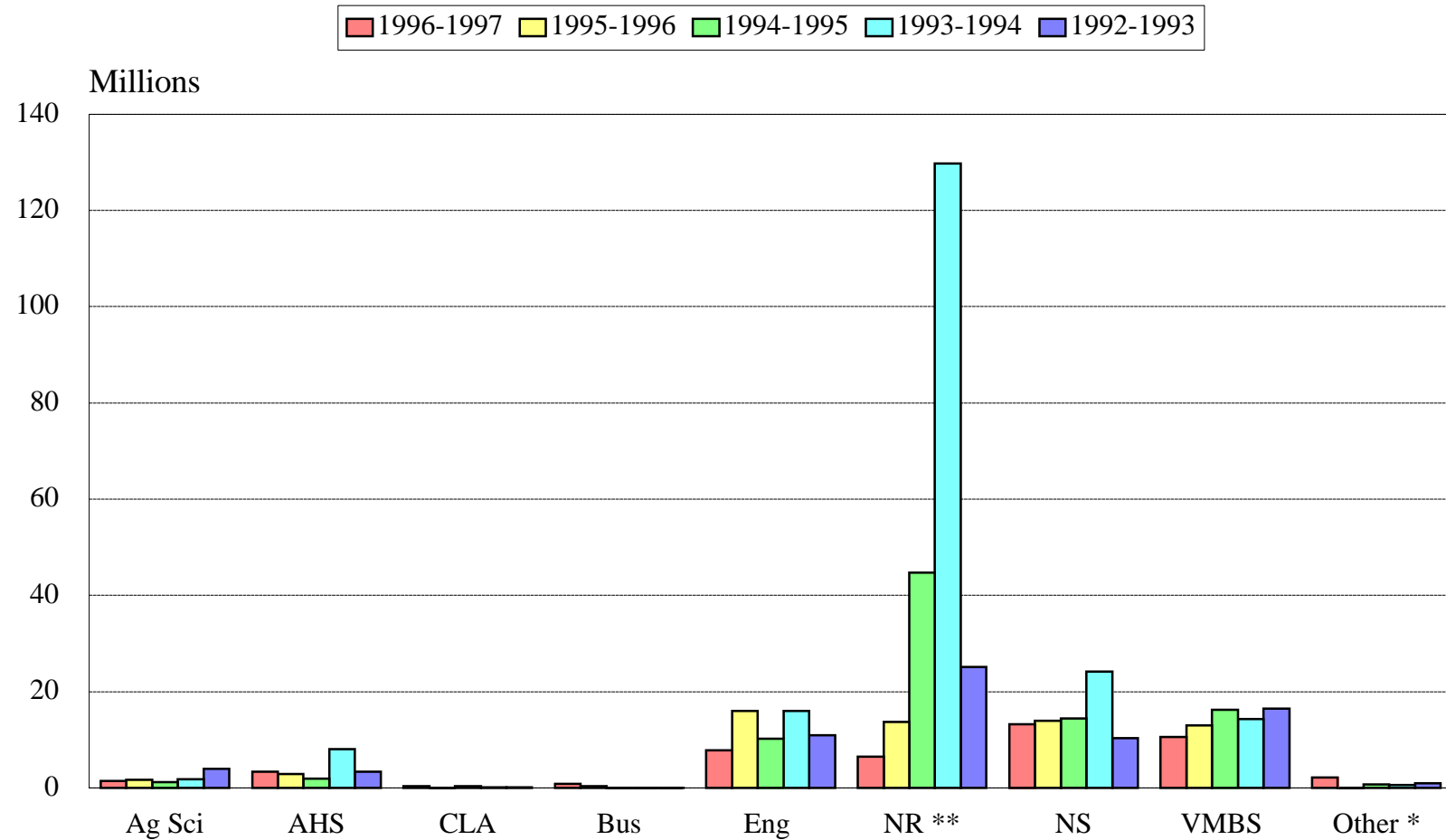
* See Foreword.

** Includes One \$80 Million Proposal Submitted to DOC by CIRA, First Quarter FY '96.

*** Includes One \$122 Million Proposal Submitted to DOD by Range Land Science, Second Quarter FY '94.

Proposals by College for Quarter

Comparison of Proposal Submissions



October - December

Comparison of Current Quarter Proposals to Same Quarter Previous Fiscal Years

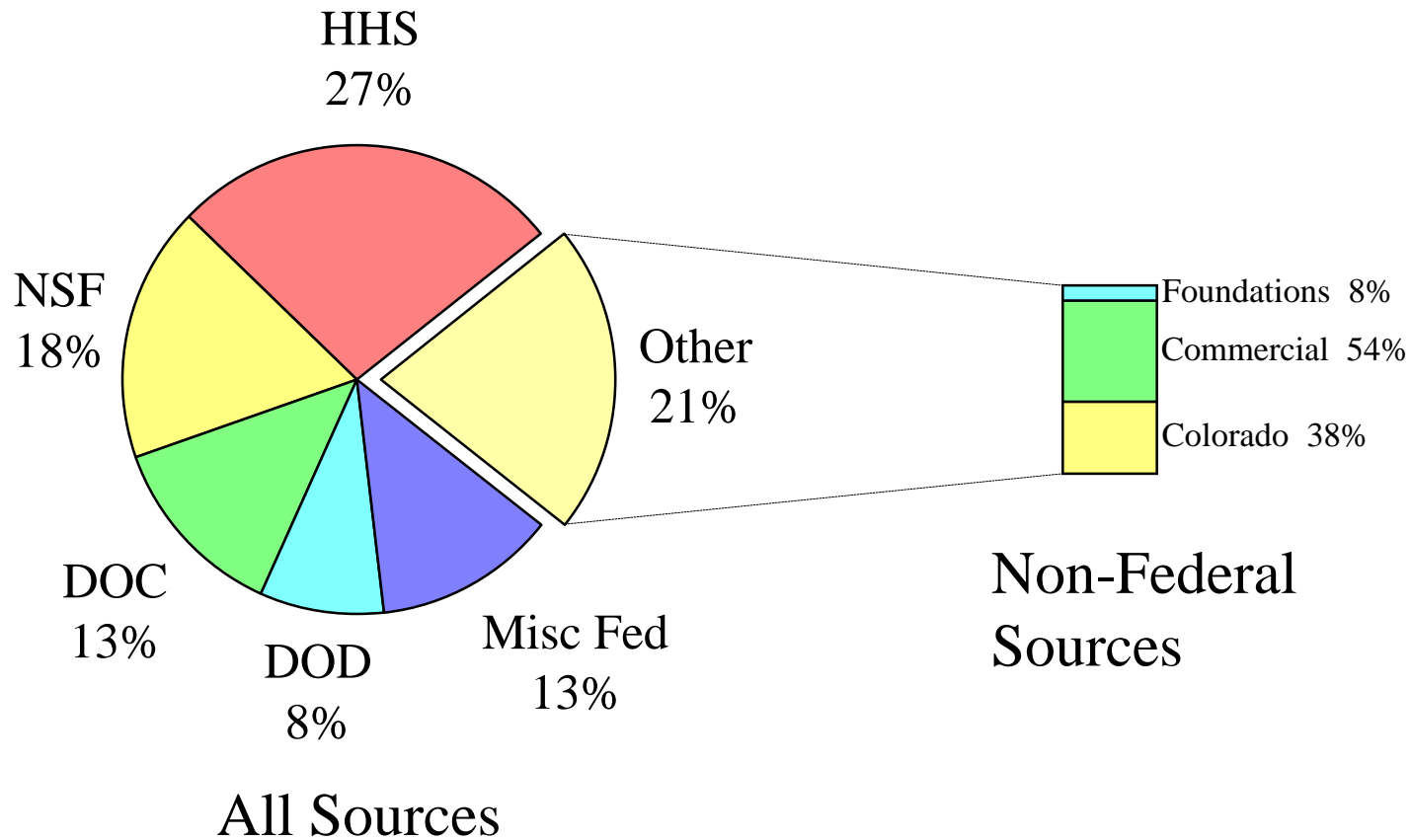
College	#	1996-1997	#	1995-1996	#	1994-1995	#	1993-1994	#	1992-1993
Ag Sci - Agricultural Sciences	12	\$ 1,488,925	9	\$ 1,624,016	10	\$ 1,229,301	10	\$ 1,815,637	35	\$ 4,013,098
AHS - Applied Human Sciences	4	\$ 3,316,490	8	\$ 2,915,823	10	\$ 1,958,394	27	\$ 8,102,292	12	\$ 3,407,792
CLA - Liberal Arts	3	\$ 317,780	3	\$ 15,316	3	\$ 302,579	3	\$ 170,716	4	\$ 121,483
Bus - Business	1	\$ 862,751	2	\$ 347,797	1	\$ 40,000	0	\$ -	1	\$ 21,722
Eng - Engineering	23	\$ 7,802,946	48	\$ 15,971,035	50	\$ 10,172,162	50	\$ 16,021,581	49	\$ 10,955,662
NR - Natural Resources	24	\$ 6,439,924	27	\$ 13,750,777	*26	\$ 44,674,237	**29	\$ 129,700,167	*25	\$ 25,133,398
NS - Natural Sciences	45	\$ 13,230,742	43	\$ 13,933,001	49	\$ 14,367,472	63	\$ 24,134,364	50	\$ 10,345,366
VMBS - Veterinary Medicine & Biomedical Sciences	39	\$ 10,528,353	39	\$ 12,971,765	44	\$ 16,277,602	40	\$ 14,303,903	38	\$ 16,411,655
Other - Other	8	\$ 2,124,126	2	\$ 13,600	4	\$ 765,045	8	\$ 593,573	6	\$ 1,010,187
*** TOTAL ***	159	\$ 46,112,037	181	\$ 61,453,130	197	\$ 89,786,792	230	\$ 194,842,233	220	\$ 71,420,363

* See Foreword.

** Includes One \$122 Million Proposal Submitted to DOD by Range Land Science, Second Quarter FY '94.

Proposals by Fund Source

Comparison Totals for Fiscal Year



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

July - December Only

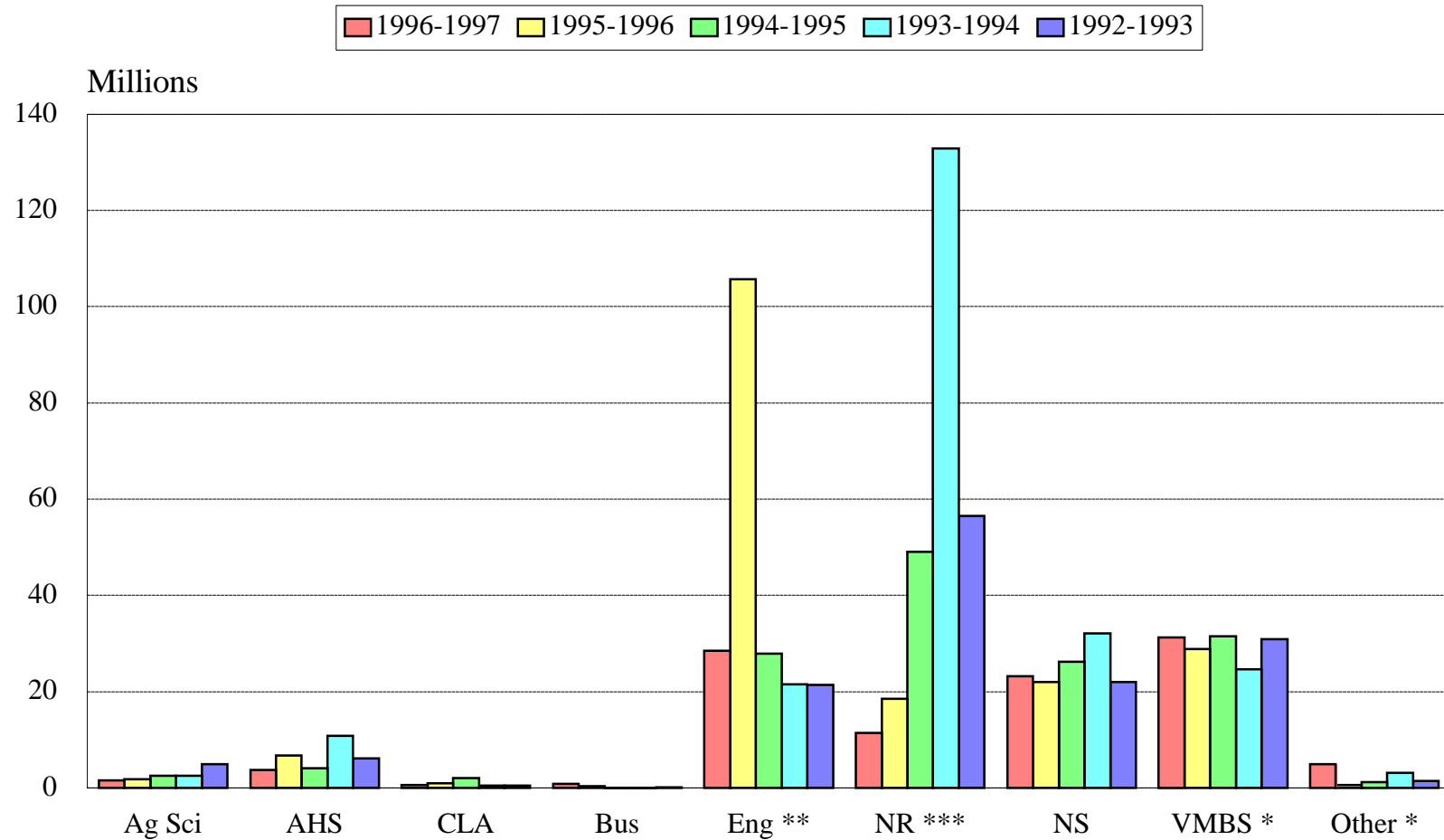
Sponsor	#	FY 97	#	FY 96	#	FY 95	#	FY 94	#	FY 93
Commercial and Non-Profit	74	\$ 11,948,567	91	\$ 10,410,405	86	\$ 7,042,718	89	\$ 8,652,788	74	\$ 7,184,308
Foundations	21	\$ 1,649,688	26	\$ 2,402,501	17	\$ 730,770	15	\$ 908,926	5	\$ 184,206
Institutes	0	\$ -	3	\$ 193,699	1	\$ 210,420	1	\$ 96,910	2	\$ 399,648
State of Colorado	37	\$ 7,844,449	28	\$ 12,011,569	33	\$ 7,867,055	18	\$ 2,278,887	25	\$ 7,926,621
Subtotal of Non-Federal	132	\$ 21,442,704	148	\$ 25,018,174	137	\$ 15,850,963	123	\$ 11,937,511	106	\$ 15,694,783
USDA - Department of Agriculture	27	\$ 5,221,730	23	\$ 4,116,844	17	\$ 2,735,916	29	\$ 6,066,461	42	\$ 35,951,951
DOC - Department of Commerce	*13	\$ 13,237,652	*5	\$ 80,976,216	9	\$ 1,908,187	12	\$ 2,666,182	4	\$ 264,102
DOD - Department of Defense	35	\$ 8,438,178	30	\$ 10,177,625	*42	\$ 48,847,796	**42	\$ 129,512,392	*38	\$ 30,265,422
DOE - Department of Energy	5	\$ 1,634,463	9	\$ 10,440,415	9	\$ 3,433,348	7	\$ 1,940,791	11	\$ 4,273,385
EPA - Environmental Protection Agency	4	\$ 139,075	4	\$ 145,165	8	\$ 1,604,034	12	\$ 1,622,691	6	\$ 490,837
HHS - Health & Human Services	*40	\$ 27,379,709	34	\$ 19,066,532	49	\$ 31,271,907	54	\$ 35,822,442	44	\$ 33,152,085
USDI - Department of the Interior	10	\$ 966,898	4	\$ 75,928	11	\$ 2,627,337	6	\$ 3,119,787	5	\$ 649,349
NASA - National Aeronautics & Space Administration	8	\$ 5,178,159	8	\$ 6,863,866	10	\$ 3,469,404	9	\$ 2,233,207	7	\$ 1,408,847
NSF - National Science Foundation	54	\$ 17,700,980	67	\$ 26,046,209	82	\$ 28,814,747	82	\$ 29,991,602	72	\$ 19,016,791
Miscellaneous Federal	64	\$ 4,792,081	12	\$ 2,738,008	63	\$ 3,920,126	63	\$ 3,125,377	53	\$ 2,661,973
*** TOTAL ***	339	\$ 106,131,629	339	\$ 185,664,982	395	\$ 144,483,765	397	\$ 228,038,443	350	\$ 143,829,525

* See Foreword.

** Includes One \$122 Million Proposal Submitted to DOD by Range Land Science, Second Quarter FY '94.

Proposals by College

Comparison of Proposal Submissions by Fiscal Year



July-December

Comparison Cumulative Fiscal Year Proposals to Same Period Previous Fiscal Years

July - December Only

College	#	FY 97	#	FY 96	#	FY 95	#	FY 94	#	FY 93
Ag Sci - Agricultural Sciences	15	\$ 1,573,572	13	\$ 1,822,413	22	\$ 2,530,799	22	\$ 2,575,986	44	\$ 4,954,075
AHS - Applied Human Sciences	14	\$ 3,747,652	17	\$ 6,745,490	31	\$ 4,033,085	40	\$ 10,768,135	27	\$ 6,131,714
CLA - Liberal Arts	9	\$ 542,657	6	\$ 905,135	10	\$ 2,022,271	10	\$ 502,179	7	\$ 485,594
Bus - Business	2	\$ 874,851	3	\$ 390,297	1	\$ 40,000	0	\$ -	2	\$ 81,122
Eng - Engineering	*67	\$ 28,550,325	**88	\$ 105,707,703	108	\$ 27,891,784	82	\$ 21,478,356	81	\$ 21,352,420
NR - Natural Resources	54	\$ 11,466,383	56	\$ 18,546,066	*40	\$ 49,038,183	***46	\$ 132,890,955	*36	\$ 56,477,653
NS - Natural Sciences	82	\$ 23,224,178	74	\$ 22,025,385	91	\$ 26,223,884	107	\$ 32,057,128	77	\$ 22,009,075
VMBS - Veterinary Medicine & Biomedical Sciences	*79	\$ 31,226,515	76	\$ 28,883,848	78	\$ 31,497,149	66	\$ 24,684,141	63	\$ 30,853,572
Other - Other	17	\$ 4,925,496	6	\$ 638,645	14	\$ 1,206,610	24	\$ 3,081,563	13	\$ 1,484,300
*** TOTAL ***	339	\$ 106,131,629	339	\$ 185,664,982	395	\$ 144,483,765	397	\$ 228,038,443	350	\$ 143,829,525

* See Foreword.

