

Office of Vice President for Research and Information Technology

Research Proposals Submitted

and

Research Awards Received

July - September 1996

Research Proposals Submitted *and* Research Awards Received

July - September 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

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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 suggestions to:

Colorado State University

Sponsored Programs

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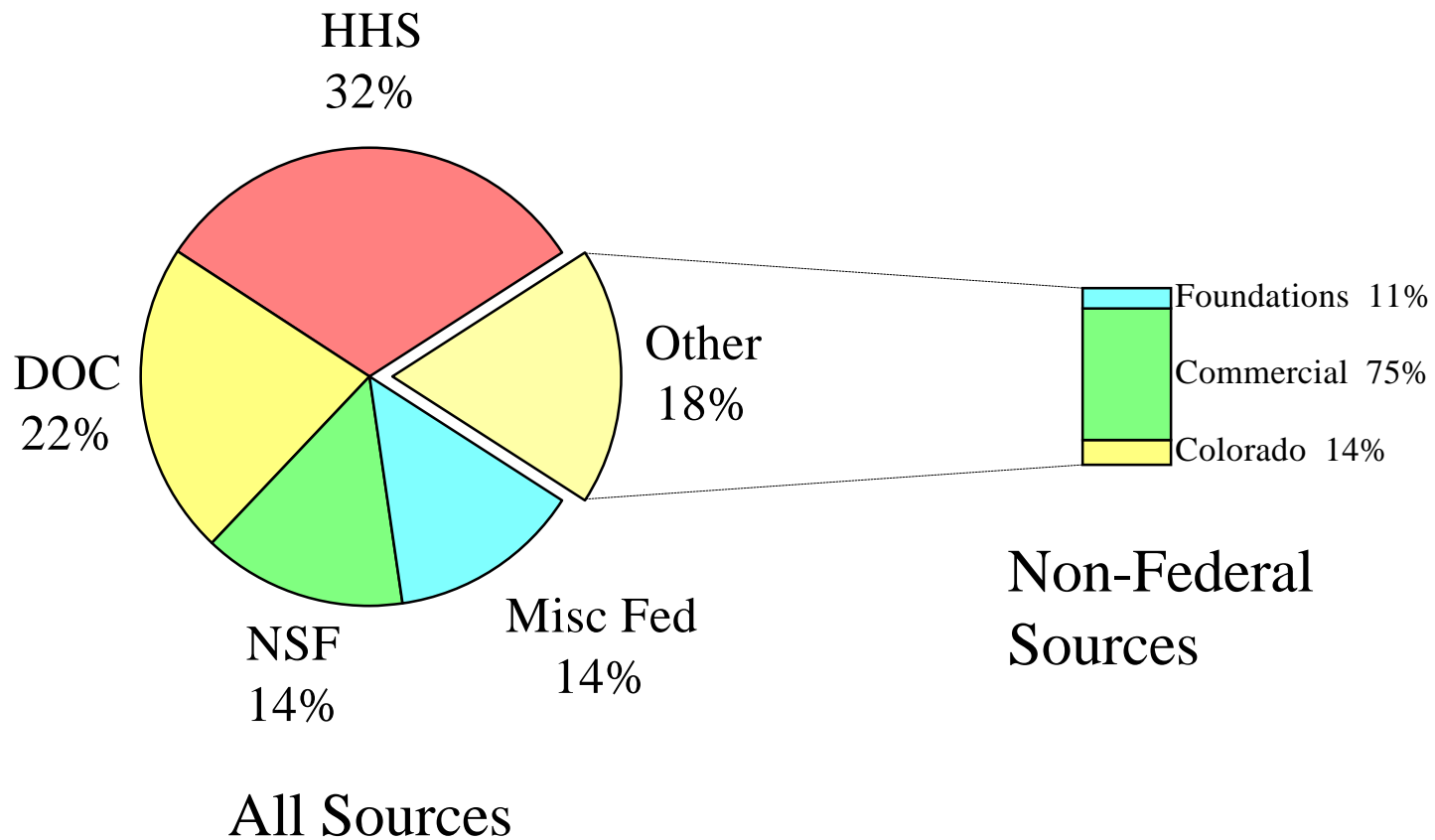
Section I

Historical Summaries

Historical and Current Quarter Proposal Summaries

Proposals by Fund Source

Quarter Ending September 1996



Comparison of Current Quarter Proposals to Same Quarter Previous Fiscal Years

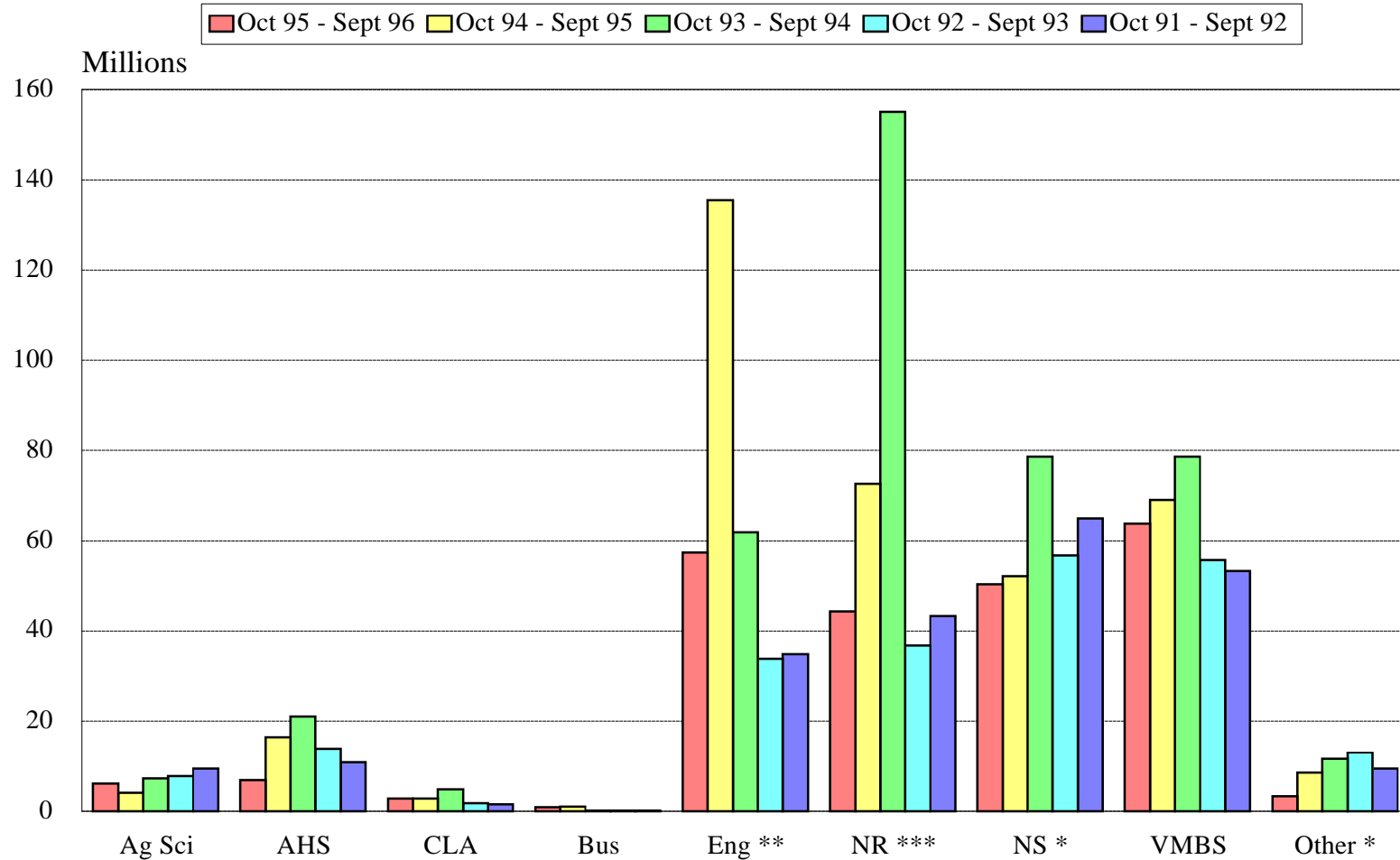
Sponsor	#	1996-1997	#	1995-1996	#	1994-1995	#	1993-1994	#	1992-1993
Commercial and Non-Profit	34	\$ 8,061,188	38	\$ 4,726,936	40	\$ 2,932,300	48	\$ 3,706,718	24	\$ 3,471,253
Foundations	11	\$ 1,243,454	16	\$ 1,939,327	11	\$ 467,682	8	\$ 656,716	3	\$ 147,300
Institutes	0	\$0	2	\$ 147,055	1	\$ 210,420	0	\$0	1	\$ 1,000
State of Colorado	21	\$ 1,508,999	17	\$ 11,151,711	23	\$ 6,963,786	9	\$ 978,043	11	\$ 6,472,543
Subtotal of Non-Federal	66	\$ 10,813,641	73	\$ 17,965,029	75	\$ 10,574,188	65	\$ 5,341,477	39	\$ 10,092,096
USDA - Department of Agriculture	5	\$ 390,042	11	\$ 1,290,460	6	\$ 353,053	7	\$ 430,565	* 9	\$ 30,203,634
DOC - Department of Commerce	* 13	\$ 13,237,652	** 5	\$ 80,976,216	8	\$ 1,772,750	9	\$ 1,448,197	4	\$ 264,102
DOD - Department of Defense	24	\$ 5,258,238	16	\$ 2,474,468	25	\$ 9,372,641	22	\$ 3,019,620	10	\$ 2,215,995
DOE - Department of Energy	1	\$ 324,126	1	\$ 389,321	8	\$ 3,037,823	0	\$0	2	\$ 829,607
EPA - Environmental Protection Agency	4	\$ 139,075	1	\$ 20,540	5	\$ 1,285,333	4	\$ 875,040	5	\$ 391,837
HHS - Health & Human Services	* 30	\$ 19,108,496	15	\$ 10,078,614	22	\$ 14,819,217	21	\$ 11,618,290	23	\$ 17,219,643
USDI - Department of the Interior	8	\$ 846,579	2	\$ 35,650	4	\$ 959,650	3	\$ 1,491,530	3	\$ 245,778
NASA - National Aeronautics & Space Administratio	3	\$ 590,998	0	\$0	5	\$ 1,685,843	1	\$ 94,500	6	\$ 1,101,052
NSF - National Science Foundation	21	\$ 8,576,299	33	\$ 10,867,963	30	\$ 9,681,267	25	\$ 7,313,197	21	\$ 8,405,505
Subtotal of Non-Federal + Common Federal)	132	\$ 59,285,146	152	\$ 124,098,261	188	\$ 53,541,765	157	\$ 31,632,416	113	\$ 70,969,249
Miscellaneous Federal	48	\$ 734,446	6	\$ 23,591	10	\$ 1,155,208	10	\$ 1,563,794	17	\$ 1,439,913
*** TOTAL ***	180	\$ 60,019,592	158	\$ 124,121,852	198	\$ 54,696,973	167	\$ 33,196,210	130	\$ 72,409,162

* See Foreword.

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

Proposals by College

Comparison of Consecutive 12 Months



October - September

Comparison Consecutive 12 Months Proposals to Same Period Previous Years October - September

College	#	10/95 to 9/96	#	10/94 to 9/95	#	10/93 to 9/94	#	10/92 to 9/93	#	10/91 to 9/92
Ag Sci - Agricultural Sciences	39	\$ 6,229,860	43	\$ 4,156,006	60	\$ 7,280,415	68	\$ 7,797,580	84	\$ 9,560,047
AHS - Applied Human Sciences	40	\$ 6,921,130	40	\$ 16,438,808	76	\$ 21,010,188	57	\$ 13,804,526	51	\$ 10,887,138
CLA - Liberal Arts	24	\$ 2,831,464	11	\$ 2,851,826	17	\$ 4,895,219	23	\$ 1,855,470	20	\$ 1,521,082
Bus - Business	5	\$ 896,622	6	\$ 1,101,880	4	\$ 108,670	6	\$ 103,494	4	\$ 194,750
Eng - Engineering	188	\$ 57,413,462	** 201	\$ 135,485,185	205	\$ 61,852,027	180	\$ 33,847,293	186	\$ 34,830,293
NR - Natural Resources	124	\$ 44,279,954	143	\$ 72,617,813	*** 107	\$ 155,065,239	94	\$ 36,812,451	92	\$ 43,346,878
NS - Natural Sciences	164	\$ 50,399,726	165	\$ 52,126,790	191	\$ 78,690,706	199	\$ 56,736,753	177	\$ 64,996,651
VMBS - Veterinary Medicine & Biomedical Science	188	\$ 63,804,556	169	\$ 69,063,801	* 185	\$ 78,640,155	143	\$ 55,756,226	144	\$ 53,328,582
Other - Other	* 18	\$ 3,388,404	39	\$ 8,642,294	47	\$ 11,696,674	60	\$ 13,046,059	41	\$ 9,565,212
*** TOTAL ***	790	\$ 236,165,178	817	\$ 362,484,403	892	\$ 419,239,293	830	\$ 219,759,852	799	\$ 228,230,633