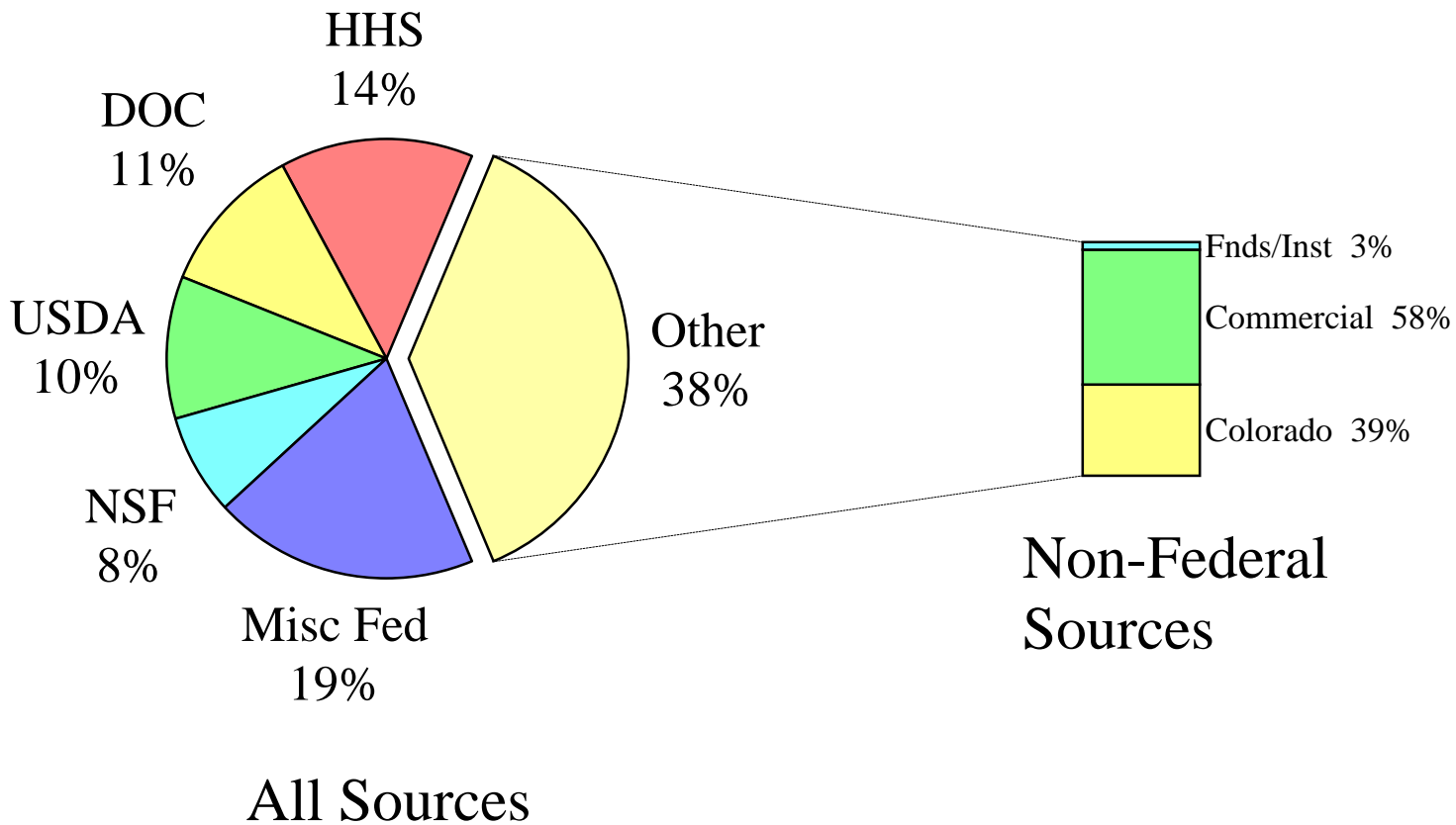
** Includes One \$80 Million Proposal Submitted to DOC by CIRA, First Quarter FY '96.

*** Includes One \$122 Million Proposal Submitted to DOD by Range Land Science, Second Quarter FY '94.

Historical and Current Quarter Award Summaries

Awards by Fund Source

Quarter Ending December 1996

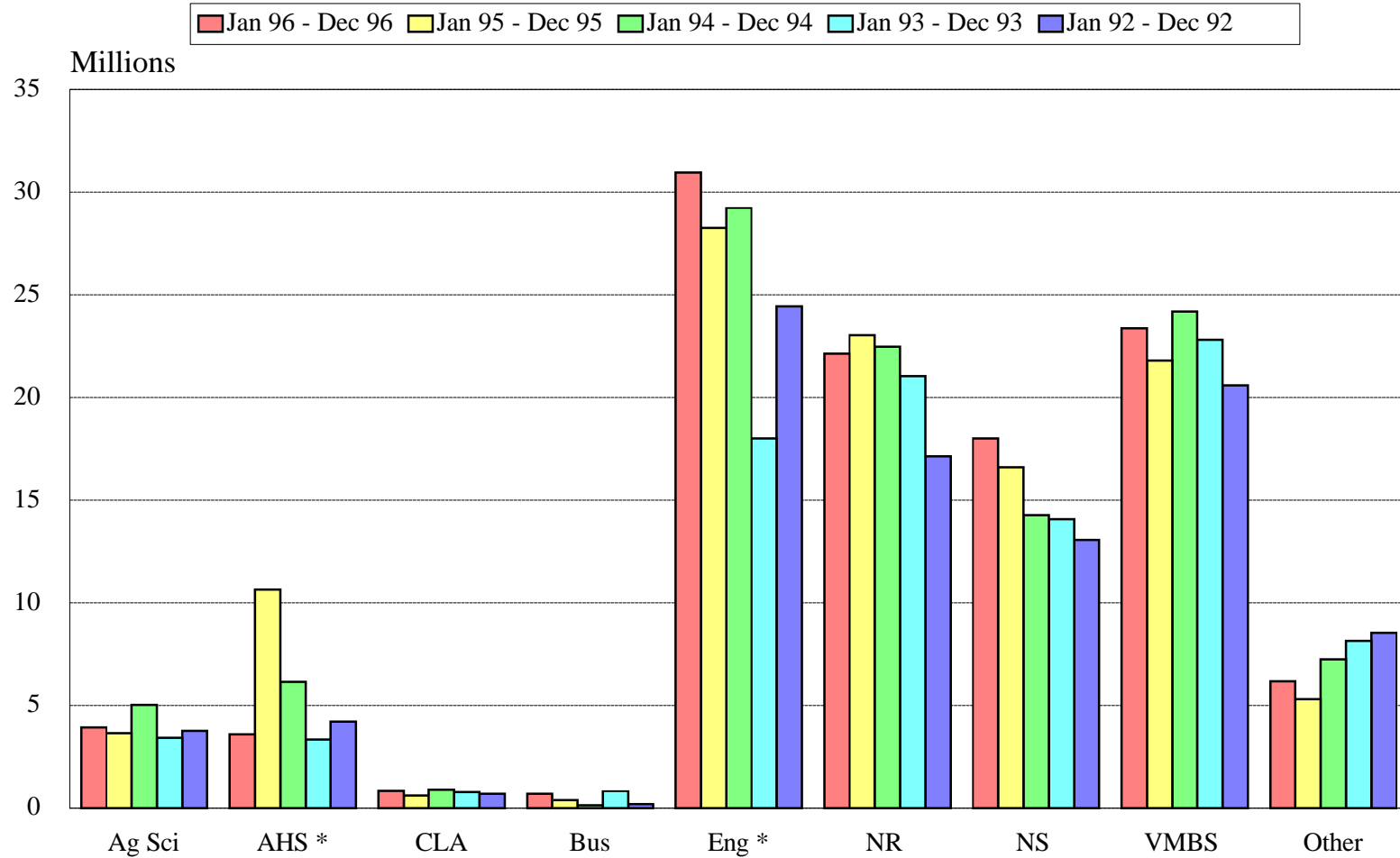


Comparison of Current Quarter Awards to Same Quarter Previous Fiscal Years

Sponsor	#	1996-1997	#	1995-1996	#	1994-1995	#	1993-1994	#	1992-1993
Commercial and Non-Profit	106	\$ 5,769,035	110	\$ 3,568,782	110	\$ 3,820,578	89	\$ 3,223,679	73	\$ 3,647,250
Foundations	9	\$ 236,919	8	\$ 67,483	5	\$ 47,790	9	\$ 190,954	7	\$ 292,765
Institutes	1	\$ 87,935	2	\$ 232,676	0	-	1	\$ 330,374	2	\$ 192,844
State of Colorado	67	\$ 3,900,665	66	\$ 3,999,429	62	\$ 2,156,964	62	\$ 1,617,392	58	\$ 3,946,309
Subtotal of Non-Federal	183	\$ 9,994,554	186	\$ 7,868,370	177	\$ 6,025,332	161	\$ 5,362,399	140	\$ 8,079,168
USDA - Department of Agriculture	72	\$ 2,736,187	48	\$ 3,087,728	47	\$ 3,767,690	54	\$ 1,399,057	42	\$ 2,958,638
DOC - Department of Commerce	2	\$ 2,995,703	3	\$ 191,810	2	\$ 224,007	6	\$ 466,949	9	\$ 1,596,040
DOD - Department of Defense	19	\$ 1,712,013	8	\$ 712,382	17	\$ 2,059,606	20	\$ 2,013,863	12	\$ 1,732,650
DOE - Department of Energy	8	\$ 965,800	6	\$ 891,535	8	\$ 1,250,024	6	\$ 937,792	5	\$ 636,193
EPA - Environmental Protection Agency	7	\$ 823,867	4	\$ 503,969	3	\$ 225,910	7	\$ 709,586	3	\$ 346,392
HHS - Health & Human Services	31	\$ 3,723,237	18	\$ 1,835,242	21	\$ 3,003,049	15	\$ 2,795,393	25	\$ 3,588,380
USDI - Department of the Interior	9	\$ 102,111	11	\$ 837,933	22	\$ 1,452,556	21	\$ 678,398	35	\$ 1,905,397
NASA - National Aeronautics & Space Administration	9	\$ 521,594	1	\$ 35,000	13	\$ 578,577	3	\$ 129,643	10	\$ 287,997
NSF - National Science Foundation	15	\$ 1,881,928	21	\$ 2,125,445	30	\$ 2,401,448	25	\$ 2,273,908	33	\$ 3,165,281
Miscellaneous Federal	6	\$ 1,038,180	4	\$ 138,943	6	\$ 415,900	12	\$ 1,771,247	11	\$ 1,423,628
*** TOTAL ***	361	\$ 26,495,174	310	\$ 18,228,357	346	\$ 21,404,099	330	\$ 18,538,235	325	\$ 25,719,764

Awards by College

Comparison of Consecutive 12 Months



January - December

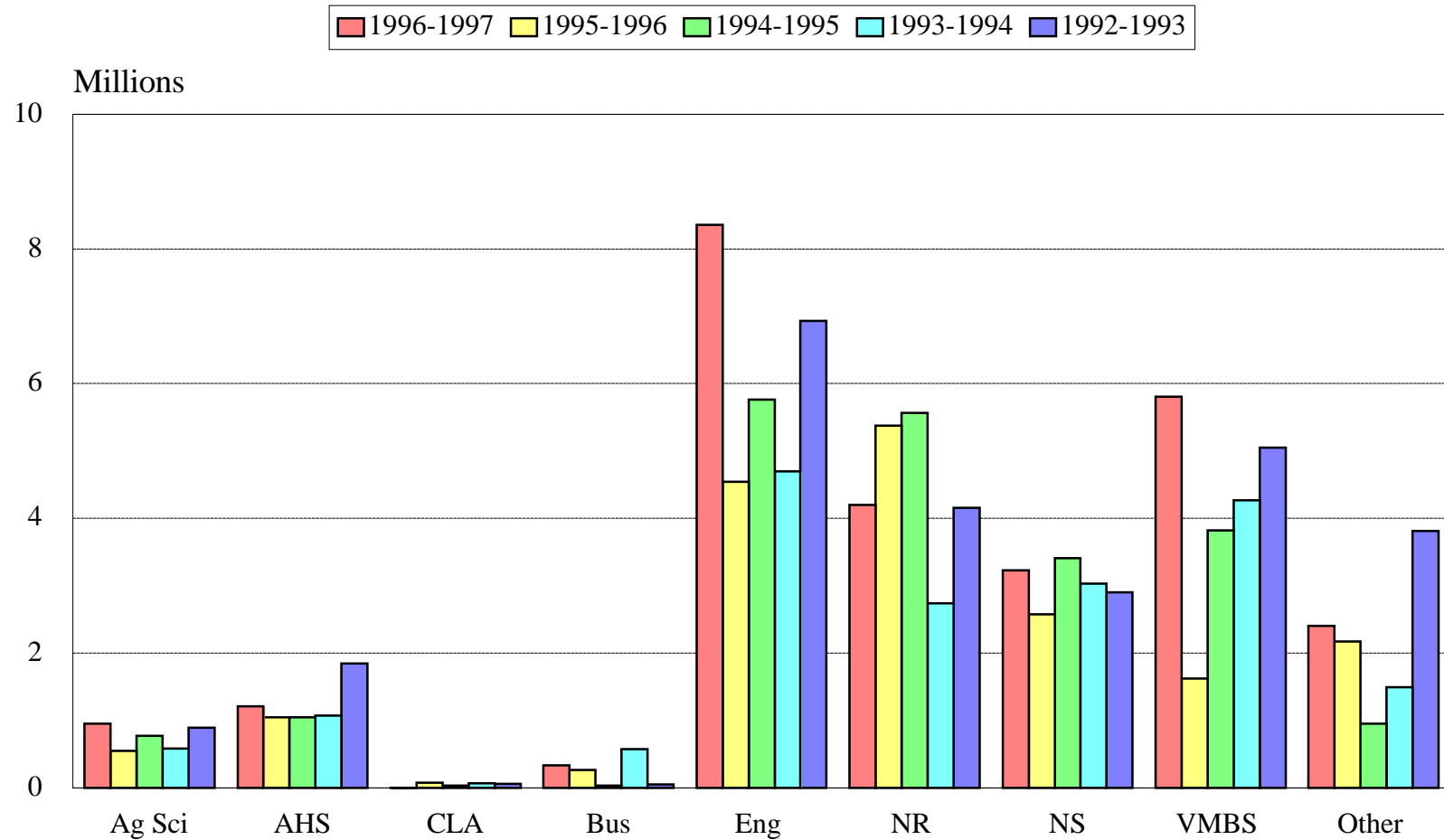
Comparison Consecutive 12 Months Awards to Same Period Previous Years January - December

College	#	01/96 to 12/96	#	01/95 to 12/95	#	01/94 to 12/94	#	01/93 to 12/93	#	01/92 to 12/92
Ag Sci - Agricultural Sciences	190	\$ 3,949,793	210	\$ 3,655,321	218	\$ 5,026,198	157	\$ 3,446,998	139	\$ 3,763,466
AHS - Applied Human Sciences	86	\$ 3,596,310	*92	\$ 10,659,518	90	\$ 6,151,283	80	\$ 3,358,630	64	\$ 4,214,036
CLA - Liberal Arts	20	\$ 851,978	16	\$ 616,723	16	\$ 923,881	16	\$ 801,033	14	\$ 700,877
Bus - Business	10	\$ 701,217	10	\$ 409,926	7	\$ 137,736	30	\$ 840,234	11	\$ 210,170
Eng - Engineering	362	\$ 30,957,156	325	\$ 28,250,928	*379	\$ 29,226,049	307	\$ 18,001,507	275	\$ 24,426,589
NR - Natural Resources	419	\$ 22,141,535	364	\$ 23,038,378	324	\$ 22,480,716	310	\$ 21,039,598	214	\$ 17,140,229
NS - Natural Sciences	212	\$ 18,012,167	218	\$ 16,594,224	190	\$ 14,271,671	174	\$ 14,080,268	155	\$ 13,067,873
VMBS - Veterinary Medicine & Biomedical Sciences	265	\$ 23,383,464	233	\$ 21,809,084	232	\$ 24,182,909	203	\$ 22,807,021	174	\$ 20,602,781
Other - Other	79	\$ 6,178,260	85	\$ 5,329,151	114	\$ 7,247,166	143	\$ 8,156,959	115	\$ 8,532,721
*** TOTAL ***	1,643	\$ 109,771,880	1,553	\$ 110,363,253	1,570	\$ 109,647,609	1,420	\$ 92,532,248	1,161	\$ 92,658,742

* See Foreword.

Awards by College for Quarter

Comparison of Awards Received



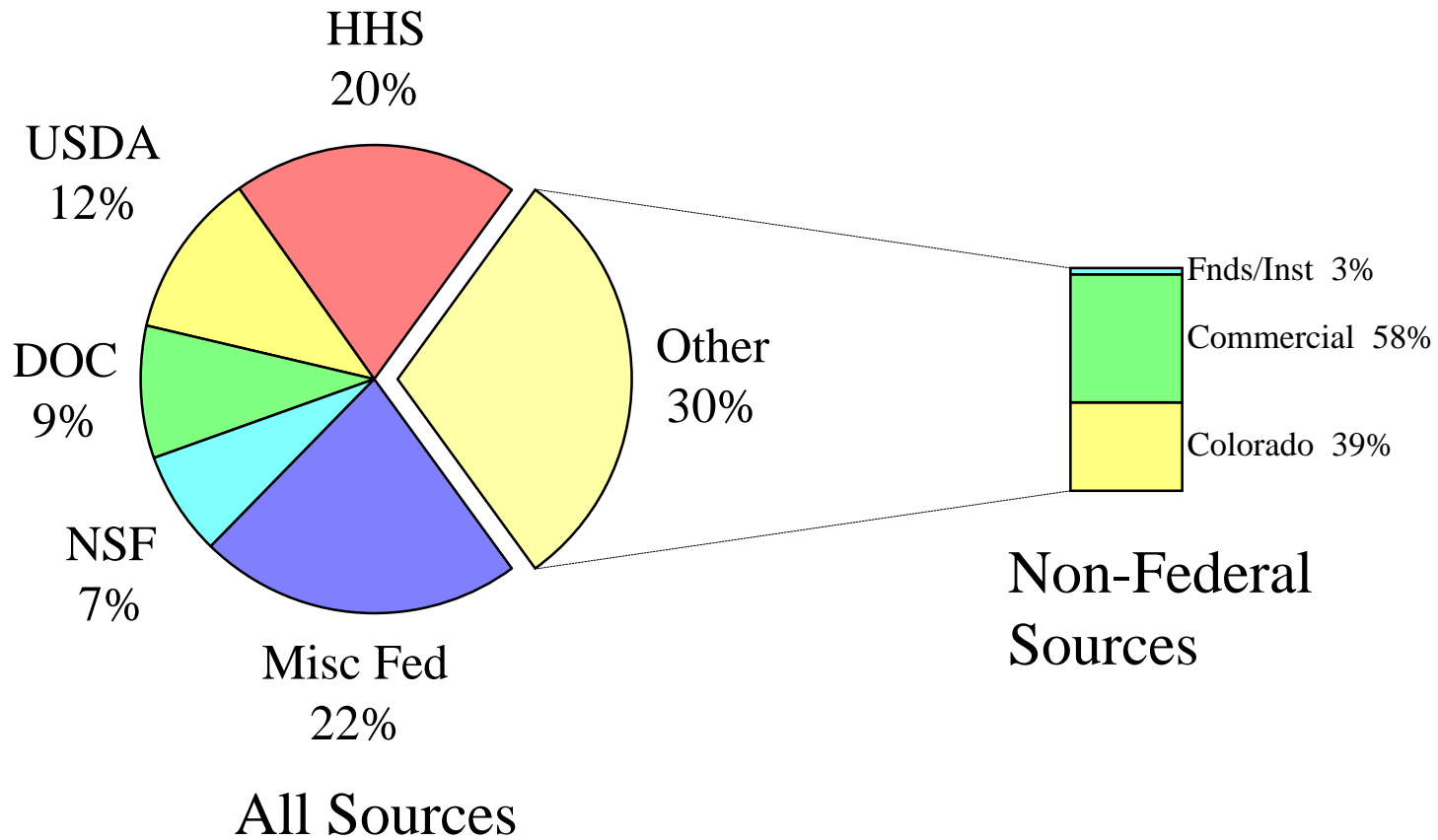
October - December

Comparison of Current Quarter Awards to Same Quarter Previous Fiscal Years

College	#	1996-1997	#	1995-1996	#	1994-1995	#	1993-1994	#	1992-1993
Ag Sci - Agricultural Sciences	46	\$ 951,021	43	\$ 547,625	50	\$ 769,883	35	\$ 584,953	33	\$ 892,636
AHS - Applied Human Sciences	19	\$ 1,213,105	22	\$ 1,046,581	31	\$ 1,049,492	32	\$ 1,076,980	13	\$ 1,849,919
CLA - Liberal Arts	0	-	3	\$ 75,991	2	\$ 31,503	2	\$ 68,852	4	\$ 58,250
Bus - Business	2	\$ 336,201	3	\$ 266,210	1	\$ 30,012	18	\$ 577,354	3	\$ 54,057
Eng - Engineering	75	\$ 8,359,886	57	\$ 4,541,626	84	\$ 5,766,711	67	\$ 4,702,122	84	\$ 6,931,671
NR - Natural Resources	89	\$ 4,199,875	70	\$ 5,379,011	54	\$ 5,568,520	60	\$ 2,741,019	69	\$ 4,156,135
NS - Natural Sciences	39	\$ 3,225,367	39	\$ 2,576,153	47	\$ 3,410,566	41	\$ 3,028,221	36	\$ 2,907,054
VMBS - Veterinary Medicine & Biomedical Sciences	67	\$ 5,804,537	45	\$ 1,623,813	42	\$ 3,826,178	45	\$ 4,267,044	43	\$ 5,052,519
Other - Other	24	\$ 2,405,182	28	\$ 2,171,347	35	\$ 951,234	30	\$ 1,491,690	40	\$ 3,817,523
*** TOTAL ***	361	\$ 26,495,174	310	\$ 18,228,357	346	\$ 21,404,099	330	\$ 18,538,235	325	\$ 25,719,764

Awards by Fund Source

Comparison Totals for Fiscal Year



Comparison Cumulative Fiscal Year Awards to Same Period Previous Fiscal Year

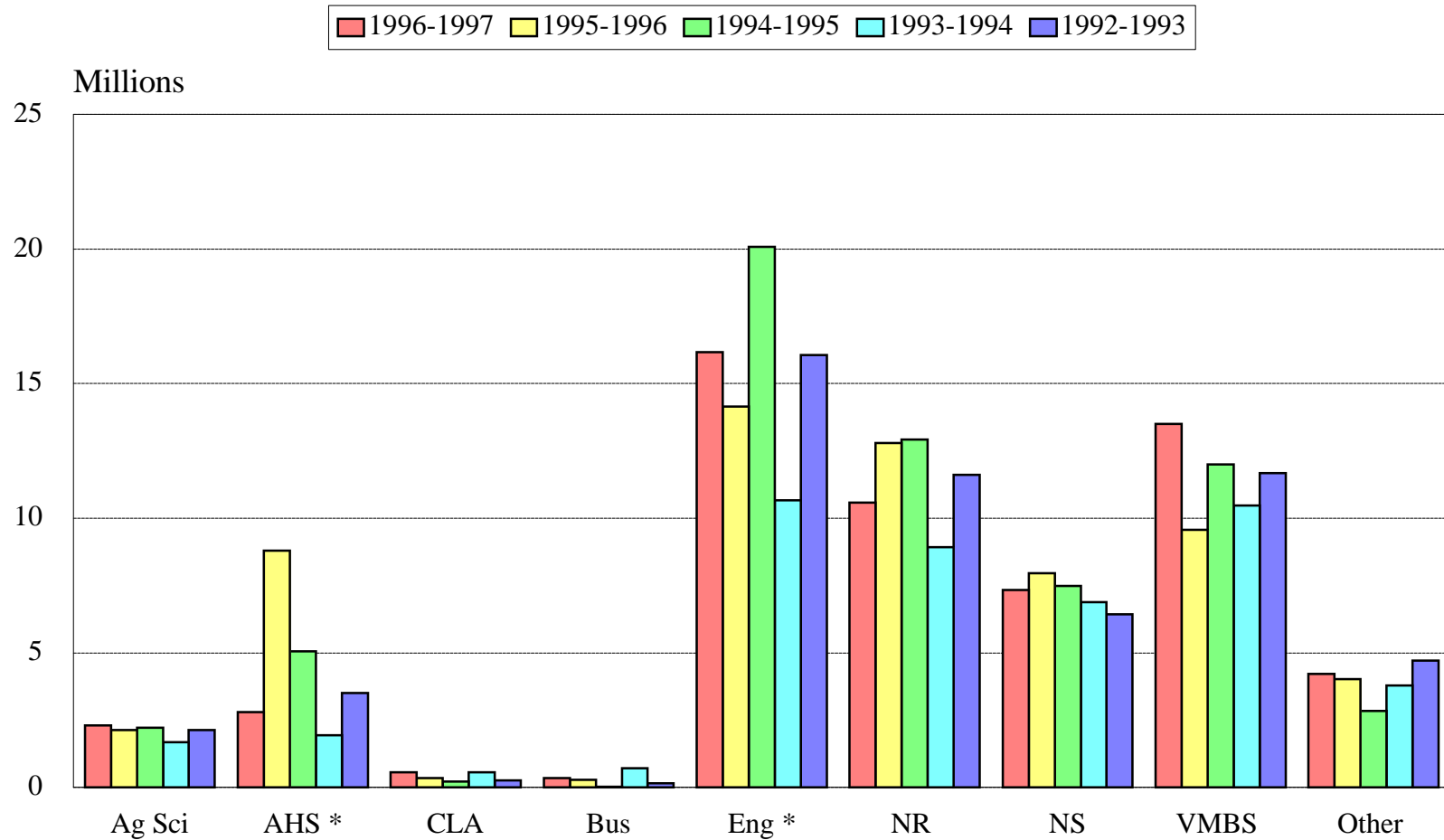
July - December Only

Sponsor	#	FY 97	#	FY 96	#	FY 95	#	FY 94	#	FY 93
Commercial and Non-Profit	235	\$ 10,059,784	246	\$ 7,664,839	252	\$ 7,075,293	205	\$ 6,528,530	164	\$ 11,410,530
Foundations	18	\$ 406,522	3	\$ 103,193	18	\$ 371,910	14	\$ 409,248	12	\$ 419,483
Institutes	3	\$ 109,848	6	\$ 486,865	6	\$ 1,105,759	3	\$ 395,035	5	\$ 478,027
State of Colorado	119	\$ 6,867,388	*121	\$ 14,207,492	113	\$ 8,397,341	101	\$ 3,067,417	94	\$ 5,738,518
Subtotal of Non-Federal	375	\$ 17,443,542	255	\$ 22,462,389	389	\$ 16,950,303	323	\$ 10,400,230	275	\$ 18,046,558
USDA - Department of Agriculture	158	\$ 6,743,324	122	\$ 6,108,549	118	\$ 8,548,033	130	\$ 6,379,812	96	\$ 9,761,330
DOC - Department of Commerce	20	\$ 5,158,175	14	\$ 2,847,465	12	\$ 2,026,013	13	\$ 908,264	10	\$ 1,618,551
DOD - Department of Defense	47	\$ 3,326,030	38	\$ 5,281,445	*38	\$ 7,487,858	33	\$ 2,661,547	18	\$ 2,168,738
DOE - Department of Energy	19	\$ 2,410,020	18	\$ 2,347,338	19	\$ 2,206,961	22	\$ 2,288,579	17	\$ 1,530,185
EPA - Environmental Protection Agency	17	\$ 1,353,141	11	\$ 904,999	8	\$ 544,903	11	\$ 974,004	10	\$ 758,804
HHS - Health & Human Services	82	\$ 11,391,214	65	\$ 8,906,725	62	\$ 10,964,419	64	\$ 10,586,187	59	\$ 10,005,745
USDI - Department of the Interior	55	\$ 2,038,661	56	\$ 2,562,124	63	\$ 3,775,282	68	\$ 2,630,913	68	\$ 3,351,225
NASA - National Aeronautics & Space Administration	21	\$ 1,843,295	12	\$ 1,358,941	23	\$ 1,653,182	22	\$ 1,006,793	21	\$ 951,710
NSF - National Science Foundation	43	\$ 4,230,364	52	\$ 5,896,580	66	\$ 5,785,492	65	\$ 5,057,946	68	\$ 5,378,812
Miscellaneous Federal	14	\$ 1,915,263	141	\$ 1,404,459	61	\$ 2,938,805	23	\$ 2,776,347	26	\$ 3,004,707
*** TOTAL ***	851	\$ 57,853,029	784	\$ 60,081,014	821	\$ 62,881,251	774	\$ 45,670,622	668	\$ 56,576,365

* See Foreword.

Awards by College

Comparison of Awards Received by Fiscal Year



July-December

Comparison Cumulative Fiscal Year Awards to Same Period Previous Fiscal Year

July - December Only

College	#	FY 97	#	FY 96	#	FY 95	#	FY 94	#	FY 93
Ag Sci - Agricultural Sciences	99	\$ 2,304,334	115	\$ 2,135,688	120	\$ 2,232,230	86	\$ 1,682,931	88	\$ 2,144,287
AHS - Applied Human Sciences	46	\$ 2,800,518	*43	\$ 8,805,967	52	\$ 5,054,557	48	\$ 1,949,089	40	\$ 3,508,760
CLA - Liberal Arts	12	\$ 578,432	8	\$ 352,035	9	\$ 224,777	11	\$ 575,638	9	\$ 271,819
Bus - Business	3	\$ 347,348	6	\$ 290,024	1	\$ 30,012	22	\$ 715,772	7	\$ 163,608
Eng - Engineering	178	\$ 16,176,053	144	\$ 14,149,136	*204	\$ 20,081,781	179	\$ 10,673,046	159	\$ 16,056,067
NR - Natural Resources	235	\$ 10,582,127	193	\$ 12,797,014	166	\$ 12,923,690	170	\$ 8,925,601	127	\$ 11,622,583
NS - Natural Sciences	90	\$ 7,337,428	102	\$ 7,953,114	97	\$ 7,488,179	91	\$ 6,886,096	84	\$ 6,429,112
VMBS - Veterinary Medicine & Biomedical Sciences	148	\$ 13,508,916	116	\$ 9,574,120	115	\$ 12,003,562	100	\$ 10,467,049	93	\$ 11,674,341
Other - Other	40	\$ 4,217,873	57	\$ 4,023,916	57	\$ 2,842,463	67	\$ 3,795,400	61	\$ 4,705,788
*** TOTAL ***	851	\$ 57,853,029	784	\$ 60,081,014	821	\$ 62,881,251	774	\$ 45,670,622	668	\$ 56,576,365

* See Foreword.

Section II

Proposals Submitted for Current Quarter

College: Agricultural Sciences -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Colorado Multicultural Scholars Program	Fenwick,Jack R Roberts,P Elaine	Dean of Agricultural Sciences USDA-CSRS-Coop. States Research Service	07/01/97- 06/30/02	96118301 \$100,000
Potassium Needs of High-yielding Corn & Alfalfa on the West Slope of Colorado	Davis,Jessica G	Soil & Crop Sciences Potash & Phosphate Institute	01/01/97- 12/31/97	96116501 \$5,950
Enhancing the Sustainability of Dryland Cropping Systems in the Four Corners Area through Reduced Tillage...	Berrada,Abdelfettah Peterson,Gary A	Soil & Crop Sciences USDA-CSRS-SARE-Sust Agri Res & Educ Prog	09/01/97- 08/30/00	96116601 \$199,503
Breeding for Early-Maturing Drought Resistant Wheat with Enhanced Stability	Quick,James S	Soil & Crop Sciences DOS-AID-Agency for Inter. Development	06/01/97- 06/01/01	96123101 \$164,727
N Mineralization & Soil Quality Change from Manure Application in the Semi-arid West	Davis,Jessica G Vigil,Merle	Soil & Crop Sciences USDA-CSRS-CGP-Competitive Grants Program	06/01/97- 05/31/00	96123301 \$278,249
Assessing Salinity/Alkalinity & Development of Salinity Best Management Practices	Davis,Jessica G	Soil & Crop Sciences USDA-CSRS-SARE-Sust Agri Res & Educ Prog	10/01/97- 12/31/99	96127101 \$23,413
FISH-Assisted, Directed Positional Cloning in Wheat	Lapitan,Nora Knudson,Dennis L	Soil & Crop Sciences USDA-CSRS-CGP-Competitive Grants Program	07/01/97- 06/30/00	96131301 \$332,890
Reducing Lagoon Odors with Algae	Davis,Jessica G	Soil & Crop Sciences National Pork Producers Council	07/01/97- 06/30/98	96133101 \$30,000
Testing New Tools for Enhanced Rural Growth Management	Eckert,Jerry	Agricultural & Resource Economics USDA-CSRS-CGP-Competitive Grants Program	06/01/97- 05/31/99	97006101 \$180,554
Biocontrol of Tomato Root Diseases in Inert Media	Basham,Charles W Brown,William M	Plant Pathology & Weed Science USDA-Agri. Experiment Station / Hatch	04/01/97- 03/31/98	96114701 \$28,265
Biology, Genetics, & Management of Herbicide - Resistant Kochia	Nissen,Scott	Plant Pathology & Weed Science Montana State University	06/01/97- 05/31/00	96123201 \$88,694
Functional Landscape Mapping of Clavibacter Michiganensis Subsp.sepedonicus	Ishimaru,Carol A Knudson,Dennis L	Plant Pathology & Weed Science USDA-CSRS-SRG-Special Research Grants	04/01/97- 03/31/98	97004401 \$56,680

College: Applied Human Sciences -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Colorado Organizing for Children, Youth & Families at Risk (CO-CYFAR)	Love,Cathleen T Carroll,Jan B	Dean of Applied Human Sciences USDA-CSRS-CGP-Competitive Grants Program	05/01/97- 04/30/98	96130101 \$150,000
Energy Expenditure & Fat Oxidation in Black Women	Melby,Christopher L	Food Science & Human Nutrition USDA-CSRS-CGP-Competitive Grants Program	09/01/97- 08/31/00	96123601 \$286,157
Technology & Career Connections: Partnering with Business & Industry	Kotsiopulos,Antigone Blaesi,Lavon F	Design, Merchand. & Consumer Science CCHE-Commission on Higher Education	07/01/97- 06/30/02	96113601 \$992,700
Student Support Services for Students with Learning Disabilities	Aragon,Geraldine J Ginsberg,Richard	School of Education US Department of Education	09/01/97- 08/31/02	96118501 \$1,887,633

College: Liberal Arts -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Modes of Inquiry - Development of a Schools-College Cooperation & Curriculum Reform Program	Pierce,James C Hoffert,Robert W	Dean of Liberal Arts DE-FIPSE-Fund Imp. of Post. Sec. Educ.	09/01/97- 08/31/00	96117101 \$302,780
Reciprocal Experiential Learning: A School-to-Career Curricula Grant	Crabtree,Loren W Raich,John C	Dean of Liberal Arts CCHE-Commission on Higher Education	12/01/96- 09/30/97	96118201 \$10,000
Colorado International Invitational Poster Exhibition	Frickman,Linda G	Art City of Fort Collins - Fort Fund	09/11/97- 10/24/97	96134001 \$5,000

College: Business -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Reengineering of Distance Education MBA	Clark,Jon D Switzer,Jamie	Business College CCHE-Commission on Higher Education	10/01/96- 09/30/01	96114101 \$862,751