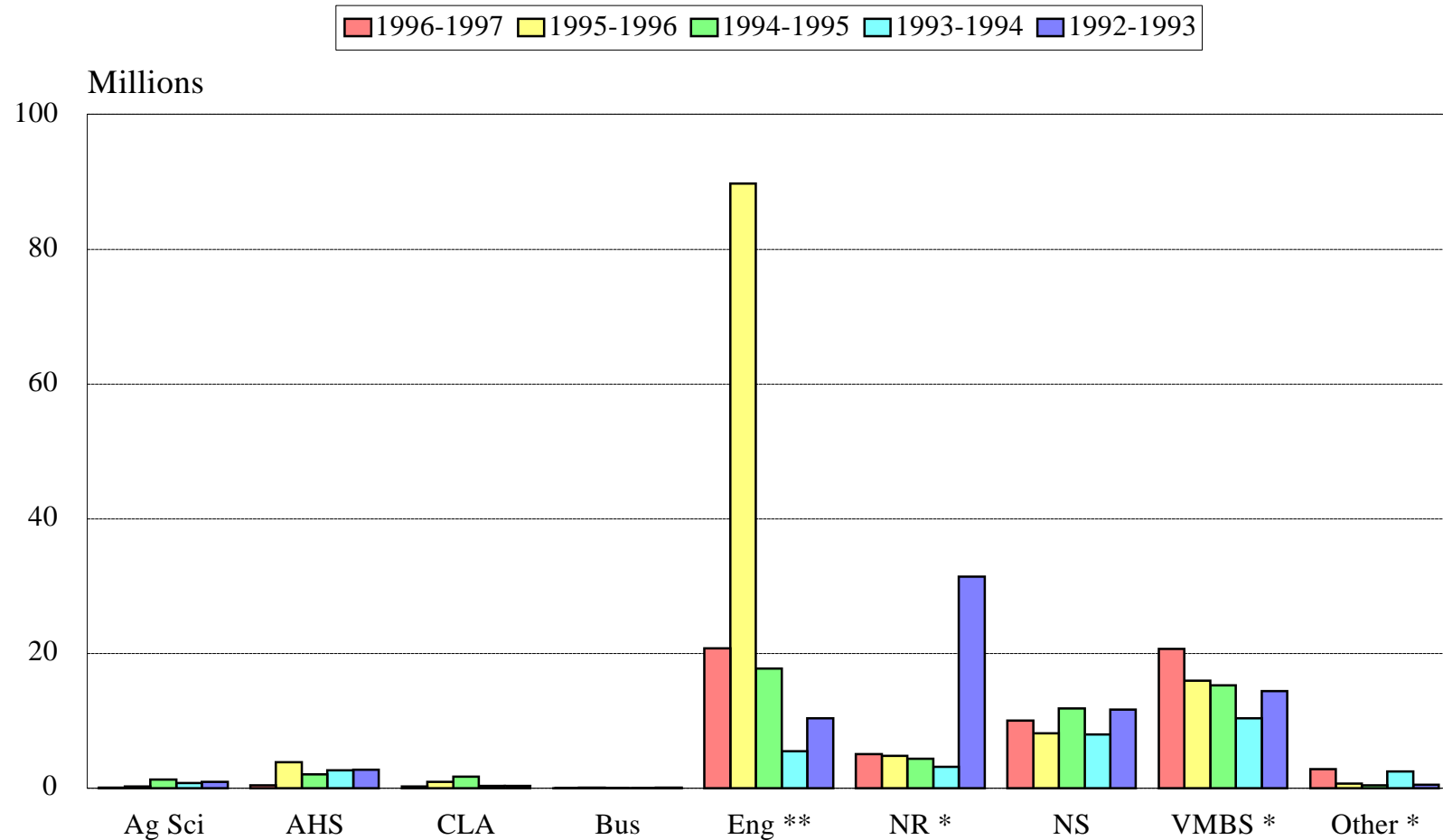
* See Foreword.

** 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



July - September

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	3	\$ 84,647	4	\$ 198,397	12	\$ 1,301,498	12	\$ 760,349	9	\$ 940,977
AHS - Applied Human Sciences	10	\$ 431,162	9	\$ 3,829,667	21	\$ 2,074,691	13	\$ 2,665,843	15	\$ 2,723,922
CLA - Liberal Arts	6	\$ 224,877	3	\$ 889,819	7	\$ 1,719,692	7	\$ 331,463	3	\$ 364,111
Bus - Business	1	\$ 12,100	1	\$ 42,500	0	\$0	0	\$0	1	\$ 59,400
Eng - Engineering	* 44	\$ 20,747,379	** 40	\$ 89,736,668	58	\$ 17,719,622	32	\$ 5,456,775	32	\$ 10,396,758
NR - Natural Resources	30	\$ 5,026,459	29	\$ 4,795,289	14	\$ 4,363,946	17	\$ 3,190,788	* 11	\$ 31,344,255
NS - Natural Sciences	37	\$ 9,993,436	31	\$ 8,092,384	42	\$ 11,856,412	44	\$ 7,922,764	27	\$ 11,663,709
VMBS - Veterinary Medicine & Biomedical Science	* 40	\$ 20,698,162	37	\$ 15,912,083	34	\$ 15,219,547	26	\$ 10,380,238	25	\$ 14,441,917
Other - Other	9	\$ 2,801,370	4	\$ 625,045	* 10	\$ 441,565	16	\$ 2,487,990	7	\$ 474,113
*** TOTAL ***	180	\$ 60,019,592	158	\$ 124,121,852	198	\$ 54,696,973	167	\$ 33,196,210	130	\$ 72,409,162

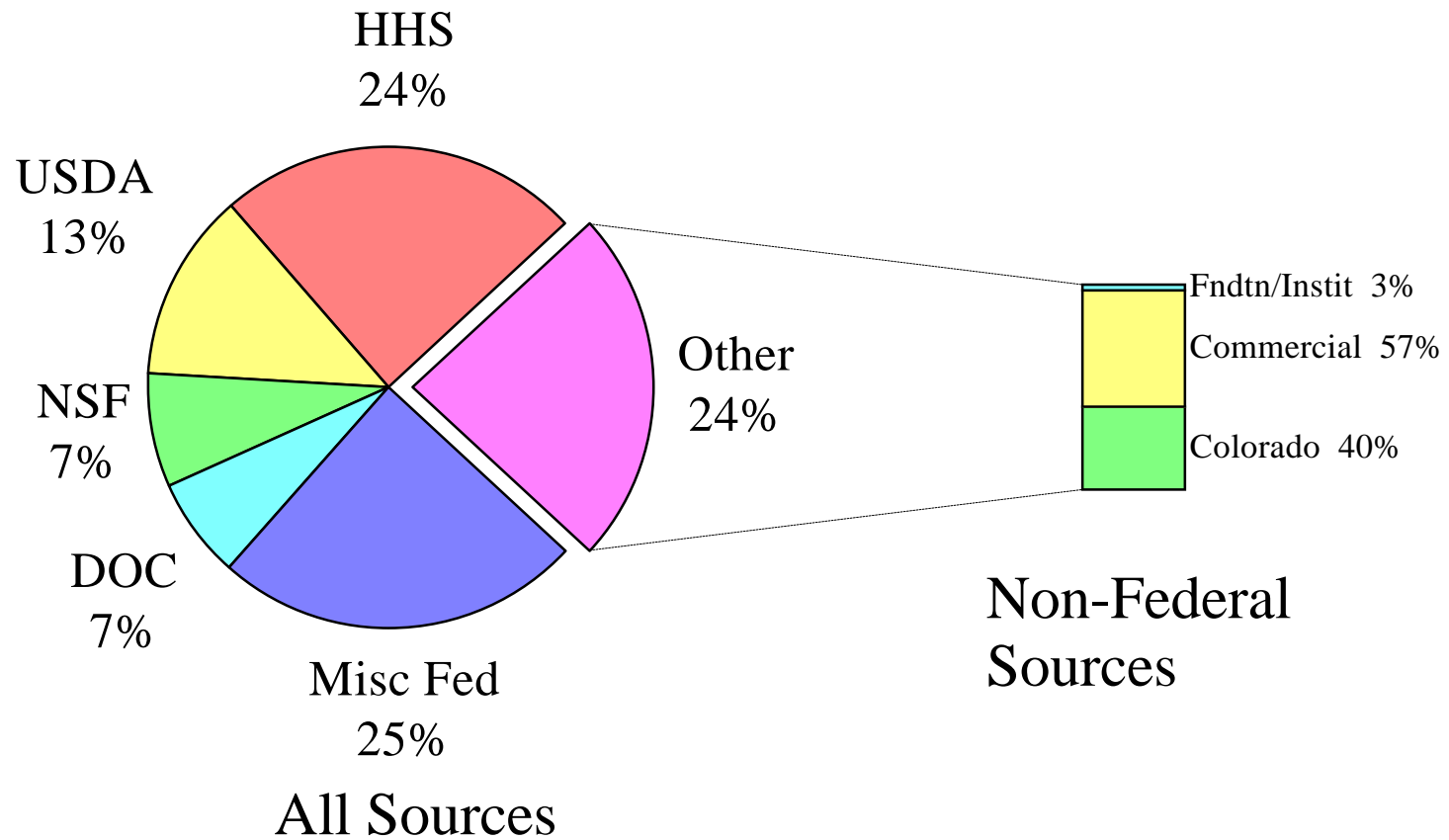
* See Foreword.

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

Historical and Current Quarter Award Summaries

Awards by Fund Source

Quarter Ending September 1996



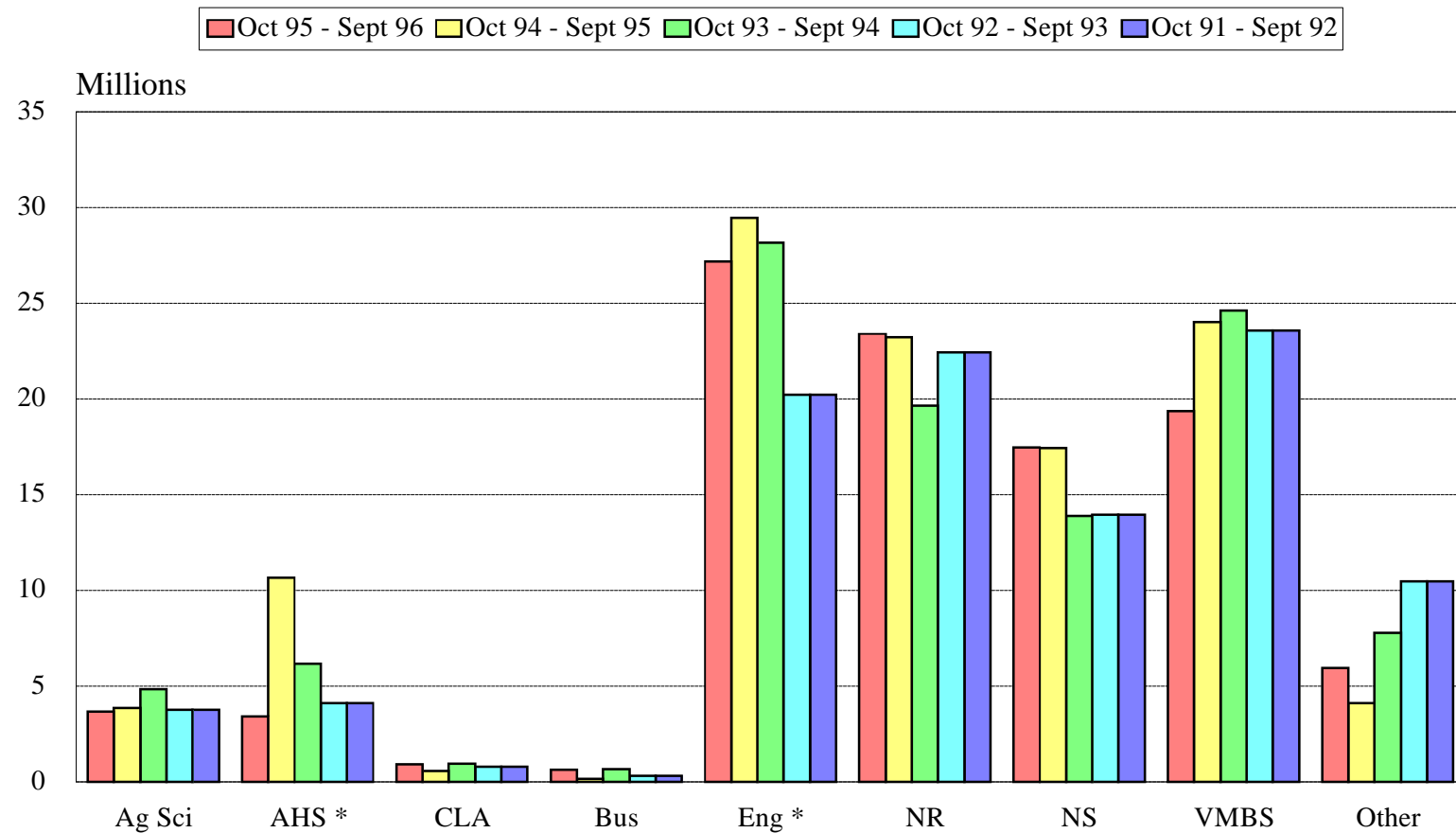
Comparison of Current Quarter Awards to Same Quarter Previous Fiscal Years