College: Engineering -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Decision Support System for Modeling Water Quantity of Agricultural Drainage in Arid...	Garcia,Luis	Chemical & Bioresource Engineering NSF - Engineering Grant	10/01/97- 09/30/01	96114001 \$211,974
Design & Management of Irrigation & Drainage Systems for On-Farm Water Management	Garcia,Luis	Chemical & Bioresource Engineering DOS-AID-Agency for Inter. Development	01/01/97- 09/30/99	96123001 \$149,314
Future Strategies & Policy Reforms for Better On-Farm Management in Egypt	Oad,Ramchand Podmore, Terence H	Chemical & Bioresource Engineering USDA-CSRS-CGP-Competitive Grants Program	01/01/97- 12/31/99	96123401 \$164,489
Transition-metal Compatibilization of Immiscible Polymer-Polymer Blends	Belfiore,Laurence A	Chemical & Bioresource Engineering Petroleum Research Fund	06/01/96- 08/31/00	96134901 \$75,000
Validation Studies & Algorithm Refinement in Support of TRMM	Rutledge,Steven A Stephens,Graeme L	Atmospheric Science National Aeronautics & Space Admin.	09/01/97- 08/31/00	96116801 \$448,333
Analysis of the Diurnal Cycle of Precipitation & Its Relation to Cloud Forcing Using TRMM Products	Randall,David A Fowler,Laura Dorothy	Atmospheric Science National Aeronautics & Space Admin.	07/01/97- 06/30/00	96116901 \$358,418
Determination of the Horizontal Diffusion Coefficient for Use in Air Quality Models	Pielke,Roger A	Atmospheric Science AlphaTrac, Inc.	07/01/97- 06/30/98	96118102 \$46,874
Radiative Properties of Cloud-Processed Aerosols: Mixtures of Nonabsorbing & Carbonaceous Species	Kreidenweis,Sonia M Feingold,Graham	Atmospheric Science US Department of Energy	07/01/97- 06/30/99	96121901 \$179,649
PICASSO Satellite Mission	Stephens,Graeme L	Atmospheric Science NASA-Langley Research Center	04/01/98- 12/31/03	96131801 \$827,000
CloudSat Management Satellite Mission	Stephens,Graeme L	Atmospheric Science National Aeronautics & Space Admin.	04/01/98- 12/31/03	96133601 \$1,066,500
Significance of the Coriolis Force in the Flow of the Mississippi River	Julien,Pierre Y Eykholt,Richard E	Civil Engineering NSF - Engineering Grant	05/01/97- 05/01/00	96113401 \$227,632
Geomorphic & Hydraulic Evaluations of Natural Step-pool Channels	Abt,Steven R	Civil Engineering DOD-ARMY-Corps of Engineers	01/01/97- 09/30/98	96122201 \$26,642
Integrating Condition Indices, Performance Measures, & Quadrant Decision Processes	Abt,Steven R Thornton,Christopher	Civil Engineering DOD-ARMY-Corps of Engineers	01/15/97- 01/14/98	96124301 \$49,471
Internment - Tule Lake	Sunada,Daniel K	Civil Engineering Civil Liberties Public Education Fund	03/01/97- 06/30/98	96133201 \$51,255
CSU-CHILL Advanced Weather Radar Facility	Lile,Derek L Cox,Stephen K	Electrical Engineering CCHE-Commission on Higher Education	01/01/97- 01/01/02	96110301 \$504,000
Future Applications of Systems & Controls: An Integrated Approach to Research & Education	Young,Peter	Electrical Engineering NSF - Engineering Grant	05/01/97- 04/30/01	96113901 \$200,000
First Generation Microwave Sensor for Inspections of Thick Composite Joints	Zoughi,Reza	Electrical Engineering DOD-NAVY-Naval Surface Warfare Center	12/01/96- 02/28/97	96120501 \$32,554
Microwave Detection of Corrosion (rust) Under Paint & Composite Laminates	Zoughi,Reza	Electrical Engineering Texas Research Institute (NTIAC)	09/01/97- 02/28/98	96122901 \$23,299
Practical Soft X-ray Lasers Based on Discharge Excitation	Rocca,Jorge J G	Electrical Engineering NSF - Engineering Grant	09/01/97- 08/31/00	97002801 \$363,679
Engines Lab Center of Excellence	Willson,Bryan D	Mechanical Engineering CCHE-Commission on Higher Education	01/01/97- 12/31/01	96113501 \$659,000

College: Engineering -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Walking Robots in Secondary through Postgraduate Engineering	Peterson,Michael	Mechanical Engineering NSF - Engineering Grant	09/01/97- 08/30/01	96114601 \$192,000
Embedded Control & Communications for Product Life Cycle Monitoring of Highly Complex Devices	Troxell,Wade O	Mechanical Engineering CASI-Colorado Advanced Software Inst.	07/01/97- 06/30/98	96127001 \$58,953
CIRA Support to NASA Jet Propulsion Laboratory for the CloudSat Mission	Vonderhaar,Thomas H	CIRA National Aeronautics & Space Admin.	04/01/98- 06/30/03	96129601 \$1,886,910

College: Natural Resources -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Remote Sensing & Geographic Information Systems (GIS) Programs	Hoffer,Roger M	Forest Sciences CCHE-Commission on Higher Education	07/01/97- 06/30/02	96112001 \$976,763
Ecosystem Responses to Prolonged Drought Stress in the Shortgrass Steppe	Burke,Ingrid C Murphy,Kenneth Lee	Forest Sciences NSF-Biological Centers	01/01/97- 10/30/98	96112101 \$9,946
Nitrogen Retention in Semi-Arid Grasslands	Burke,Ingrid C Barrett,John E	Forest Sciences NSF-Biological Centers	01/01/97- 12/31/98	96112201 \$10,000
Plant Life Form Influence on Soil Organic Matter Dynamics: Dissertation Research	Burke,Ingrid C Gill,Richard A	Forest Sciences NSF-Biological Centers	05/01/97- 09/30/98	96113301 \$8,265
Integrated Training Area Management Operations & Environmental Support for U.S. Army Environmental Center	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	11/13/96- 11/12/97	96116701 \$98,664
Determinants of Carbon Allocation in Coniferous Forests	Smith,Frederick W	Forest Sciences USDA-CSRS-CGP-Competitive Grants Program	06/01/97- 05/30/00	96123501 \$362,121
Why Does Forest Growth Decline with Stand Age? An Experimental Test	Binkley,Daniel E	Forest Sciences University of Hawaii	06/01/97- 05/31/00	96128701 \$339,921
Ecosystem Significance of Soil as a Long Term Sink for Anthropogenic Additions of N	Burke,Ingrid C Maciel,Gary E	Forest Sciences University/Comm. College Sys. of Nevada	06/01/97- 05/31/00	96133501 \$912,079
Lab Analysis to Determine the Extent of Whirling Disease in Colorado	Flickinger,Stephen A	Fishery & Wildlife Biology Colorado Division of Wildlife	10/01/96- 06/30/97	96110501 \$11,000
Face to Face with Wildlife	Covich,Alan P	Fishery & Wildlife Biology Colorado Division of Wildlife	10/15/96- 06/30/97	96110601 \$37,313
Ecological Consequences of Water Management at Blue Mesa Reservoir, Colorado	Johnson,Brett M Stockwell,Jason D	Fishery & Wildlife Biology US Department of the Interior	12/01/96- 10/01/98	96119101 \$70,319
Biotic Control of Detrital Processing in Hawaiian Streams	Covich,Alan P	Fishery & Wildlife Biology NSF-Biological Centers	07/01/97- 06/30/00	96131701 \$212,097
Long-term Consequences of N Stress on Recovery of Rangelands & Abandoned Croplands	Redente,Edward F Paschke,Mark W	Rangeland Ecosystem Science USDA-CSRS-Coop. States Research Service	09/01/97- 08/31/00	96121801 \$382,723
Effect of UV-B Radiation on Growth & Symbioses in Actinorhizal Shrubs	Paschke,Mark W	Rangeland Ecosystem Science USDA-CSRS-CGP-Competitive Grants Program	09/01/97- 08/31/00	96123701 \$227,421
Erosion & Sedimentation in Virgin Islands National Park	Macdonald,Lee H	Earth Resources US Department of the Interior	02/01/97- 07/31/98	96122001 \$50,000
Flow Resistance of Large Woody Debris in Headwater Streams	Wohl,Ellen E	Earth Resources Nat. Council for Air/Stream Improvement	05/31/97- 11/01/99	96124201 \$70,432
Dating Ancient Earthquakes Using Argon Geochronometry in Neogene to Precambrian Fault Zones	Magloughlin,Jerry F	Earth Resources NSF-GEO-Geosciences	07/01/97- 06/30/99	96126801 \$75,392
Chemical Weathering in Basalt Bedrock Channels	Wohl,Ellen E Sutton,Sally J	Earth Resources NSF-GEO-Geosciences	06/01/97- 09/01/99	96126901 \$96,552
Abiotic Controls of Nematode Activity & Survival in Antarctic Dry Valley Soils	Freckman,Diana Treonis,Amy	Natural Resource Ecology Lab NSF-Biological Centers	02/01/97- 01/31/98	96114501 \$10,000
Impact of Doubling CO2 Concentration on CO2 & N2O Exchange in the Colorado Shortgrass Steppe	Parton,William J Mosier,Arvin R	Natural Resource Ecology Lab US Department of Energy	07/01/97- 06/30/00	96122101 \$303,758

College: Natural Resources -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Integrated Nitrogen Cycle Analysis of Land Use Practices in the United States & China	Ojima,Dennis	Natural Resource Ecology Lab UCAR-NCAR-Nat Ctr for Atmospheric Res	10/01/96- 09/30/97	96128401 \$37,305
Modeling Arizona Oak Savanna Responses to Climate, Grazing, Fire & Exotic Grasses	Coughenour,Michael B	Natural Resource Ecology Lab University of Arizona	06/01/97- 05/30/00	96128801 \$96,024
Development of Landscape Analysis & GIS Expertise to Predict Vegetation Dynamics at Ecotones	Coffin,Debra P	Natural Resource Ecology Lab National Science Foundation	01/01/98- 12/31/98	96129701 \$58,207
Identifying Ecosystem Controls on Soil Biodiversity: A United States - U.K Project	Freckman,Diana	Natural Resource Ecology Lab NSF-Biological Centers	07/01/97- 06/30/01	96129801 \$1,983,622

College: Natural Sciences -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
CYCI Chromatin Structure: Positioned Nucleosome or Paused Polymerase	Laybourn,Paul J	Biochemistry & Molecular Biology American Cancer Society, Inc.	07/01/97- 06/30/00	96114201 \$279,231
CCHE Programs of Excellence in Biochemistry & Molecular Biology	Curthoys,Norman P	Biochemistry & Molecular Biology CCHE-Commission on Higher Education	07/01/97- 06/30/02	96118701 \$1,000,000
Active Site & Mechanism of RNA Polymerase	Woody,A-Young M Woody,Robert W	Biochemistry & Molecular Biology HHS-PHS-Cellular & Molecular / Research	07/01/97- 06/30/01	96118901 \$973,846
Actin Dynamics & Neuronal Resistance to Ischemia	Bernstein,Barbara W	Biochemistry & Molecular Biology American Heart Association	07/01/97- 06/30/98	96126001 \$25,000
Actin Regulating Proteins & Actin Dynamics: Effects on Excitotoxicity	Bamburg,James R Meberg,Peter	Biochemistry & Molecular Biology American Heart Association	07/01/97- 06/30/98	96126201 \$30,585
Reaction Center Dynamics	Schenck,Craig C Levinger,Nancy E	Biochemistry & Molecular Biology USDA-CSRS-CGP-Competitive Grants Program	06/01/97- 05/31/01	96133001 \$588,813
Actin Dynamics & Presynaptic Remodeling	Bernstein,Barbara W	Biochemistry & Molecular Biology McKnight Foundation	07/01/97- 06/30/99	97002301 \$150,000
Mechanistic & Synthetic Studies of Dioxiranes	Shi,Yian	Chemistry NSF-MPS-Mathematical & Physical Sciences	07/01/97- 06/30/02	96114801 \$495,179
Luminescent Materials Based on Rare Earth Doped Semiconductor Nanoclusters	Kelley,David F	Chemistry DOD-NAVY-ONR-Office of Naval Research	01/01/97- 12/31/00	96117001 \$516,333
Developing New Catalysts for Asymmetric Epoxidation of Olefins	Shi,Yian	Chemistry Hoechst Celanese Corp	01/01/97- 12/31/97	96121701 \$88,650
Geochemistry of Arsenic & Vanadium in Hydrothermally-influenced Surface Waters & Sediments	Crans,Debbie C	Chemistry NSF-MPS-Mathematical & Physical Sciences	07/01/97- 06/30/00	96126101 \$222,930
NMR Studies of Modified Carbon Blacks	Maciel,Gary E	Chemistry Cabot Power Corporation	01/01/97- 06/30/97	96133301 \$21,750
Solvation Dynamics in Restricted Geometries: Motion of Polar Solvent Molecules in Reverse Micelles	Levinger,Nancy E	Chemistry NSF - Engineering Grant	07/01/97- 06/30/00	96134401 \$385,240
Solvation & Electron Transfer Dynamics in Reverse Micelles	Levinger,Nancy E	Chemistry American Chemical Society	08/01/97- 08/31/00	96135001 \$75,000
Surface Reactivity of Radicals during Plasma Surface Modification of Polymers	Fisher,Ellen R	Chemistry NSF-MPS-Mathematical & Physical Sciences	07/01/97- 06/30/00	96135301 \$423,998
Exploiting Problem Structure in Scheduling	Howe,Adele Whitley,L Darrell	Computer Science DOD-ARPA-Advanced Research Proj. Agency	01/01/97- 12/31/99	96110401 \$390,408
Computer Vision as a Control & Integration Problem	Draper,Bruce	Computer Science NSF-CISE-Computer & Info Sci & Engin	08/15/97- 08/14/02	96113801 \$270,808
Evaluation of Multithreading & Message Passing on Networks of Workstations	Bohm,Anton Pedro W	Computer Science DOD-ARPA-Advanced Research Proj. Agency	06/01/97- 05/31/00	96120301 \$98,813
Evaluation of Multithreaded Execution for Grand Challenge Applications	Najjar,Walid A	Computer Science DOD-ARPA-Advanced Research Proj. Agency	06/01/97- 05/31/00	96120401 \$98,813
Software Development Support for Large Scale Structured Scientific Application on Distributed-Memory Machines	Gupta,Sandeep K	Computer Science NSF-Biological Centers	08/15/97- 08/14/02	96120601 \$282,960

College: Natural Sciences -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Automated Velocity Picking: A Computer Vision & Optimization Approach	Whitley,L Darrell Beveridge,J Ross	Computer Science CASI-Colorado Advanced Software Inst.	08/15/97- 08/14/99	96123801 \$119,589
Evaluating Performance & Usability of Program Analysis Techniques for Software Maintenance	Vonmayrhauser,A	Computer Science Wayne State University	08/15/97- 08/14/00	96124001 \$158,736
MODELING 2000 - Research of Efficient Use of Next Generation High Performance Computers	Gupta,Sandeep K	Computer Science UCAR-NCAR-Nat Ctr for Atmospheric Res	06/01/97- 05/31/00	96125801 \$208,951
Wearable Untethered Smart Terminals	Najjar,Walid A	Computer Science DOD-ARPA-Advanced Research Proj. Agency	07/01/97- 06/30/00	96125901 \$822,583
Modeling Student Pilots for Intelligent Training	Anderson,Charles Draper,Bruce	Computer Science CASI-Colorado Advanced Software Inst.	08/01/97- 07/31/98	96129201 \$34,048
Semi-automated Boundary Tracing of Medical Images for 3-D Model Development	Anderson,Charles	Computer Science CASI-Colorado Advanced Software Inst.	08/01/97- 07/31/98	96129301 \$34,411
Dynamics of Nonsmooth Systems	Chin,Wai	Mathematics NSF-MPS-Mathematical & Physical Sciences	06/01/97- 05/31/02	96114901 \$200,986
Multi-Dimensional Assignment Techniques for Mobile Target Engagement	Poore,Aubrey B	Mathematics DOD-USAF-Air Force	02/01/97- 01/31/02	96119201 \$675,000
Numerical Continuation for Large Structured Systems	Allgower,Eugene L Georg,Kurt	Mathematics NSF-MPS-Mathematical & Physical Sciences	07/01/97- 06/30/00	96129501 \$302,578
Scanning Probe Microscopy of Superconducting Systems	Field,Stuart	Physics NSF-MPS-Mathematical & Physical Sciences	05/01/97- 04/30/00	96112301 \$548,653
High Energy Cosmic Ray Studies & CP Violation in the B-Quark System	Harton,John	Physics NSF-MPS-Mathematical & Physical Sciences	04/15/97- 04/14/02	96113201 \$493,210
Microwave Magnetic Envelope Solitons in Thin Films	Patton,Carl E Kabos,Pavel	Physics NSF-MPS-Mathematical & Physical Sciences	06/01/97- 05/31/00	96115001 \$316,866
Theory of Electromigration-induced Degradation & Failure of Fine Metal Lines	Bradley,Richard M	Physics NSF-MPS-Mathematical & Physical Sciences	05/01/97- 04/30/00	96120701 \$193,497
Measurement of the Magnetically-induced Quantum Electrodynamics Birefringence of the Vacuum	Lee,Siu Au Fairbank,William M J	Physics NSF-MPS-Mathematical & Physical Sciences	08/01/97- 07/31/00	96122301 \$681,746
Scanning Probe Microscopy of Superconducting Systems	Field,Stuart	Physics US Department of Energy	06/01/97- 05/31/00	96134501 \$548,653
Microwave Absorption Properties of Ferrite Materials for High Power Limiter Applications	Patton,Carl E Green,Jerome J	Physics DOD-ARMY-ARO-Army Research Office	07/01/97- 06/30/00	96134801 \$370,659
Research in Experimental Elementary Particle Physics	Harton,John	Physics US Department of Energy	04/15/97- 04/14/00	97002101 \$278,277
Downsizing & Survivor Creativity	James,Keith	Psychology Lehigh University	03/01/97- 08/30/00	96116401 \$58,847
Host Adaptation in a Parasitoid Wasp: Dissertation Research	Antolin,Michael F Vaughn,Ty T	Biology NSF-Biological Centers	04/01/97- 04/01/98	96113701 \$4,000
Consequences of Landscape Heterogeneity on Animal Movements: Empirical Determination of the Effects...	Wiens,John A McIntyre,Nancy E	Biology NSF-Biological Centers	04/01/97- 09/01/98	96114301 \$8,720

College: Natural Sciences -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Apoptosis-like Programmed Cell Death & Sustained Calcium Influx in Synegrid Cells	Chaubal,Rajendra Bedinger,Patricia A	Biology USDA-CSRS-CGP-Competitive Grants Program	06/01/97- 05/31/99	96131401 \$153,818
Analysis of Plant U1 snRNP 70K Protein Function in Basic & Alternative Splicing	Reddy,A	Biology USDA-CSRS-CGP-Competitive Grants Program	07/01/97- 06/30/00	96131601 \$257,826
Animal Culture - Vocal Signal Function	Baker,Myron C	Biology National Science Foundation	08/01/97- 07/31/00	96133401 \$133,598
Genetic Analysis of Pollen Extensin Genes	Bedinger,Patricia A	Biology USDA-CSRS-CGP-Competitive Grants Program	06/01/97- 05/31/99	97002601 \$157,147
Use of Transgenic Plants & Pollen to Study Pollen Extensins	Bedinger,Patricia A	Biology National Science Foundation	06/01/97- 05/31/98	97004301 \$49,986

College: Veterinary Medicine & Biomedical Sciences -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Professional Veterinary Medicine	Voss,James L	Dean of Veterinary Medicine CCHE-Commission on Higher Education	07/01/97- 06/30/02	96113101 \$846,972
Regulation of Proximal Gastrointestinal Tract	Barber,William D	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neuroscience	07/01/97- 06/30/02	96118801 \$960,973
Synaptic Reorganization After Cerebral Ischemia	Dudek,F Edward	Anatomy & Neurobiology American Heart Association	07/01/97- 06/30/98	96126301 \$57,518
Synaptic Interactions in the Nucleus of the Solitary Tract	Barber,William D	Anatomy & Neurobiology American Heart Association	07/01/97- 06/30/99	96126401 \$59,994
Molecular Mechanism of Negative Modulation of AMPA Receptors by 2,3-Benzodiazepine	Partin,Kathryn M	Anatomy & Neurobiology American Heart Association	07/01/97- 06/30/98	96126501 \$24,999
Role of the CzA Domain of Synaptotagmin in Neurotransmitter Release	Reist,Noreen E	Anatomy & Neurobiology American Heart Association	07/01/97- 06/30/98	96126601 \$25,000
Electrophysiology of GnRH/NonGnRH Neurons	Dudek,F Edward Suter,Kelly J	Anatomy & Neurobiology HHS-NRSA-Nat. Research Service Award	04/01/97- 04/01/00	96129401 \$22,608
NMDA & non-NMDA Receptors: A Search for a Common Allosteric Pathway to the Pore	Partin,Kathryn M	Anatomy & Neurobiology McKnight Foundation	07/01/97- 06/30/00	97002201 \$150,000
Mechanisms of Transplacental Lentivirus Transmission	Hoover,Edward A Rogers,Arlin B	Pathology HHS-NRSA-Nat. Research Service Award	07/01/97- 06/30/00	96128901 \$97,500
Nutritional Enhancement of Cat Immune Responses to Vaccination	Callahan,Gerald N	Pathology Robert H. Winn Foundation	04/01/97- 03/30/98	96130201 \$14,942
Development of an Assay for Multiple Feline Cytokines	Hoover,Edward A	Pathology Robert H. Winn Foundation	05/01/97- 04/30/98	96130501 \$7,850
Immunity Induced by Virulent Lentiviruses in Cats	Vandewoude,Sue	Pathology HHS-PHS-Public Health Services	07/01/97- 06/30/02	97002001 \$507,500
Cardiopulmonary Consequences of Long-term Hypersynchronous Neurological Activity in Epileptic Rats	Tucker,Alan	Physiology American Heart Association	07/01/97- 06/30/99	96127201 \$60,000
GnRH Analog Toxins: Use for Gonadal Inhibition	Nett,Torrance M	Physiology Gonex, Inc.	07/01/97- 06/30/98	96128201 \$41,000
Delivery of Therapeutic Proteins to Dogs by Intramuscular Injection of Plasmid DNA	Bowen,Richard A	Physiology Robert H. Winn Foundation	05/01/97- 04/30/98	96130601 \$13,034
Methods to Enhance Viability of Cooled Stallion Sperm	Squires,Edward L	Physiology AQHA-American Quarter Horse Assoc.	10/01/97- 09/30/98	96134701 \$19,958
Cytogenetics of Feline Vaccine-Associate Sarcomas for Prevention, Prediction, & Treatment Interv...	LaRue,Susan M	Radiological Health Sciences Robert H. Winn Foundation	03/01/97- 02/28/98	96130001 \$15,000
Mass Balance & Cycling of Atmospherically Transported Radionuclides in Alpine Lake & Stream Eco...	Rowan,David J Whicker,Floyd W	Radiological Health Sciences NSF-Biological Centers	09/01/97- 09/01/01	96131901 \$432,360
Use of Comparative Genomic Hybridization as a Diagnostic Test for Collie Eye Anomaly	Drabek,Russell R	Radiological Health Sciences Collie Club of America Foundation	04/01/97- 03/31/98	96133701 \$11,225
Determining Significant Endpoints for Risk Analysis	Bedford,Joel S Whicker,Floyd W	Radiological Health Sciences University of Georgia	01/01/97- 12/31/99	97002501 \$399,180

College: Veterinary Medicine & Biomedical Sciences -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Identification of Geographic Areas	Nuckols,John R	Environmental Health Hagler Bailly Consulting, Inc.	01/01/97- 12/31/97	96119001 \$60,145
Geographical Information Management System for Control of Schistosomiasis in a Lake Endemic Area of P.R.C.	Nuckols,John R	Environmental Health WHO-World Health Organization	06/01/97- 05/31/00	96129001 \$177,785
Predictive Models for AIDS Combination Therapy	Yang,Raymond S H	Environmental Health HHS-NIH-NCI-National Cancer Institute	10/01/97- 09/30/01	96135101 \$1,517,860
Diagnosis of MAC (Mycobacterium Avium Disease by Detection of Cell Wall Components	Chatterjee,Delphi McNeil,Michael R	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	06/01/97- 05/31/01	96118601 \$1,075,852
Rhipicephalus Turanicus: Species Complex & Vectorial Competence	Black,William C IV	Microbiology U.S.-Israel Binational Science Found.	09/01/97- 08/31/00	96120801 \$100,000
Conversion of Spent Brewing Grain & Corn Fiber to Fuel Ethanol & Enhanced Livestock Feed	Linden,James C Henk,Linda Lou	Microbiology USDA-CSRS-CGP-Competitive Grants Program	01/01/97- 12/31/00	96131201 \$557,364
Molecular Definition of M. avium Colony Morphotypes	Inamine,Julia M Belisle,John T	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	09/01/97- 08/31/02	96135201 \$1,246,375
Immunopathogenesis of Mycobacterium Avium Disease	Cooper,Andrea M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	07/01/97- 06/30/02	97002401 \$1,364,303
Determination & Risk Factors Associated with Canine Anesthesia	Gaynor,James S	Clinical Sciences American Kennel Club	01/01/97- 12/31/97	96114401 \$27,500
Articular Cartilage Autograft Transplantation	Turner,Anthony Simon	Clinical Sciences Sulzer Innotec, Winterthur, Switzerland	11/01/96- 07/31/96	96119401 \$21,259
Interactions of Type XI Collagen & Glycosaminoglycans	Oxford,Julia R T	Clinical Sciences HHS-PHS-Public Health Services	07/01/97- 06/30/02	96119501 \$504,396
Tibial Condylar Angles & Their Association with Cranial Cruciate Ligament Injuries in Dogs	Schwarz,Peter D Huber,Douglas James	Clinical Sciences Veterinary Orthopedic Society	05/01/97- 04/30/98	96127301 \$4,645
A Biomechanical Evaluation of the Fixator Pin-connecting Bar Junction of Kirschner-Ehmer & Acrylic External...	Egger,Erick L Huber,Douglas James	Clinical Sciences American College of Veterinary Surgeons	04/01/97- 03/31/98	96127401 \$8,460
Effect of Metoprolol on Cardiac Efficiency in a Canine Chronic Model of Congestive Heart Failure	Monnet,Eric Gaynor,James S	Clinical Sciences American Heart Association	07/01/97- 06/30/98	96127501 \$24,957
Evaluation of Intracavitary Slow Release Paclitaxel Chemotherapy in a Rodent Model for Mammary Carcinoma	Kuntz,Charles A Dernell,William S	Clinical Sciences Robert H. Winn Foundation	06/01/97- 05/31/98	96129901 \$14,670
Isolation & Characterization of Naturally Occurring Feline Ehrlichiosis	Lappin,Michael R	Clinical Sciences Robert H. Winn Foundation	03/01/97- 02/28/98	96130301 \$14,513
Transplacental & Lactational Transmission of Toxoplasma Gondii in Cats & Effect on Development...	Lappin,Michael R	Clinical Sciences Robert H. Winn Foundation	03/01/97- 02/28/98	96130401 \$15,000
Structural Determination of the Amino Terminal Domain of Type XI Collagen	Oxford,Julia R T	Clinical Sciences NSF-Biological Centers	07/01/97- 12/31/98	96133801 \$18,000
In Vivo Postvaccinal Reaction & Gas Chromatographic Evaluation of New Combined Feline Vaccines	Macy,Dennis W	Clinical Sciences Rhône Merieux, Inc.	01/01/97- 12/31/97	96134201 \$7,656

College: Other -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
EAWT Group 21 - Israel	Niehaus,Merle H	International Research & Development CID-Consortium for Inter. Development	10/01/96- 12/31/96	96117201 \$6,467
Best Management Practices for Using Swine Effluent in the Central Great Plains	Al-Kaisi,Mahdi M	Cooperative Extension USDA-CSRS-SARE-Sust Agri Res & Educ Prog	04/01/97- 12/30/99	96118401 \$198,847
Enhancement of Holistic Resource Management Via Application of GIS to Improve Decision Making Systems	Cotton,Scott E Moore,Janet	Cooperative Extension USDA-CSRS-SARE-Sust Agri Res & Educ Prog	10/01/97- 09/30/99	96120901 \$87,050
Water Quality - Nonpoint Source Pollution Forum	Antonio,Richard W	Cooperative Extension State of Colorado	01/02/97- 12/30/97	96122401 \$20,950
Electronic Communications Bootcamps for Agricultural Professionals	Cotton,Scott E Tranel,Jeffrey E	Cooperative Extension USDA-CSRS-SARE-Sust Agri Res & Educ Prog	10/01/97- 10/01/99	96131501 \$58,358
Exterior Rehabilitation of Veterinary Science Annex	Keiss,Stephen C	Facilities Management Colo. Dept Higher Educ-Historical Society	06/01/97- 06/01/98	96123901 \$167,000
Sexual Assault Prevention through Peer Education: Secondary & Post Secondary Model	Carrothers,Ruth	Women's Program Colorado Coalition Against Sexual Assault	01/01/97- 06/30/98	97002701 \$83,528
Student Support Services	Aragon,Geraldine J	Academic Advancement Center DE-Student Support Services	09/01/97- 08/31/02	96119301 \$1,501,926

Section III

Awards Received for Current Quarter

College: Agricultural Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/97	6751 \$1,500
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/97	6751 \$2,750
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/97	6751 \$500
Nitrogen Management Under Conservation Tillage in a Furrow-Irrigated Cropping System of Corn & Wheat	Pearson, Calvin H	Western Slope - Fruita Centro Intern. De Agricultura Tropical	10/09/94- 07/01/97	2203 \$10,000
Agronomic Research in Western Colorado	Pearson, Calvin H	Western Slope - Fruita Various "Non-Profit" Sponsors	07/01/91- 06/30/97	6667 \$1,000
Agronomic Research in Western Colorado	Pearson, Calvin H	Western Slope - Fruita Various "Non-Profit" Sponsors	07/01/91- 06/30/97	6667 \$1,750
Southwest Colorado Research Center Outreach	Berrada, Abdelfettah	South Western Colorado Ag. Res. Ctr. Various "Non-Profit" Sponsors	01/18/96- 01/18/98	5060 \$500
South Western Colorado Crop Research	Sommers, Lee E Berrada, Abdelfettah	South Western Colorado Ag. Res. Ctr. Colorado Dry Bean Advisory Board	11/01/92- 12/31/97	5253 \$3,500
Evaluation of the Acid-buffering Capacity & Metal Mobility of Southwest San Luis Valley...	Cardon, Grant E Kelly, Eugene F	Soil & Crop Sciences Colorado Dept Public Health & Environ	10/01/95- 12/31/97	0890 \$16,766
DNA Markers for Marker-Assisted Breeding of Fusarium Head Blight Resistant Six-Rowed Barley...	Lapitan, Nora	Soil & Crop Sciences Oregon State University	09/18/96- 07/31/97	1314 \$32,823
Gene Organization in Barley	Lapitan, Nora Knudson, Dennis L	Soil & Crop Sciences USDA-CSRS-CGP-Competitive Grants Program	10/15/96- 10/31/99	1355 \$233,831
Partitioning of Ecosystem Respiration & Vectors of Water Loss: An Analysis Using S13C...	Kelly, Eugene F Sulzman, Elizabeth W	Soil & Crop Sciences National Aeronautics & Space Admin.	09/01/96- 08/31/97	1930 \$22,000
Bean Breeding Program	Brick, Mark A	Soil & Crop Sciences Colorado Dry Bean Advisory Board	11/01/92- 12/31/97	5254 \$4,500
Validating Alternative Manure Management Systems	Waskom, Reagan M Dalsted, Norman L	Soil & Crop Sciences American Farm Bureau Research Foundation	02/01/95- 02/02/97	5410 \$500
Bean Testing Project	Shanahan, John	Soil & Crop Sciences Colorado Dry Bean Advisory Board	06/01/92- 12/31/97	5648 \$3,750
Application of Sewage Sludge to Dryland Wheat	Barbarick, Kenneth A	Soil & Crop Sciences City of Littleton	01/01/97- 12/31/97	5677 \$62,410
Soil Fertility Studies	Westfall, Dwayne G	Soil & Crop Sciences Various "For Profit" Sponsors	04/01/91- 06/30/98	6642 \$1,000
Determination of Rhizobial Abundance on Alfalfa Seed	Doxtader, Kenneth G	Soil & Crop Sciences Various "For Profit" Sponsors	06/01/92- 06/30/97	6746 \$205
Sugarbeet Production Research	Sommers, Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8022 \$5,793
Water Management Research	Sommers, Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8027 \$18,700

College: Agricultural Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Great Plains Resources Management Research	Sommers, Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8028 \$14,654
Great Plains Systems Research Unit	Sommers, Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8029 \$33,644
Collection of Microbiological Samples from Dairy Cows	Sofos, John N Smith, Gary C	Animal Sciences Nat'l Cattlemen's Beef Association	07/01/96- 12/31/97	5132 \$18,038
Colorado Sheep & Wool Board	Levalley, Stephen B	Animal Sciences Colorado Wool Growers	07/01/96- 12/31/97	5134 \$4,000
International Phase of the Domestic & International Shelf-life Strategic Alliance	Belk, Keith Tatum, Joseph D	Animal Sciences U.S. Meat Export Federation	02/01/96- 06/30/97	5135 \$25,385
Choice Testing to Determine the Aversiveness of Husbandry Procedures	Grandin, Temple Ames, David R	Animal Sciences Regina B Frankenberg Foundation	01/01/95- 06/30/98	5400 \$20,000
Development of a Genetic Prediction System for Red Meat Yield Using Visual Muscle Scor...	Green, Ronnie D	Animal Sciences North American Limousin Foundation	12/01/96- 06/30/97	5429 \$1,200
Effect of Avail - Trace Mineral Amino Acid Complex on Incoming Cattle & Immune Function	Stanton, Tim L	Animal Sciences Zinpro Corporation	11/01/96- 12/31/98	6222 \$21,165
Coping with Prolonged & Severe Drought in the Rio Grande River Basin	Frasier, Marshall Young, Robert A	Agricultural & Resource Economics New Mexico State University	09/01/96- 08/31/98	2901 \$28,852
Services of Kyu-Hee (Dameon) Lee - Interpreting for the National Agricultural Coop. Fed.	Gray, Sanford L	Agricultural & Resource Economics The Economics Institute	05/20/96- 12/31/97	5090 \$245
Greenhouse Renovation for Transgenic Plant Research	Stushnoff, Cecil Herbers, Joan M	Horticulture & Landscape Arch NSF-Sci/Tech Ctr/STI Sci/Tech Infra Ctr	12/01/96- 02/28/98	3130 \$120,000
Plant Germplasm Research - Roos	Wallner, Stephen J	Horticulture & Landscape Arch USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8024 \$11,242
Field Evaluation of Barley Germplasm for Reaction to Barley Stripe Rust	Brown, William M Jr	Plant Pathology & Weed Science USDA-ARS-Agricultural Research Service	06/01/96- 05/31/01	2067 \$15,000
Cooperative Agricultural Pest Survey	Brown, William M Bjostad, Louis B	Plant Pathology & Weed Science USDA-APHIS-Ag & Plant Health Insp Srv	10/01/96- 09/30/97	2144 \$4,400
Cooperative Agricultural Pest Survey	Brown, William M Bjostad, Louis B	Plant Pathology & Weed Science USDA-APHIS-Ag & Plant Health Insp Srv	10/01/96- 09/30/97	2147 \$37,600
Vegetable Disease Management - Environmental Monitoring	Schwartz, Howard F	Plant Pathology & Weed Science Various "Non-Profit" Sponsors	05/01/90- 12/31/97	6628 \$1,250
Vegetable Disease Management - Environmental Monitoring	Schwartz, Howard F	Plant Pathology & Weed Science Various "Non-Profit" Sponsors	05/01/90- 12/31/97	6628 \$726
Water Management Research	Westra, Philip	Plant Pathology & Weed Science USDA-ARS-Agricultural Research Service	10/01/96- 02/28/97	8026 \$11,613
Cooperative Agricultural Pest Survey - 1997	Bjostad, Louis B	Bioagricultural Sci/Pest Management USDA-APHIS-Ag & Plant Health Insp Srv	10/01/96- 09/30/97	2141 \$32,300
Cooperative Agricultural Pest Survey	Bjostad, Louis B	Bioagricultural Sci/Pest Management USDA-APHIS-Ag & Plant Health Insp Srv	10/01/96- 09/30/97	2143 \$8,000

College: Agricultural Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Cooperative Agricultural Pest Survey	Bjostad,Louis B	Bioagricultural Sci/Pest Management USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2145 \$22,713
Grasshopper Common Dataset (CAPS 1997)	Holtzer,Thomas O	Bioagricultural Sci/Pest Management USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2146 \$13,250
Cooperative Agricultural Pest Survey	Bjostad,Louis B	Bioagricultural Sci/Pest Management USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2148 \$9,400
Nestmate Recognition in Honeybees: Collaborative Research on Behavioral & Chemical Aspects.	Bjostad,Louis B Hibbard,Bruce E	Bioagricultural Sci/Pest Management NSF-Biological Centers	12/01/94- 11/30/97	3035 \$36,994
Mosquito Genomics Database	Knudson,Dennis L	Entomology University of California	11/01/94- 10/31/97	5058 \$5,572
Semiochemicals as Insecticide Baits	Bjostad,Louis B	Entomology E.I. Dupont Company	01/01/94- 12/31/99	6014 \$30,000