Sponsor	#	1996-1997	#	1995-1996	#	1994-1995	#	1993-1994	#	1992-1993
Commercial and Non-Profit	129	\$ 4,290,749	136	\$ 4,096,057	142	\$ 3,254,715	116	\$ 3,304,851	91	\$ 7,763,280
Foundations	9	\$ 169,603	5	\$ 35,710	13	\$ 324,420	5	\$ 218,294	5	\$ 126,718
Institutes	2	\$ 21,913	4	\$ 254,189	6	\$ 1,105,759	2	\$ 64,661	3	\$ 285,183
State of Colorado	52	\$ 2,966,723	* 55	\$ 10,208,063	51	\$ 6,240,377	39	\$ 1,450,025	36	\$ 1,792,209
Subtotal of Non-Federal	192	\$ 7,448,988	145	\$ 14,594,019	212	\$ 10,925,271	162	\$ 5,037,831	135	\$ 9,967,390
USDA - Department of Agriculture	86	\$ 4,007,137	74	\$ 3,020,821	71	\$ 4,780,343	76	\$ 4,980,755	54	\$ 6,802,692
DOC - Department of Commerce	18	\$ 2,162,472	11	\$ 2,655,655	10	\$ 1,802,006	7	\$ 441,315	1	\$ 22,511
DOD - Department of Defense	28	\$ 1,614,017	30	\$ 4,569,063	* 21	\$ 5,428,252	13	\$ 647,684	6	\$ 436,088
DOEd - Department of Education	5	\$ 751,128	5	\$ 794,516	10	\$ 1,710,938	3	\$ 545,191	8	\$ 1,078,274
DOE - Department of Energy	11	\$ 1,444,220	12	\$ 1,455,803	11	\$ 956,937	16	\$ 1,350,787	12	\$ 893,992
EPA - Environmental Protection Agency	10	\$ 529,274	7	\$ 401,030	5	\$ 318,993	4	\$ 264,418	7	\$ 412,412
HHS - Health & Human Services	51	\$ 7,667,977	47	\$ 7,071,483	41	\$ 7,961,370	49	\$ 7,790,794	34	\$ 6,417,368
USDI - Department of the Interior	46	\$ 1,936,550	45	\$ 1,724,191	41	\$ 2,322,726	47	\$ 1,952,515	33	\$ 1,445,828
DOL - Department of Labor	0	\$0	1	\$ 471,000	1	\$ 462,078	1	\$ 9,500	1	\$ 404,509
NASA - National Aeronautics & Space Administration	12	\$ 1,321,701	11	\$ 1,323,941	10	\$ 1,074,605	19	\$ 877,150	11	\$ 663,713
NSF - National Science Foundation	28	\$ 2,348,436	31	\$ 3,771,135	36	\$ 3,384,044	40	\$ 2,784,038	35	\$ 2,213,531
DOT - Department of Transportation	2	\$ 100,000	0	\$0	3	\$ 198,016	5	\$ 86,500	2	\$ 20,000
Miscellaneous Federal	1	\$ 25,955	55	\$0	24	\$ 151,573	2	\$ 363,909	4	\$ 78,293
*** TOTAL ***	490	\$ 31,357,855	474	\$ 41,852,657	475	\$ 41,477,152	444	\$ 27,132,387	343	\$ 30,856,601

* See Foreword.