College: Applied Human Sciences -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Changes in Fruit & Vegetable Consumption of Elementary School Students	Auld,Garry W	Food Science & Human Nutrition Colorado Dept Public Health & Environ	10/01/96- 09/30/97	0999 \$44,028
Establish a Colorado Nutrition Network	Anderson,Jennifer E	Food Science & Human Nutrition USDA-FNS-Food & Nutrition Service	09/30/96- 03/31/99	2089 \$199,961
Employment Retention Project	Sample,Pat L	Occupational Therapy Colorado Division of Rehabilitation	10/01/96- 12/31/96	0982 \$22,343
Training Grant - Workshop & Education Materials Development	Grady,Ann P	Occupational Therapy University of Colorado Health Sci Ctr	07/01/96- 06/30/97	4009 \$26,717
Bridges to Productive Adult Outcomes (Bridges)	Schelly,Catherine L Kothe,Julia M	Occupational Therapy DE-Special Projects & Demonstr./Voc Rehab	10/01/96- 09/30/97	4213 \$189,959
Enhanced Employment Opportunities Grant/ Community Integrated Employment	Schelly,Catherine L	Occupational Therapy Foothills Gateway Rehabilitation Center	07/01/96- 06/30/97	5108 \$173,968
Facility & Site Evaluation Services to Salida School District	Dunn,G Richard	Manufacturing Tech & Constrtn Mgmt Salida School District R-32-J	12/01/96- 12/01/97	5140 \$9,868
Paso Del Norte Air Quality Project	Wolff,Birgit H Bohren,Lenora	Manufacturing Tech & Constrtn Mgmt El Paso Community Foundation (Texas)	11/01/96- 06/30/97	5425 \$42,700
National Center for Vehicle Emissions Control & Safety Grant	Wolff,Birgit H Sutton,John R	Manufacturing Tech & Constrtn Mgmt Environmental Protection Agency	09/01/94- 08/31/97	5840 \$50,000
Willingness to Pay Survey - California - Survey to Analyze Vehicle Emissions	Wolff,Birgit H Bohren,Lenora	Manufacturing Tech & Constrtn Mgmt New Mexico State University	06/15/96- 06/15/97	5926 \$37,000
UPS Training - Package Handling	Johnson,Russell L	Manufacturing Tech & Constrtn Mgmt State of Kansas	09/01/96- 12/31/96	9713 \$1,395
Animal Assisted Therapy & Activity Programs	Sheafor,Bradford W	Social Work Dr. Scholl Foundation	01/01/97- 12/31/97	5426 \$10,000
A Validity Study of the PLACE Assessment	Cobb,R Brian	School of Education CCHE-Commission on Higher Education	07/01/96- 06/30/97	0100 \$19,826
Colorado School to Work Initiative	Cobb,R Brian	School of Education Governors Office	10/01/96- 09/30/97	0983 \$173,796
Age Expansion of the Children's Motivation/Interest Questionnaire	Morgan,George A	School of Education University of Colorado Health Sci Ctr	10/01/96- 09/30/97	0984 \$4,970
Transition System Project	Cobb,R Brian Thomson,Alexander	School of Education Colorado Department of Education	10/01/96- 06/30/97	0985 \$81,014
Transition to Adulthood Systems Change Project	Lehmann,Jean P	School of Education Black Hills Spec. Svcs. Coop of S Dakota	06/01/96- 09/30/97	4001 \$20,000
Research on Student Participation in Transition Planning	Lehmann,Jean P Spencer,Karen Clark	School of Education University of Colorado	09/15/96- 09/01/97	4002 \$64,682
National Transition Network Project	Cobb,R Brian	School of Education University of Minnesota	10/01/96- 09/30/97	4008 \$40,878

College: Business -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Leadership Training Institute Program - Stage II	Kaman, Vicki S	Inst. for Transportation Management Colorado Department of Transportation	10/08/96- 06/30/97	0969 \$33,887
Teen Institute & Communication Campaign for Adolescent Females	Kelly, Kathleen J	Marketing HHS-SAMHSA-CSAP-Ctr Substance Abuse Prvn	09/30/95- 11/30/97	4415 \$302,314

College: Engineering -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Colorado Alliance for Minority Participation (CO-AMP)	El-Hakim,Omnia I Stein,Fredrick M	Dean of Engineering NSF-EHR-Education & Human Resources	11/01/96- 10/31/97	3129 \$946,411
Stream Water Quality Modeling Technology Development	Garcia,Luis	Chemical & Bioresource Engineering DOI-Bureau of Reclamation	09/30/96- 09/30/97	1842 \$24,999
Upgrading Cropflex to Windows	Broner,Israel	Chemical & Bioresource Engineering USDA-Agricultural Conservation Program	06/03/96- 12/31/96	2075 \$5,000
Biodegradation of Propylene Glycol-based Mil-A-8243D Aircraft Deicer	Reardon,Kenneth F	Chemical & Bioresource Engineering DOD-USAF-Office of Scientific Research	06/05/96- 06/04/97	2311 \$3,195
Metabolic Manipulation of Taxus Sp. Cell Cultures for Taxane Production	Linden,James C	Chemical & Bioresource Engineering NSF-Biological Centers	12/15/96- 11/30/98	3135 \$121,135
Bioremediation Technology in the Engineering Curriculum	Reardon,Kenneth F Murphy,Vincent G	Chemical & Bioresource Engineering NSF - Engineering Grant	09/15/96- 08/31/98	3502 \$109,830
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 8)	Reardon,Kenneth F	Chemical & Bioresource Engineering HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7730 \$66,448
Water Management Research	Loftis,Jim C	Chemical & Bioresource Engineering USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8025 \$39,565
Homogeneous Freezing Nucleation at Upper Tropospheric Conditions	Kreidenweis,Sonia M Chen,Yalei	Atmospheric Science NASA-Goddard	09/01/96- 08/31/97	1901 \$22,000
Lidar In-Space Technology Experiment (LITE)	Randall,David A	Atmospheric Science NASA-Langley Research Center	10/20/96- 10/19/97	1902 \$60,001
A New Approach to the Remote Sensing Cirrus Cloud Parameters Using Sub-millimeter...	Stephens,Graeme L	Atmospheric Science NASA-Langley Research Center	05/08/96- 05/07/97	1926 \$12,300
A New Approach to the Remote Sensing Cirrus Cloud Parameters Using Sub-millimeter...	Stephens,Graeme L	Atmospheric Science NASA-Langley Research Center	05/08/96- 05/07/97	1926 \$6,295
Retrieval of Cirrus Cloud Microphysical & Radiative Properties from Multispectral MODIS Remote...	Stephens,Graeme L Drummond,Charles J	Atmospheric Science National Aeronautics & Space Admin.	09/01/96- 08/31/97	1933 \$22,000
Water Vapor in the Climate System	Stephens,Graeme L Vonderhaar,Thomas H	Atmospheric Science National Aeronautics & Space Admin.	11/01/96- 10/31/97	1935 \$300,000
Observational & Modeling Studies in Support of the Atlantic Stratocumulus Transition Experiment (ASTEX)	Cox,Stephen K	Atmospheric Science DOD-NAVY-ONR-Office of Naval Research	03/01/91- 09/30/98	2397 \$238,337
Dynamical Studies in Hurricane Intensity Change	Montgomery,Michael T	Atmospheric Science DOD-NAVY-ONR-Office of Naval Research	03/01/93- 12/31/97	2447 \$175,083
Dynamical Studies in Hurricane Intensity Change	Montgomery,Michael T	Atmospheric Science DOD-NAVY-ONR-Office of Naval Research	03/01/93- 12/31/97	2447 \$88,985
Center for Geosciences Phase II / Compression Waves	Vonderhaar,Thomas H Pielke,Roger A	Atmospheric Science DOD-ARMY-ARO-Army Research Office	09/30/94- 09/29/97	2537 \$57,683
Development & Testing of Physical Algorithms for Cloud Forecasting on the Mesoscale	Cotton,William R Stephens,Graeme L	Atmospheric Science DOD-USAF-Office of Scientific Research	01/15/95- 01/14/98	2541 \$95,077
CloudSat: Preparation of Step 2 Document	Stephens,Graeme L	Atmospheric Science Calif. Inst. of Tech/Jet Propulsion Lab	11/01/96- 12/31/96	2703 \$14,000

College: Engineering -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Clouds & Water Vapor in the Climate System: RPA & Satellites	Stephens,Graeme L	Atmospheric Science Harvard University	07/01/96- 06/30/97	2714 \$84,001
Global & Regional Modeling of the Atmospheric Hydrological Cycle Using Water Vapor Det...	Randall,David A	Atmospheric Science Calif. Inst. of Tech/Jet Propulsion Lab	11/18/96- 09/30/99	2715 \$35,600
Climate Analysis & Extended Range Seasonal Prediction	Gray,William M	Atmospheric Science NSF-GEO-Geosciences	11/15/94- 10/31/97	3032 \$147,857
Lake Ice Modeling & the Paleoenvironment of the Eastern Canadian Arctic Over the Last 21...	Pielke,Roger A Liston,Glen E	Atmospheric Science National Science Foundation	12/01/96- 11/30/98	3132 \$98,333
A Modeling & Remote Sensing Study of the Radiative Heating of Clouds in Support of ARM	Stephens,Graeme L Gabriel,Philip M	Atmospheric Science US Department of Energy	12/01/96- 11/30/97	3807 \$190,000
On the Fundamental Role of Day Versus Night Radiation Differences on the Diurnal...	Gray,William M	Atmospheric Science US Department of Energy	12/01/96- 11/30/97	3808 \$110,000
Development & Testing of an Aerosol Stratus Cloud Parameterization Scheme for Mid-...	Kreidenweis,Sonia M Cotton,William R	Atmospheric Science US Department of Energy	11/01/96- 10/31/97	3821 \$150,000
Use of ARM Data to Develop & Test Improved Cloud Parameterization for Use in Climate Models	Randall,David A	Atmospheric Science US Department of Energy	12/01/96- 11/30/97	3822 \$200,000
AMS Graduate Fellowship - Matthew Parker	Johnson,Richard H	Atmospheric Science American Meteorological Society	08/15/96- 08/14/97	5123 \$15,000
A Regional Assessment of Land Use Effect on Ecosystem Structure & Function in the Central Grasslands...	Pielke,Roger A	Atmospheric Science EPA-Environmental Education Grants	10/01/96- 09/30/99	5856 \$131,512
CCHE Space Center of Excellence	Sadeh,Willy Z	Civil Engineering University of Colorado	07/01/93- 06/30/97	0281 \$21,100
Methodologies for Design of Soil Covers for Waste Disposal Sites	Abt,Steven R	Civil Engineering Nuclear Regulatory Commission	11/21/96- 09/30/97	1002 \$99,483
Local Management of MPC Programs	Gutkowski,Richard M	Civil Engineering North Dakota State University	07/01/96- 06/30/97	1076 \$16,685
Acoustic Emission Monitoring for Non-Destructive Load Rating of Bridges	Peterson,Michael Gutkowski,Richard M	Civil Engineering North Dakota State University	07/01/96- 06/30/97	1077 \$21,896
Dynamic Load Impact Factors for Design of Low Volume Bridges	Peterson,Michael Gutkowski,Richard M	Civil Engineering North Dakota State University	07/01/96- 06/30/97	1079 \$9,000
Full-scale Laboratory Testing of a Tumble Trestle Railroad Bridge	Gutkowski,Richard M Peterson,Michael	Civil Engineering North Dakota State University	07/01/96- 06/30/97	1081 \$34,707
Railroad Bridge Strengthening Needs - Year 2	Gutkowski,Richard M	Civil Engineering North Dakota State University	07/01/96- 06/30/97	1082 \$37,529
Participation in TEL8 -- Satellite Based Two-way Interactive Telecommunications Network	Gutkowski,Richard M	Civil Engineering North Dakota State University	07/01/96- 06/30/97	1083 \$35,759
Flow Prediction for Crater Lake National Park	Salas,Jose D Sanders,Thomas G	Civil Engineering DOI-NPS-National Park Service	10/01/96- 03/31/97	1835 \$11,800
IPA for Dan Gessler to WES	Gessler,Daniel	Civil Engineering DOD-ARMY-Corps of Engineers	06/01/96- 11/30/97	2304 \$62,312

College: Engineering -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Application of Statistical Dynamical Water Balance Model to Regional Scale Integrated... Water Blend Basin Model	Ramirez,Jorge A	Civil Engineering Tulane University	07/01/96- 06/30/97	3915 \$69,995
Sediment at Westlake Lake	Abt,Steven R Brisbane,Thomas E	Civil Engineering Denver Water Department	04/10/96- 06/30/97	5073 \$18,861
Development of an Integrated System of Flow Forecasting for the Maule R. Basin, Chile	Diaz,Gustavo E Salas,Jose D	Civil Engineering Catholic University of Chile	11/15/96- 11/15/97	5730 \$63,906
GPSR - USDA/ARS Task Order for Dr. Ahuja & Dr. Dunn	Salas,Jose D	Civil Engineering USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8030 \$44,778
Integrated Model for Optimization of Water Allocations	Diaz,Gustavo E	Civil Engineering USDA-USFS-Rocky Mtn. Experiment Station	05/16/94- 03/01/99	8803 \$48,000
East Anatolia Watershed Rehabilitation Project - Group 25 / France	Julien,Pierre Y	Civil Engineering CID-Consortium for Inter. Development	10/08/96- 10/23/96	9221 \$7,275
XUV Optics	Rocca,Jorge J G	Electrical Engineering University of Colorado	07/01/96- 06/30/97	0016 \$2,500
Optoelectronics Administration	Wilmsen,Carl W	Electrical Engineering University of Colorado	07/01/96- 06/30/97	0959 \$2,500
Two-dimensional Parallel Read-out of Optical Tape	Mitkas,Pericles A	Electrical Engineering University of Colorado	07/01/96- 06/30/97	0965 \$15,000
Advanced Polarimetric Measurements & Analysis	Bringi,Viswanathan N Chandrasekar,V	Electrical Engineering DOD-USAF-Office of Scientific Research	02/01/95- 01/31/98	2540 \$64,071
Acoustic Sensing for Motion/Range Detection & Elasticity Perception	Azimi-Sadjadi,M R	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3407 \$39,904
New Image Compression Schemes for 3DTV	Azimi-Sadjadi,M R	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3410 \$23,395
A New Feature Based Compression Scheme for Stereo-Images	Chen,Wei (Tom)	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3412 \$26,605
Early Optoelectronics Motivation of Freshman Electrical Engineering Students & Sen...	Menoni,Carmen S	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3413 \$25,000
Performance Capabilities of Haptic Displays	Young,Peter	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3414 \$8,000
Performance Capabilities of Haptic Displays	Young,Peter	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3414 \$25,000
Implementation of Smart Displays Based on Eye Motion Tracking	Jayasumana,Anura	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3415 \$12,000
Implementation of Smart Displays Based on Eye Motion Tracking	Jayasumana,Anura	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3415 \$6,250
Student Support in the Area of Atmospheric Technology	Chandrasekar,V	Electrical Engineering UCAR-NCAR-COMET Atmospheric Tech. Divis.	08/01/96- 01/31/97	3416 \$9,000

College: Engineering -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Optical Storage & Processing	Mitkas,Pericles A	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3488 \$5,000
Optoelectronics REU	Wilmsen,Carl W	Electrical Engineering University of Colorado	05/01/96- 08/31/96	3490 \$4,820
Microwave Detection of Exposed & Covered Surface Breaking Cracks in Steel Bridges	Zoughi,Reza Ganchev,Stoyan	Electrical Engineering Virginia Transportation Research Council	11/01/96- 10/31/98	5133 \$61,150
Software for Integrated Network Communications Architecture	Jayasumana,Anura	Electrical Engineering Mitech Corporation	10/01/96- 09/30/97	6214 \$62,000
Energy Analysis & Diagnostic Center - Industrial Assessment Center	Edwards,Harry W	Mechanical Engineering University City Science Center	10/01/92- 03/31/97	3905 \$80,905
Pollution Prevention Workshop for Federal Facility Personnel	Edwards,Harry W	Mechanical Engineering Environmental Protection Agency	10/01/96- 09/30/97	5813 \$8,100
Multi-media Pollution Prevention Assessments	Edwards,Harry W	Mechanical Engineering Environmental Protection Agency	07/01/95- 12/31/97	5853 \$20,000
Integrated Test Program - Toxic Emission	Willson,Bryan D	Mechanical Engineering Engenuity International Inc.	10/28/96- 06/30/98	6223 \$377,725
Code Development - Laser Isotope Separation Program	Burns,Patrick J	Mechanical Engineering U.S. Enrichment Corporation	11/01/95- 12/31/97	9314 \$29,353
Project Development - Protective Vertical Wall Padding	Fitzhorn,Patrick A	Mechanical Engineering State of Kansas	09/20/96- 01/17/97	9712 \$3,841
Testing Rack Tube Assembly for Welding Integrity	Radford,Donald W McIntosh,Karen J	Mechanical Engineering State of Kansas	08/26/96- 09/15/96	9760 \$2,436
Evaluation of NEXRAD Doppler Weather Radar Algorithms & Mesoscale Analysis & Prediction (MAPS)...	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/01	1202 \$2,903,657
Temperature, Precipitation & Wind Continuity with Automated Surface Observing System-ASOS	McKee,Thomas B Doesken,Nolan J	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	10/01/96- 09/30/97	1213 \$92,046
Study of the Role of Clouds in the Relationship between Land Use/Land Cover & the Climate & Air Quality...	Kidder,Stanley O	CIRA NASA-Marshall Space Center	11/21/96- 11/20/97	1936 \$56,998
Development of an Ocean Model Based Upon the Reduced System of Equations	Vonderhaar,Thomas H	CIRA DOD-NAVY-ONR-Office of Naval Research	10/01/91- 09/30/97	2413 \$208,672

College: Natural Resources -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
ARC Information on South Platte Basin -- Fish/Boreal Toad	Dean,Denis J	Forest Sciences Colorado Division of Wildlife	12/18/96- 11/30/97	0011 \$18,402
Building an Interactive Map Composition System on the World Wide Web	Dean,Denis J	Forest Sciences CATI-Colo. Advanced Technology Institute	10/24/96- 03/01/97	0993 \$8,550
Peer Review of Vegetation Management Goals for Rocky Mountain National Park	Berry,Joyce K	Forest Sciences DOI-NPS-National Park Service	10/01/96- 10/01/97	1782 \$15,000
Integrated Training Area Management Operations & Environmental Support for U.S. Army IPA for Sheila Mochel	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	11/08/96- 11/07/97	2338 \$98,332
Development of a Simulation Model for Predicting the Response of Central Rocky Mountain Forest Ecosystems... Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	10/01/96- 02/18/97	2440 \$6,683
Development of a Simulation Model for Predicting the Response of Central Rocky Mountain Forest Ecosystems... Environmental Management Administration	Binkley,Daniel E	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/01/93- 06/30/97	8731 \$6,000
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$3,375
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$2,118
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$4,293
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$4,656
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$67,500
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$8,235
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$34,781
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$73,043
Cultural Resources Management Support for Eglin Air Force Base, Florida	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8918 \$80,325
Integrated Training Area Management Program Support for U.S. Army, Alaska	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8926 \$382,500
Bird & Small Mammal Surveys at Lander, Lovell, & Sheridan Local Training Areas, Wyoming	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8962 \$207
Forest Vegetation Surveys on Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8968 \$19,125
Update of Camp Guernsey Map & Production of Soldier Field Card	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8970 \$12,000
Development & Production of Air Operations Map for Camp Guernsey, Wyoming	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8971 \$24,327

College: Natural Resources -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Acoustic Survey of Sheridan Local Training Area, Wyoming	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8972 \$26,390
ITAM Program Support for LCTA at Fort Benning, Georgia	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8975 \$46,665
Ecological Management & Restoration on Eglin Air Force Base, Florida	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8977 \$114,750
Exotic Plant Species Management on Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8978 \$2,022
Cultural Resource Management & Archeological Site Protection at Eglin Air Force Base...	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8979 \$76,500
Analysis of Golden-Creeked Warbler Census Data for Fort Hood, Texas	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8980 \$23,165
Forest Management Support at Fort Campbell, Kentucky	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8981 \$45,900
Land Condition Trend Analysis Support for Marine Corps Base Quantico in Virginia	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8982 \$34,425
FY97 Archaeological Phase I Surveys on Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8983 \$61,200
FY97 Archaeological Phase II Surveys on Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8984 \$38,250
Development of USARC Joliet Training Area Integrated Cultural Resources Management Plan	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8985 \$44,370
FY97 Archaeological Phase II Homestead Documentation on Fort McCoy	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8986 \$4,590
Support for the Coordinator for the Integrated Training Area Management Program	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8987 \$10,710
Fort Campbell Vetiver Pilot Testing	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8988 \$29,663
GIS Support for the Endangered Species Management Program at Fort Stewart, Georgia	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8989 \$45,135
Upper South Platte River Basin - Classification of Riparian Areas	Pague,Christopher A	Fishery & Wildlife Biology Colorado Department of Natural Resources	12/10/96- 09/30/98	0014 \$75,000
Summit County Wetlands/ Riparian Area Inventory	Pague,Christopher A	Fishery & Wildlife Biology Colorado Department of Natural Resources	12/10/96- 09/30/98	0015 \$34,000
Bioenergetics	Johnson,Brett M	Fishery & Wildlife Biology Colorado Division of Wildlife	12/20/96- 06/30/97	0017 \$20,084
Wildlife Damage Control	Andelt,William F	Fishery & Wildlife Biology Colorado Division of Wildlife	07/01/96- 06/30/97	0669 \$85,599
Summitville Mine Site CERCLA Investigation: Livestock & Waterfowl Risk Management	Alldredge,A William Ramsdell,Howard S	Fishery & Wildlife Biology Colorado Dept Public Health & Environ	06/30/95- 03/31/97	0812 \$74,489

College: Natural Resources -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Developing a Classification of Colorado Wetlands for Use in Functional Evaluation	Cooper,David J	Fishery & Wildlife Biology Colorado Department of Natural Resources	07/10/96- 06/30/97	0957 \$42,508
Lab Analysis to Determine the Extent of Whirling Disease in Colorado	Flickinger,Stephen A	Fishery & Wildlife Biology Colorado Division of Wildlife	10/16/96- 06/30/97	0989 \$11,000
Face to Face with Wildlife	Covich,Alan P	Fishery & Wildlife Biology Colorado Division of Wildlife	10/15/96- 06/30/97	0990 \$37,313
Effects of Four Electrofishing Currents on Captive Subadult Colorado Squawfish	Muth,Robert T	Fishery & Wildlife Biology DOI-Bureau of Reclamation	08/26/96- 09/30/98	1848 \$18,000
Results of Scientific Investigations in Peer-reviewed Journals	Muth,Robert T	Fishery & Wildlife Biology DOI-Bureau of Reclamation	09/30/96- 09/30/98	1850 \$3,000
Non-lethal Methods for Reducing Conflicts with Rodents	Andelt,William F	Fishery & Wildlife Biology USDA-APHIS-Ag & Plant Health Insp Srvc	08/19/96- 08/18/97	2086 \$22,946
Colorado State-wide Riparian Inventory & Classification	Pague,Christopher A	Fishery & Wildlife Biology DOI-Bureau of Reclamation	08/09/95- 09/30/97	4156 \$10,000
Summit County Inventory	Pague,Christopher A	Fishery & Wildlife Biology Summit County Colorado	07/01/96- 12/31/97	5141 \$58,144
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 6)	Clements,William H	Fishery & Wildlife Biology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7729 \$81,286
Developing Incidence functions for Colorado River Cutthroat Trout: Determining the Risk...	Fausch,Kurt D	Fishery & Wildlife Biology USDA-USFS-Rocky Mtn. Experiment Station	05/02/95- 09/30/98	8755 \$12,930
Evaluation of Northern Goshawk Research Needs at Ashley National Forest	Kennedy,Patricia L	Fishery & Wildlife Biology USDA-USFS-Forest Research	09/01/95- 12/31/98	8787 \$10,000
Database Development & Analysis for Avian & Mammalian Point & Line Transect Data...	Kennedy,Patricia L	Fishery & Wildlife Biology Univ. California-Los Alamos National Lab	07/14/95- 10/30/97	9309 \$14,807
Reclamation Plan for Summitville Super Fund Site	Redente,Edward F	Rangeland Ecosystem Science Colorado Dept Public Health & Environ	06/01/95- 04/30/98	0796 \$24,906
Cooperative Work / Education Agreement for Rebecca Addington	Redente,Edward F	Rangeland Ecosystem Science DOD-ARMY-CERL-Const. Engineer. Res. Lab.	10/01/96- 09/30/97	2339 \$16,160
Cooperative Work / Education Agreement for Michael Meyer	Redente,Edward F	Rangeland Ecosystem Science DOD-ARMY-CERL-Const. Engineer. Res. Lab.	10/01/96- 09/30/97	2340 \$17,565
Re-establishment of the Lichen Component in Disturbed Grassland Ecosystems	McLendon,Terry	Rangeland Ecosystem Science DOD-ARMY-ARO-Army Research Office	01/01/97- 12/31/97	2571 \$48,075
A Regional Assessment of Land Use Effect on Ecosystem Structure & Function in the Central Grasslands...	Burke,Ingrid C	Rangeland Ecosystem Science EPA-Environmental Education Grants	10/01/96- 09/30/99	5854 \$274,271
Riparian Ecological Classification	Rittenhouse,Larry R	Rangeland Ecosystem Science USDA-USFS-Forest Research	10/01/96- 12/31/97	8709 \$12,000
Range of Natural Variability Report of Playa Lakes	Rittenhouse,Larry R	Rangeland Ecosystem Science USDA-USFS-Forest Research	10/01/96- 12/31/97	8712 \$12,000
Ecological Classification for the Shortgrass Prairie Ecosystem	Rittenhouse,Larry R	Rangeland Ecosystem Science USDA-USFS-Forest Research	09/30/96- 12/31/97	8765 \$24,000

College: Natural Resources -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Range of Natural Variability Report	Rittenhouse,Larry R	Rangeland Ecosystem Science USDA-USFS-Forest Research	09/30/96- 12/31/97	8781 \$12,000
Threatened Endangered Species Plant Inventory	Rittenhouse,Larry R	Rangeland Ecosystem Science USDA-USFS-Forest Research	09/30/96- 12/31/97	8782 \$5,600
Human Dimensions in Natural Resources Research Unit	Manfredo,Michael J	Nat Resource Recreation & Tourism Colorado Division of Wildlife	07/01/96- 06/30/97	0370 \$140,000
Denver Youth Naturally	Rodriguez,Donald A	Nat Resource Recreation & Tourism Colorado Department of Natural Resources	01/01/96- 12/31/96	0908 \$18,549
Publication Participation in Allocation Decisions Related to Public Owned Natural Resources	Manfredo,Michael J	Nat Resource Recreation & Tourism USDA-USFS-Rocky Mtn. Experiment Station	09/05/96- 03/31/99	8785 \$9,000
1997 Human Dimensions in the Americas Conference - Planning & Implementation	Haas,Glenn E	Nat Resource Recreation & Tourism USDA-USFS-Rocky Mtn. Experiment Station	09/05/96- 07/01/97	8790 \$6,000
Survey of Western States Sediment Standards	Stednick,John D	Earth Resources Colorado Dept Public Health & Environ	11/11/96- 12/31/96	0006 \$2,000
Arkansas River Water Quality	Stednick,John D Davies,Patrick	Earth Resources Colorado Division of Wildlife	09/01/96- 12/31/96	0988 \$13,200
Aquatic Toxicology Research	Stednick,John D Davies,Patrick	Earth Resources Colorado Division of Wildlife	09/01/96- 10/31/97	0992 \$27,500
Interdisciplinary Approaches to Identification & Mitigation of NPS Water Quality Impacts	Stednick,John D	Earth Resources University of Wyoming	09/15/94- 08/31/97	3467 \$45,000
Karst Hydrology in the Humid Tropical Environments	Stednick,John D	Earth Resources NSF-SBE-Social, Behav & Econ Sciences	12/01/96- 05/31/97	3507 \$13,250
Relationship Between Substrates & Macroinvertebrates on the Arapaho-Roosevelt National Forest	MacDonald,Lee H	Earth Resources USDA-USFS-Rocky Mtn. Experiment Station	09/27/96- 09/30/97	8754 \$15,000
EAWT Group 21 - Israel	Smith,Freeman M	Earth Resources CID-Consortium for Inter. Development	10/01/96- 10/18/96	9214 \$6,468
Computer Software Design	Bergersen,Eric P	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	12/18/96- 06/30/97	0010 \$5,552
Stress Factors in Whirling Disease	Bergersen,Eric P	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	12/20/96- 12/31/97	0879 \$25,200
Wildlife Disease Modeling	Burnham,Kenneth P	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	10/31/96- 06/30/97	0995 \$21,000
Ranking Conservation Priorities of Vertebrates in Colorado	Gross,John E	Natural Resource Ecology Lab Colorado Division of Wildlife	10/28/96- 06/30/97	0018 \$33,000
Ecological Modeling in Support of County Decision Making (GIS)	Hobbs,N Thompson	Natural Resource Ecology Lab Colorado Division of Wildlife	09/01/96- 12/30/97	0981 \$251,600
Century Erosion Study	Ojima,Dennis Parton,William J	Natural Resource Ecology Lab DOI-USGS-Geological Survey	11/15/96- 03/15/97	1857 \$15,000
Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation...	Paustian,Keith H Elliott,Edward T	Natural Resource Ecology Lab USDA-NRCS-Natural Resources Consvtn Srv	09/30/96- 09/30/97	2090 \$30,000

College: Natural Resources -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
National Atmospheric Deposition Program (NRSP-3)	Swift,David M	Natural Resource Ecology Lab USDA-CSRS-Coop. States Research Service	10/01/92- 09/30/97	2113 \$23,630
Land Use & Climate Change Impacts on Carbon Fluxes (LUCCI)	Ojima,Dennis	Natural Resource Ecology Lab University of Nebraska	07/01/96- 06/30/97	3901 \$63,000
National Atmospheric Deposition Program - 1996-1997	Swift,David M	Natural Resource Ecology Lab Various "Non-Profit" Sponsors	10/01/96- 03/31/98	5138 \$271,135
Mercury Deposition Network: A Subnetwork of the National Atmospheric Deposition Program	Swift,David M	Natural Resource Ecology Lab Various "Non-Profit" Sponsors	01/01/97- 06/30/98	5351 \$321,581
A Regional Assessment of Land Use Effect on Ecosystem Structure & Function in the Central Grasslands...	Parton,William J	Natural Resource Ecology Lab EPA-Environmental Education Grants	10/01/96- 09/30/99	5855 \$88,747
Research in Agriculture	Elliott,Edward T	Natural Resource Ecology Lab USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8020 \$8,290
An Integrated Management & Policy System for Conserving Biodiversity in Spatially Extensive Pastoral...	Coughenour,Michael B Galvin,Kathleen	Natural Resource Ecology Lab University of California at Davis	10/01/96- 06/30/97	9000 \$111,303
Spatially Explicit Projections of C Dynamics with Global Change in the Central Unit...	Elliott,Edward T Paustian,Keith H	Natural Resource Ecology Lab University of Nebraska	07/01/96- 06/30/97	9300 \$74,000
Modeling the Effect of Global Change on Grassland Distribution & Productivity at Land-...	Ojima,Dennis	Natural Resource Ecology Lab Oregon State University	01/10/96- 06/30/97	9318 \$30,000

College: Natural Sciences -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Colorado Statewide Systems Initiative	Stein,Fredrick M	Center for Science, Math & Tech Edu Colorado Department of Education	09/01/96- 08/31/97	0591 \$22,400
Pollution Prevention in General Chemistry	Stein,Fredrick M	Center for Science, Math & Tech Edu Partnership/Environmental Technology Ed	10/01/96- 09/30/97	5900 \$205,000
Transcriptional Regulation by the HTLV-I Tax Protein	Nyborg,Jennifer K	Biochemistry & Molecular Biology HHS-NIH-NCI-National Cancer Institute	12/01/96- 11/30/97	7636 \$179,461
Optical Properties of Biological Macromolecules	Woody,Robert W	Biochemistry & Molecular Biology HHS-PHS-Biophysics & Physiological Sci.	12/01/96- 11/30/97	7669 \$237,399
RNA Polymerase III Transcription Regulation Mechanism	Paule,Marvin R	Biochemistry & Molecular Biology HHS-PHS-Genetics Research	01/01/97- 12/31/97	7674 \$164,437
RNA Polymerase I Transcription & Regulation Mechanism	Paule,Marvin R	Biochemistry & Molecular Biology HHS-PHS-Genetics Research	01/01/97- 12/31/97	7720 \$241,343
Electrochemical & Optical Investigations of Nanostructure Ensembles	Martin,Charles R	Chemistry DOD-NAVY-ONR-Office of Naval Research	10/01/90- 09/30/97	2391 \$106,122
Organic Pollutants in Soils, as Studied by Nuclear Magnetic Resonance	Maciel,Gary E Lindsay,Willard L	Chemistry DOD-USAF-Air Force	03/01/95- 02/28/98	2545 \$152,020
Dynamics of Polar Solvation & Chemical Reactions at the Interface Between Immiscible Liquids	Levinger,Nancy E	Chemistry NSF-MPS-Mathematical & Physical Sciences	08/01/94- 07/31/97	3387 \$9,118
Polyoxoanion-Stabilized Transition Metal Nanoclusters: Soluble Analogs of Heterogeneous Catalysts...	Finke,Richard G	Chemistry DOE-Office of Energy Research	12/01/96- 11/30/97	3805 \$115,400
Polyoxoanion-Supported, Atomically Dispersed Designer Catalysts: Fundamental Studies in H ₂ , O ₂ ...	Finke,Richard G	Chemistry US Department of Energy	12/01/96- 11/30/97	3851 \$115,400
Nanomaterials in Secondary Battery Research & Development	Martin,Charles R Fisher,Ellen R	Chemistry DOE-Office of Energy Research	12/15/96- 12/14/97	3866 \$80,000
An Alternative to Autografts for Orofacial Repair	Grainger,David	Chemistry Oregon Health Sciences University	10/30/96- 05/31/97	4347 \$41,459
Generation & Study of Intermediates Involved in DNA Cleavage	Greenberg,Marc M	Chemistry HHS-PHS-Pharmacology & Biorelated Chem	07/01/96- 06/30/97	4797 \$1,350
Editorial Office for Journal of Chemical Physics	Fixman,Marshall Ladanyi,Branka M	Chemistry American Institute of Physics	08/01/95- 07/31/97	5597 \$87,935
Reuse Metrics for Object Oriented Software	Bieman,James M	Computer Science NASA-Langley Research Center	12/02/96- 11/01/97	1973 \$20,000
Optimization Problems in Multisensor / Multitarget Tracking	Poore,Aubrey B	Mathematics DOD-USAF-Office of Scientific Research	04/01/97- 03/31/98	2543 \$63,641
Intelligent Algorithm Control for Surveillance Applications	Poore,Aubrey B	Mathematics Orincon	08/26/96- 01/15/97	2618 \$20,000
High Frequency Properties of Ferrite Films for Microwave & Millimeter Wave Devices	Patton,Carl E	Physics DOD-NAVY-ONR-Office of Naval Research	10/01/96- 09/30/97	2329 \$120,000
Microwave Magnetic Thin Film Soliton Devices	Patton,Carl E	Physics DOD-ARMY-ARO-Army Research Office	06/16/95- 12/15/97	2561 \$90,000