Awards by College

Comparison of Consecutive 12 Months



October - September

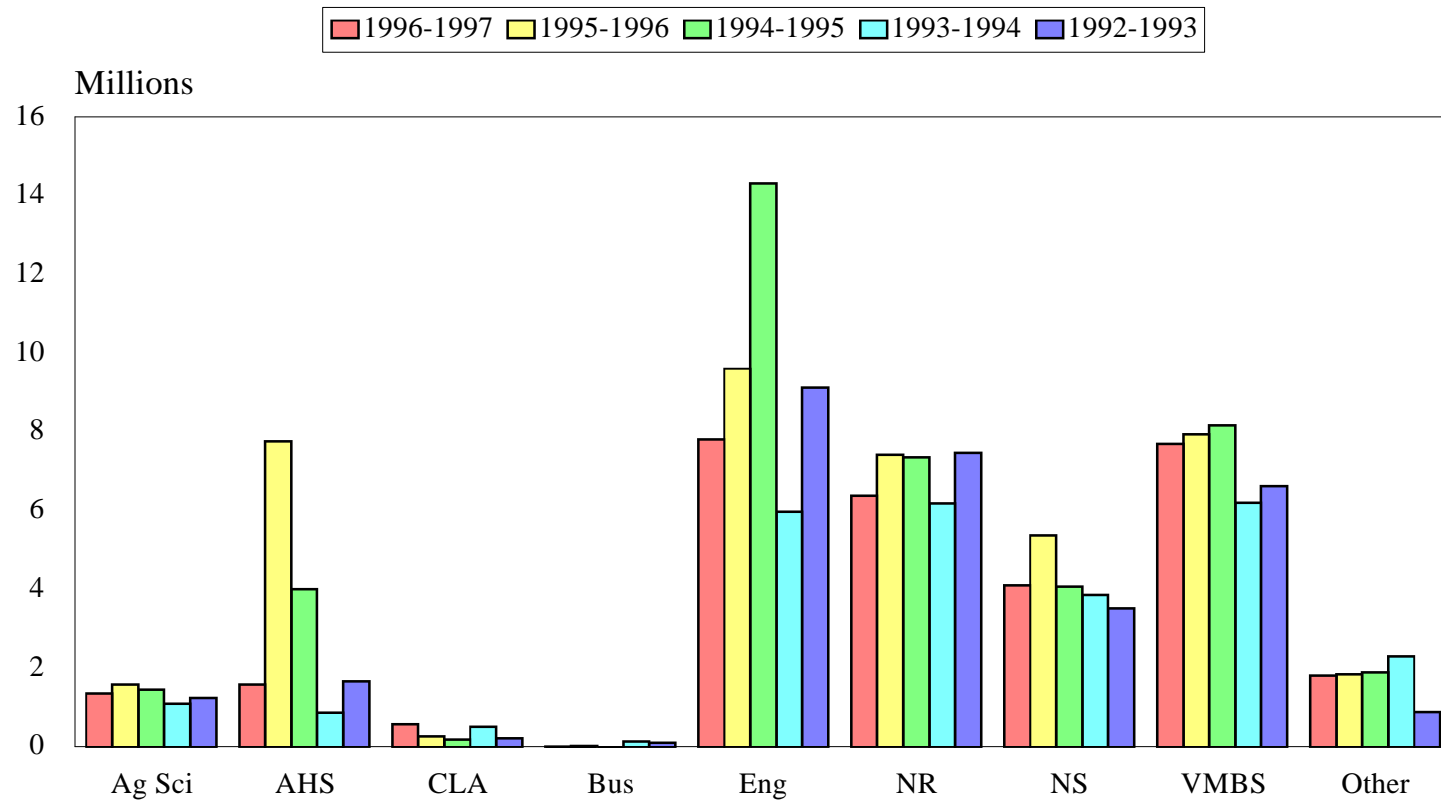
Comparison Consecutive 12 Months Awards to Same Period Previous Years October - September

College	#	10/95 to 9/96	#	10/94 to 9/95	#	10/93 to 9/94	#	10/92 to 9/93	#	10/91 to 9/92
Ag Sci - Agricultural Sciences	193	\$ 3,665,759	217	\$ 3,877,579	203	\$ 4,841,268	155	\$ 3,754,681	133	\$ 3,407,002
AHS - Applied Human Sciences	89	\$ 3,429,786	* 101	\$ 10,662,429	91	\$ 6,178,771	61	\$ 4,131,569	68	\$ 2,987,331
CLA - Liberal Arts	23	\$ 927,969	15	\$ 572,235	16	\$ 961,230	18	\$ 790,431	13	\$ 732,788
Bus - Business	11	\$ 631,226	8	\$ 173,728	24	\$ 685,078	15	\$ 316,937	16	\$ 281,919
Eng - Engineering	348	\$ 27,189,183	352	\$ 29,476,013	* 362	\$ 28,161,460	324	\$ 20,231,056	243	\$ 21,833,223
NR - Natural Resources	403	\$ 23,407,112	348	\$ 23,227,887	330	\$ 19,653,215	319	\$ 22,454,714	190	\$ 15,187,732
NS - Natural Sciences	215	\$ 17,476,130	226	\$ 17,428,637	184	\$ 13,889,326	169	\$ 13,959,101	147	\$ 12,342,261
VMBS - Veterinary Medicine & Biomedical Sciences	248	\$ 19,359,952	230	\$ 24,011,449	235	\$ 24,623,775	201	\$ 23,592,496	160	\$ 19,528,468
Other - Other	84	\$ 5,944,601	92	\$ 4,109,038	109	\$ 7,787,622	153	\$ 10,482,792	117	\$ 7,309,849
*** TOTAL ***	1,614	\$ 102,031,718	1,589	\$ 113,538,995	1554	\$ 106,781,745	1415	\$ 99,713,777	1087	\$ 83,610,573

* See Foreword.

Awards by College for Quarter

Comparison of Awards Received



July - September

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	53	\$ 1,353,313	72	\$ 1,588,063	70	\$ 1,462,347	51	\$ 1,097,978	55	\$ 1,251,651
AHS - Applied Human Sciences	27	\$ 1,587,413	* 21	\$ 7,759,386	21	\$ 4,005,065	16	\$ 872,109	27	\$ 1,658,841
CLA - Liberal Arts	12	\$ 578,432	5	\$ 276,044	7	\$ 193,274	9	\$ 506,786	5	\$ 213,569
Bus - Business	1	\$ 11,147	3	\$ 23,814	0	\$0	4	\$ 138,418	4	\$ 109,551
Eng - Engineering	103	\$ 7,816,167	87	\$ 9,607,510	* 120	\$ 14,315,070	112	\$ 5,970,924	75	\$ 9,124,396
NR - Natural Resources	146	\$ 6,382,252	123	\$ 7,418,003	112	\$ 7,355,170	110	\$ 6,184,582	58	\$ 7,466,448
NS - Natural Sciences	51	\$ 4,112,061	63	\$ 5,376,961	50	\$ 4,077,613	50	\$ 3,857,875	48	\$ 3,522,058
VMBS - Veterinary Medicine & Biomedical Sciences	81	\$ 7,704,379	71	\$ 7,950,307	73	\$ 8,177,384	55	\$ 6,200,005	50	\$ 6,621,822
Other - Other	16	\$ 1,812,691	29	\$ 1,852,569	22	\$ 1,891,229	37	\$ 2,303,710	21	\$ 888,265
*** TOTAL ***	490	\$ 31,357,855	474	\$ 41,852,657	475	\$ 41,477,152	444	\$ 27,132,387	343	\$ 30,856,601

* See Foreword.

Section II

Proposals Submitted for Current Quarter

College: Agricultural Sciences-- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ A ₁
Risk Management in Colorado Agriculture	Dalsted,Norman L Skold,Melvin D	Agricultural & Resource Economics Oklahoma State University	10/01/96- 09/30/97	96084501 \$8,000
North American Potato Late Blight Symposium	Brown,William M	Plant Pathology & Weed Science USDA-ES-CES-Cooperative Extension Srv	10/01/96- 09/30/97	96083601 \$33,000
Overwintering of Late Blight & Ring Rot Pathogens in Volunteer Potatoes in Colorado	Schwartz,Howard F Hill,Joseph P	Plant Pathology & Weed Sciences USDA-CSRS-SRG-Special Research Grants	04/01/97- 03/31/98	96094701 \$43,647

College: Applied Human Sciences-- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ A₁
Changes in Fruit & Vegetable Consumption of Elementary School Students	Auld,Garry W	Food Science & Human Nutrition Colorado Dept Public Health & Environ	10/01/96- 09/30/97	96084701 \$45,000
Establishment of a Colorado Nutrition Network	Anderson,Jennifer E	Food Science & Human Nutrition USDA-FNS-Food & Nutrition Service	10/01/96- 03/30/99	96085101 \$199,961
Effect of a Non-diet Program on Physical Activity, Body Image, & Diet Quality in Obese, Sedentary Women	Anderson,Jennifer E	Food Science & Human Nutrition American Dietetic Assoc. Foundation	01/01/97- 05/15/98	96107201 \$3,008
Teenage Vehicle Emissions Education Network	Wolff,Birgit H	Manufacturing Tech & Constrtn Mgmt Colorado Dept Public Health & Environ	01/01/97- 12/31/97	96102001 \$24,870
Linking to Support Quality Instruction	Gould,Lois	School of Education CCHE-Commission on Higher Education	07/01/96- 06/30/97	96077501 \$49,806
Standards Alignment Through Partnership	Mantle-Bromley,C	School of Education CCHE-Commission on Higher Education	07/01/96- 06/30/97	96077601 \$49,982
Age Expansion of the Children's Motivation / Interest Questionnaire	Morgan,George A	School of Education University of Colorado Health Sci Ctr	09/15/96- 09/30/97	96103001 \$4,970
Partnerships for Induction & Professional Development	Gould,Lois	School of Education CCHE-Commission on Higher Education	10/01/96- 06/30/97	96107601 \$19,971
Stories of Practice in Educational Leadership	Danzig,Arnold	School of Education CCHE-Commission on Higher Education	10/01/96- 06/30/97	96107901 \$13,768
A Validity Study of the PLACE Assessment K-12	Cobb,R Brian	School of Education CCHE-Commission on Higher Education	10/01/96- 06/30/97	96108301 \$19,826

College: Liberal Arts-- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ A ₁
Content Standards Enhancement - K-12	Hoffert,Robert W	Dean of Liberal Arts CCHE-Commission on Higher Education	10/01/96- 06/30/97	96108401 \$19,890
American Women Reformers & Internationalism, 1900 - 1960	Alexander,Ruth M	History NEH-DEP-Division of Education Programs	06/01/97- 08/31/97	96102801 \$4,000
Transformation of Brazilian Environmental Policy & Its Impact	Peak,G Wayne	Political Science Institute for the Study/World Politics	07/01/96- 03/31/97	96076101 \$4,000
Offenders in Halfway Houses: Programmatic Impact on Their Recidivism	Unnithan,N Prabha Lacy,Michael G	Sociology DOJ-OJP-NIJ-National Inst. of Justice	06/01/97- 07/31/98	96085201 \$128,543
Communication Information Processing Approach for Developing Nutrition Education Methodology	Rouner,Donna Slater,Michael D	Journalism & Technical Communication USDA-FNS-Food & Nutrition Service	10/01/96- 09/30/97	96087701 \$64,444
Influence of Newsroom Management on Journalists	Singer,Jane B	Journalism & Technical Communication NEH-DEP-Division of Education Programs	06/01/97- 07/31/97	96102901 \$4,000

College: Business-- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ A₁
Privatizing Social Security: A Portfolio Model of Retirement Income	Bajtelsmit, Vickie L	Finance & Real Estate TIAA-CREF/Teachers Insur./Annuity Assoc.	11/01/96- 08/31/97	96100001 \$12,100