College: Natural Sciences -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Mississippi Tides Based on Extensive Modelling & Sodium Lidar Data Sets: Cedar Postdoc	She,Chiaoyao Krueger,David A	Physics NSF-GEO-Geosciences	01/15/97- 12/31/97	3145 \$45,000
Light Force Manipulation of Aluminum Atoms	Lee,Siu Au	Physics Harvard University	03/15/95- 01/31/98	3470 \$85,088
Research in Collider Physics	Toki,Walter Wilson,Robert J	Physics US Department of Energy	04/15/96- 04/14/97	3852 \$5,000
Device Physics of Thin-Film Polycrystalline Cells & Modules	Sites,James R	Physics Midwest Research Institute - NREL	12/06/93- 12/20/97	3948 \$95,000
Drug Use Among Young Indians: Epidemiology & Prediction	Beauvais,Frederick	Psychology HHS-PHS-Drug Abuse Research Programs	12/01/96- 11/30/97	4616 \$522,274
Alcohol Use & Related Problems: Mexican American Youth	Swaim,Randall C	Psychology HHS-PHS-Alcohol Research Programs	07/01/96- 06/30/97	4631 \$26,592
BRAIN Video Module Revision	Vattano,Frank J Bennett,Thomas L	Psychology Various "For Profit" Sponsors	05/15/95- 06/10/97	6095 \$52,202
Research Design -- Population Size Estimation & Statistical Consulting	Bowden,David C	Statistics Colorado Division of Wildlife	07/01/96- 06/30/97	0991 \$34,092
CASE-Statistical Research & Advice	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/97	6131 \$800
CASE-Statistical Research & Advice	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/97	6131 \$640
CASE-Statistical Research & Advice	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/97	6131 \$2,365
CASE-Statistical Research & Advice	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/97	6131 \$270
Miscellaneous Services of Statistics Laboratory	Tweedie,Richard L	Statistics USDA-ARS-Agricultural Research Service	10/01/96- 09/30/97	8021 \$12,540
CASE-Identification & Establishment of Cause-Effect Relationships Using Ecological Data	Iyer,Hariharan K	Statistics USDA-USFS-Rocky Mtn. Experiment Station	09/07/95- 06/30/97	8834 \$12,000
Protein Function in Plants	Golovkin,Maxim V Reddy,A	Biology University of Colorado	12/01/96- 06/30/97	0005 \$1,000
Influence of Sex Allele Diversity on Biological Control by <i>Bracon hebetor</i>	Antolin,Michael F	Biology USDA-CSRS-CGP-Competitive Grants Program	08/01/94- 07/31/97	1405 \$70,000
Developmental Analysis of a Putative Juvenile Hormone Receptor	Wilson,Thomas G	Biology NSF-Biological Centers	03/01/95- 02/28/98	3044 \$100,000
Carbohydrate & Lipid Metabolism in Mammals	Florant,Gregory L	Biology NSF-Biological Centers	09/01/96- 08/31/98	3183 \$65,000
Behavioral Bioassays for Cat Fleas	Moore,Janice K	Biology Heska Corporation	09/15/96- 03/14/97	6219 \$23,019

College: Veterinary Medicine & Biomedical Sciences -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Colorado State University VETPREP	Tucker,Alan	Dean of Veterinary Medicine HHS-PHS-Health Careers Opportunity Program	09/01/96- 08/31/97	7924 \$365,797
Rocky Mountain Taste & Smell Center	Kinnamon,Sue C	Anatomy & Neurobiology University of Colorado Health Sci Ctr	04/01/96- 03/31/97	4313 \$7,663
Age-Related Changes in Glutamate Receptors	Magnusson,Kathy	Anatomy & Neurobiology HHS-PHS-Aging Research	01/01/97- 12/31/97	4403 \$63,936
Cross-species Transplantation of Circadian Behavior	Pickard,Gary E	Anatomy & Neurobiology HHS-PHS-Public Health Services	08/01/95- 01/31/97	4429 \$135,729
Inhibitory Regulation of Axonal & Dendritic Growth Cones-Stipend Account	Bamburg,James R Shibata,Annemarie	Anatomy & Neurobiology HHS-NIH-NIMH-Nat Inst of Mental Health	12/01/96- 11/30/97	4907 \$13,008
Inhibitory Regulation of Axonal & Dendritic Growth Cones-Stipend Account	Bamburg,James R Shibata,Annemarie	Anatomy & Neurobiology HHS-NIH-NIMH-Nat Inst of Mental Health	12/01/96- 11/30/97	4907 \$1,488
Genetic Engineering of Cells Associated with Chronic Spinal Cord Injury	Nornes,Howard O Neuman,Toomas	Anatomy & Neurobiology Spinal Cord Society	08/01/96- 07/31/97	5089 \$1,360
Physiological Effects of Central Core Disease Mutations	Dirksen,Robert T	Anatomy & Neurobiology Muscular Dystrophy Association, Inc.	01/01/97- 12/31/99	5139 \$54,190
Stem Cell Gene Therapy: Improved Retroviral Vectors for Ribozyme Gene Delivery & Dev...	Akkina,Ramesh K	Pathology University of Colorado	07/01/96- 06/30/97	0994 \$30,000
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 2)	Benjamin,Stephen A	Pathology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7726 \$102,774
Multivalent Virus Vected Vaccines for Sheep / 104-15	Demartini,James C	Pathology Washington State University	10/01/93- 06/30/97	9024 \$35,000
Regulation of Ovine GnRH Receptor Gene Expression	Clay,Colin	Physiology USDA-CSRS-CGP-Competitive Grants Program	11/01/96- 10/31/99	1354 \$127,396
Nerve Regeneration Screen	Ishii,Douglas N	Physiology Aurogen, Inc.	09/01/96- 06/01/97	6207 \$5,523
Phase I - Sexing Mammalian Semen	Seidel,George E Jr	Physiology XY, Inc.	11/01/96- 02/28/97	6217 \$60,371
Treatment of Diabetic Neuropathy	Ishii,Douglas N	Physiology Aurogen, Inc.	09/01/96- 08/31/97	7509 \$43,839
Regulation of LH Receptors & Progesterone Secretion	Niswender,Gordon D	Physiology HHS-PHS-Population Research	12/01/96- 11/30/97	7637 \$151,022
Regulation of GnRH Receptor Gene Expression	Clay,Colin	Physiology HHS-PHS-Population Research	01/01/97- 12/31/97	7675 \$100,389
Molecular Cytogenetics of Canine Cancer	Larue,Susan M	Radiological Health Sciences Morris Animal Foundation	09/01/96- 08/31/98	5208 \$59,837
Mutagenicity in the AC/PECH Cell System of Food Mutagens	Waldren,Charles A	Radiological Health Sciences Nabisco Company	01/01/91- 11/01/97	6569 \$35,000
Radiological Sciences Basic to Cancer Research	Bedford,Joel S	Radiological Health Sciences HHS-PHS-Cancer Research Manpower	09/01/95- 08/31/96	7914 \$13,932

College: Veterinary Medicine & Biomedical Sciences -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Lead Research	Reif,John S	Environmental Health Colorado Dept Public Health & Environ	10/01/96- 09/30/97	0002 \$4,638
Lead Research	Reif,John S	Environmental Health Colorado Dept Public Health & Environ	10/01/96- 09/30/97	0003 \$48,100
Pasteurella SPP. Investigations	Salman,Mowafak D	Environmental Health Colorado Division of Wildlife	10/01/96- 06/30/97	0004 \$18,042
Occupational Health & Safety Consultation Program	Buchan,Roy M	Environmental Health DOL-OSHA-Occupa. Safety & Health Admin.	10/01/96- 09/30/97	1011 \$486,600
Epidemiology of Vesicular Stomatitis in the Western Hemisphere	Salman,Mowafak D	Environmental Health USDA-OICD-International Coop. Develop.	09/16/96- 09/30/98	2091 \$48,990
Patterns in Interstate Beef Cattle Movements	Salman,Mowafak D	Environmental Health USDA-APHIS-Ag & Plant Health Insp Srvc	12/13/96- 09/30/97	2093 \$44,127
Molecular Diagnosis & Screening for M. Bovis Infection in Ungulates	Salman,Mowafak D	Environmental Health USDA-APHIS-Ag & Plant Health Insp Srvc	10/01/96- 09/30/97	2094 \$50,000
Training Programs in Veterinary Epidemiology	Salman,Mowafak D	Environmental Health Teachers of Veterinary Public Health	01/01/94- 12/31/97	5537 \$12,375
Analysis of Ecosystem Stressors Across Scales Using Remotely Sensed Imagery: Reducing...	Weigel,Stephanie J	Environmental Health EPA-Environmental Education Grants	10/15/96- 10/14/99	5819 \$251,237
Geographic Information System for Agricultural Chemicals Exposure	Nuckols,John R	Environmental Health Survey Research Assoc, Inc./sub Battelle	08/01/96- 01/31/97	7508 \$49,996
Organochlorine Compounds & Risk of Breast Cancer	Tessari,John Domenic	Environmental Health Yale University	09/30/96- 09/29/97	7510 \$49,282
Administrative Core - Hazardous Waste Chemical Mixtures	Yang,Raymond S H	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7722 \$69,189
Integrated Research on Hazardous Waste Chem Mixtures (Core B) Analytical	Tessari,John Domenic	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7723 \$35,857
Integrated Research on Hazardous Waste Chemical Mixtures (Core C)	Nuckols,John R	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7724 \$44,633
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 1)	Yang,Raymond S H	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7725 \$76,914
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 3)	Billings,Ruth E	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7727 \$59,677
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 3)	Billings,Ruth E	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7727 \$20,255
Symposium on Current Issues of Chemical Mixtures	Yang,Raymond S H	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7742 \$41,000
Symposium on Current Issues of Chemical Mixtures	Yang,Raymond S H	Environmental Health HHS-PHS-Superfund Hazardous Substances	07/30/96- 08/31/97	7747 \$10,000
Cutthroat Trout Genetics	Ellis,Robert P	Microbiology Colorado Division of Wildlife	11/21/96- 06/30/97	0007 \$40,260

College: Veterinary Medicine & Biomedical Sciences -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Population Genetics of Colorado Fishes	Ellis,Robert P	Microbiology Colorado Division of Wildlife	05/23/96- 12/31/96	0923 \$17,600
Tuberculosis Epidemiology Center	Orme,Ian M	Microbiology Case Western Reserve University	09/30/94- 09/29/97	4310 \$98,661
CSU Sub-contract with Case Western University (Dr. Boom)	Orme,Ian M	Microbiology Case Western Reserve University	09/01/96- 08/31/97	4312 \$93,806
Exploitation of Novel Pathways for New TB Therapeutics	McNeil,Michael R	Microbiology National Jewish Center	09/01/96- 05/31/97	4316 \$90,112
A Genetic Approach to Mosquito-Borne Disease Control Project 4	Beaty,Barry J Carlson,Jonathan O	Microbiology University of Wisconsin	06/01/96- 05/31/97	4350 \$200,623
Tuberculosis Research Materials	Belisle,John T Orme,Ian M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	07/01/92- 06/30/97	4801 \$100,000
Animal Model Testing of TB Drugs	Orme,Ian M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	07/01/94- 06/30/98	4856 \$362,951
Further Structural Studies of LAM toward Deciphering its Biological Holes in Virulence	Chatterjee,Delphi	Microbiology Heiser Program/Rsrch./Leprosy & Tuberc.	07/01/94- 12/31/97	5001 \$30,000
A Densovirus Pathogenic for Anopheles Mosquitoes	Carlson,Jonathan O	Microbiology WHO-World Health Organization	12/01/95- 09/30/97	5340 \$5,000
Testing the Efficacy of Vaccine Candidates Against Mycobacterium Tuberculosis	Orme,Ian M	Microbiology Merck Sharp & Dohme (Merck & Company)	12/18/96- 12/17/97	6226 \$80,000
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 5)	Beaty,Barry J	Microbiology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7728 \$95,590
Integrated Research on Hazardous Waste Chemical Mixtures (Core B) Molecular	Black,William C IV	Microbiology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7731 \$36,192
Rocky Mountain Raptor Program	Scherpelz,Judith A	Clinical Sciences Colorado Division of Wildlife	07/01/96- 06/30/97	0821 \$7,500
Options for Monitoring of Equine Diseases in the United States	Traub-Dargatz,Josie	Clinical Sciences USDA-APHIS-Ag & Plant Health Insp Srv	10/11/96- 09/30/97	2088 \$32,074
Evaluation of Cisplatin in Combination with a Biologic Response Modifier in a Rodent...	Dernell,William S	Clinical Sciences University of Colorado School of Pharma	08/01/96- 06/30/97	5137 \$30,589
Effects of Exercise on Subchondral Bone of Horses, & Correlation's to Diagnostic Techniques	McIlwraith,C Wayne Kawcak,Christopher E	Clinical Sciences Morris Animal Foundation	09/01/96- 08/31/97	5210 \$35,350
Black-footed Ferret Wastage Reduction: Modeling Increased Production of the Captive En...	Wimsatt,Jeffrey H	Clinical Sciences Morris Animal Foundation	12/01/96- 11/30/98	5428 \$7,532
Determination of Energy & Fluid Requirements of Critically Ill Dogs with Indirect Calorimetry...	Ogilvie,Gregory K	Clinical Sciences Morris Animal Foundation	12/01/96- 11/30/99	5430 \$59,800
Lymphoma Diet Research	Ogilvie,Gregory K	Clinical Sciences Hill's Pet Nutrition, Inc.	11/01/92- 01/01/98	5667 \$55,957
Identification of Metaloproteinases in Canine Tissue	Ogilvie,Gregory K	Clinical Sciences Bayer Company	07/10/96- 12/31/99	6190 \$893,469

College: Veterinary Medicine & Biomedical Sciences -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Effects of N-3 Fatty Acid Supplementation on a Model of Glomerulonephritis in Dogs	Grauer, Gregory F	Clinical Sciences Iams Company	09/01/96- 08/31/98	6213 \$67,807
Meniscus Repair Using a Meniscal Tack: A Study in Sheep	Turner, Anthony Simon	Clinical Sciences Innovasive Devices, Inc.	11/01/96- 02/28/98	6216 \$2,483
Meniscus Repair Using a Meniscal Tack: A Study in Sheep	Turner, Anthony Simon	Clinical Sciences Innovasive Devices, Inc.	11/01/96- 02/28/98	6216 \$32,095
Articular Cartilage Autograft Transplantation	Turner, Anthony Simon	Clinical Sciences Sulzer Innotec, Winterthur, Switzerland	11/01/96- 07/31/97	6221 \$20,735
Safety of Moxidectin injectable (Alternative Formulation) in Breeding Bulls	Mortimer, Robert G	Clinical Sciences Fort Dodge Animal Health	12/05/96- 12/15/97	6224 \$113,685
Development of Synovial Fluid & Serum Markers of Joint Disease in the Horse	McIlwraith, C Wayne	Clinical Sciences Bayer Corp. / Agriculture Division	11/01/96- 09/30/98	6225 \$358,000
Toxoplasma Gondii-Specific IgM, IgG, & IgA Responses in the Serum, Salvia & Duodenal...	Lappin, Michael R	Clinical Sciences Heska Corporation	12/15/93- 12/14/96	6892 \$7,500

College: Other -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Fellowship for Tamera Minnick	Jaros,Dean Coffin,Debra P	Graduate School National Science Foundation	09/01/96- 08/31/97	3632 \$23,000
Fellowship for Jan Kok	Jaros,Dean Chen,Wei (Tom)	Graduate School National Science Foundation	06/01/96- 05/31/97	3633 \$23,000
Fellowship for Megan Maddox	Jaros,Dean Duchateau,Paul C	Graduate School National Science Foundation	09/01/96- 08/31/97	3634 \$23,000
A Comprehensive Program - Graduate Program in Engineering & Science	Wilcox,Anne M Cook,Alicia S	Graduate School DE-Ronald E McNair Post-Baccal Achieve	10/01/96- 09/30/97	4212 \$190,000
1996-97 Peace Corps Strategy Contract	Denney,Martha A	International Education Corporation for National & Community Service	10/01/96- 09/30/97	1012 \$13,700
ZAP - Access Colorado Library & Information Network	Wessling,Julie E	Library Colorado Department of Education	06/01/96- 05/31/97	0986 \$2,500
INTERACTE Colorado: Interactive Access to Training & Education for Colorado	Maher,Thomas G	Instructional Services CCHE-Commission on Higher Education	07/01/96- 06/30/97	0997 \$200,000
Accident Investigation / Reconstruction	Wolfe,Gaylene M	Continuing Education-Administration Colorado Department of Transportation	10/01/96- 09/30/97	0971 \$120,000
DUI Detection & Standardized Field Sobriety Testing	Wolfe,Gaylene M	Continuing Education-Administration Colorado Department of Transportation	10/01/96- 09/30/97	0973 \$40,000
Northern Front Range Air Quality Study	Smith,Ralph E	V P Research & Info Technology Governors Office	09/19/95- 10/15/96	0835 \$82,600
Northern Front Range Air Quality Study	Smith,Ralph E	V P Research & Info Technology Colorado Dept Public Health & Environ	07/01/96- 08/31/98	0987 \$600,000
Guided Selective Atherectomy in Atherosclerotic Rabbits	Maul,Donald H	Laboratory Animal Resources Advanced Coronary Intervention, Inc.	06/01/95- 06/10/97	6105 \$16,411
Turkey East Anatolia Training Project	Niehaus,Merle H	International Research & Development CID-Consortium for Inter. Development	10/26/94- 10/10/96	9201 \$3,648
Turkey East Anatolia Training Project	Niehaus,Merle H	International Research & Development CID-Consortium for Inter. Development	10/26/94- 11/30/96	9201 \$9,576
Improve the Effectiveness of the Current Research Information System to CSR Institutions...	Iron,Jennifer	Agricultural Experiment Station University of Vermont	09/10/95- 09/10/97	1309 \$14,000
Colorado STAND - Youth & Young Adult Driving Under the Influence Prevention, Decrease & Eliminate Drinking...	Luevane,Carmen	Cooperative Extension Colorado Department of Transportation	10/01/96- 09/30/97	0008 \$70,000
Colorado Nutrition Education Plan (NEP)	Wilken,Karen K	Cooperative Extension Colorado Department of Human Service	10/01/96- 09/30/97	0980 \$801,891
DARE-to-be-You Community Training	Miller-Heyl,Janet L	Cooperative Extension Colorado Dept Public Health & Environ	10/01/96- 09/30/97	0996 \$32,235
DARE-to-be-You Workshops & Classes	Miller-Heyl,Janet L	Cooperative Extension DOI-BIA-Bureau of Indian Affairs	10/02/96- 12/18/96	1840 \$3,352
Family Skill Building Workshops for Juvenile Diversion Criteria Youth & Parents	Miller-Heyl,Janet L	Cooperative Extension Montezuma County Partners, Inc.	11/01/96- 10/30/97	5136 \$18,546

College: Other -- Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$
Northern Colorado Youth Naturally	Serby,Judy Elizabeth	Colorado State Forest Service Colorado Division of Wildlife	07/01/96- 06/30/97	0998 \$15,000
Multijurisdictional Drug Task Force	Hopkins,Donn	University Police City of Loveland, Colorado	10/01/96- 09/30/97	5041 \$43,325
GIS Survey of the Gunnison Research Area	McNerney,Ralph B	Career Services DOI-BLM-Bureau of Land Management	08/26/96- 10/30/96	1858 \$960
Service Integration Project	Keller,Victoria Peer Lanois,Cynthia C	Community Services Corporation for National & Community Srv	09/01/96- 08/31/97	1007 \$58,438