College: Engineering-- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ A₁
Stream Water Quality Technology Development	Garcia,Luis	Chemical & Bioresource Engineering DOI-Bureau of Reclamation	08/01/96- 09/30/99	96077701 \$18,018
Sustainable Wetland Water Management & Control of Saline Return Flows to the San Joaquin River using GIS-based...	Garcia,Luis	Chemical & Bioresource Engineering EPA-Wetlands Protection-State Devel Grant	09/01/96- 08/31/97	96086501 \$51,133
Observing & Modeling Land Surface Effects on Boundary Layer Evolution in the Inaugural Field Program....	Pielke,Roger A	Atmospheric Science NSF-GEO-Geosciences	12/01/96- 11/30/99	96079301 \$352,656
Application of Influence Functions to Analysis & Interpretation of Tropospheric Trace Gas Data	Pielke,Roger A Uliasz,Marek	Atmospheric Science National Aeronautics & Space Admin.	01/01/97- 12/31/00	96079401 \$348,799
On the Structure & Dynamics of the Hurricane's Inner Core	Gray,William M	Atmospheric Science NSF-GEO-Geosciences	09/01/96- 08/31/99	96080301 \$420,413
Analysis of Ice Nucleating Aerosol Measurement during SUCCESS- April, May 1996	Rogers,David C Kreidenweis,Sonia M	Atmospheric Science National Aeronautics & Space Admin.	01/01/97- 12/31/97	96087801 \$69,575
Convection & the Atmospheric Boundary Layer	Johnson,Richard H	Atmospheric Science NSF-GEO-Geosciences	03/01/97- 02/28/00	96093801 \$516,358
National Boundary Containment System Model Update	Warner,James W	Civil Engineering DOD-ARMY-Rocky Mountain Arsenal	09/01/96- 03/31/97	96086301 \$30,041
Multidimensional Soil Erosion/Deposition Modeling	Julien,Pierre Y	Civil Engineering DOD-ARMY-CERL-Const. Engineer. Res. Lab.	09/01/96- 12/31/96	96086401 \$76,225
REU: Undergraduate Research Opportunities in Water Resources	Ramirez,Jorge A Hannah,Judith L	Civil Engineering NSF - Engineering Grant	06/01/97- 07/31/99	96101301 \$231,565
Youth, Environment, & Community Institute: University, K-12 & Industry Partnership for Education	Grigg,Neil S	Civil Engineering CCHE-Commission on Higher Education	09/01/96- 05/31/97	96108001 \$20,200
Software for Integrated Network Communications Architecture	Jayasumana,Anura	Electrical Engineering Mitech Corporation	10/01/96- 09/30/97	96097901 \$62,000
Integrating Plasma Processing & In-situ Monitors for Closed Loop VLSI Fabrication	Collins,George J	Electrical Engineering NSF - Engineering Grant	04/01/97- 03/31/00	96103601 \$326,027
Detailed Measurement of Weather Related Environment & Its Effect on Rotor Performance & Loads in Near & Post... Colorado Manufacturing Extension Center	Winn,C Byron Meroney,Robert N Troxell,Wade O Carlile,Craig	Mechanical Engineering Midwest Research Institute - NREL Mechanical Engineering DOC-NIST-Nat. Inst. Standards & Tech..	09/01/96- 08/31/99 11/01/96- 10/31/97	96077801 \$584,952 96078601 \$10,534,405
Effectiveness of Pollution Prevention Surveys at National Parks	Edwards,Harry W	Mechanical Engineering EPA-Pollution Prevention Grants Program	06/01/96- 01/31/97	96078701 \$15,398
Collaborative High-performance Computing Approach to the Fundamental Aspects of Scattering...	Burns,Patrick J	Mechanical Engineering NSF - Engineering Grant	01/01/97- 12/31/99	96082401 \$1,177,228
Rocky Flats Local Impacts Initiative	Troxell,Wade O Carlile,Craig	Mechanical Engineering E.G. & G. Rocky Flats, Inc.	10/01/96- 09/30/98	96083701 \$180,093
Colorado Supplier Development Partnership	Troxell,Wade O Cherian,Sunil	Mechanical Engineering E.G. & G. Rocky Flats, Inc.	01/01/97- 12/31/98	96083801 \$346,000
Cooperative Support of Industrial Design Technology Teaching	Peterson,Michael	Mechanical Engineering Front Range Community College	08/15/96- 05/15/97	96087001 \$10,000

College: Engineering-- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ A₁
Test Bed for the Manufacturing of MEMS with Advanced Automation using Continuous Air-to-Vacuum...	Sampath,Walajabad S Malaiya,Yashwant K	Mechanical Engineering NSF - Engineering Grant	02/01/97- 01/31/00	96087101 \$1,213,362
Pollution Prevention Workshop for Federal Facility Personnel	Edwards,Harry W	Mechanical Engineering Environmental Protection Agency	08/01/96- 07/31/97	96089401 \$8,100
Diverse Learning Environment through Laptop Computers & Wireless Technology	Jacobs,Harold R Raich,John C	Mechanical Engineering CCHE-Commission on Higher Education	10/01/96- 06/30/97	96092501 \$496,216
Components of Manufacturing Distortion in Composite Materials of Complex Geometry	Radford,Donald W	Mechanical Engineering NSF - Engineering Grant	01/01/97- 01/01/00	96101401 \$262,463
Biomechanical Analysis of Selected Assistance Exercises for the Clean	Alciatore,David	Mechanical Engineering USOC-United States Olympic Committee	01/01/97- 12/31/97	96101801 \$43,210
Multi-media Pollution Prevention Assessment	Edwards,Harry W	Mechanical Engineering Colorado Dept Public Health & Environ	01/01/97- 12/31/97	96101901 \$10,000
Technology is Cool- Linking K-12 & Higher Education Systems	Carlile,Craig Levine,Ann Veverica	Mechanical Engineering CCHE-Commission on Higher Education	10/01/96- 06/30/97	96108201 \$20,000
Assistance for Image Display Techniques & Data Analysis	Eis,Kenneth E	CIRA DOI-NPS-National Park Service	07/01/96- 06/30/97	96071201 \$538,493
Statistical Analyses Related to Air Quality & Atmospheric Visibility	Iyer,Hariharan K	CIRA DOI-NPS-National Park Service	07/01/96- 06/30/97	96071601 \$55,178
Analysis of Aerosol & Light Scattering Data from SEAVS Experiment	Kreidenweis,Sonia M	CIRA DOI-NPS-National Park Service	07/01/96- 06/30/97	96072501 \$97,580
A Comprehensive Accounting of Absorption & Scattering by Atmospheric Carbon	Kreidenweis,Sonia M Fuller,Kirk A	CIRA DOI-NPS-National Park Service	07/01/96- 06/30/97	96072601 \$56,918
CIRA Activities & Participation in DMSP Satellite Processing & Analysis	Vonderhaar,Thomas H Eis,Kenneth E	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	96079201 \$117,329
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	09/01/96- 08/31/99	96087201 \$172,624
Effective Communication & Utilization of the National Weather Service Critical Hydrometeorological Info...	Adams,Christopher R Vonderhaar,Thomas H	CIRA DOC-NOAA-NWS-National Weather Service	10/01/96- 09/30/97	96089501 \$156,530
Visiting Scientist for the COMET Satellite Meteorology Course	Kidder,Stanley O	CIRA UCAR-NCAR-COMET Atmospheric Tech. Divis.	09/01/96- 12/31/96	96093901 \$6,157
Algorithm Development for DMSP Satellite Data Processing & Analysis	Vonderhaar,Thomas H Eis,Kenneth E	CIRA DOC-NOAA-NESS-Nat Envir Satellite Service	10/01/96- 09/30/97	96094801 \$82,680
An Enhanced Geostationary Satellite Dataset for Atmospheric Water Vapor Studies	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	05/01/97- 04/30/00	96102701 \$262,919
Parameterizing Subgrid-scale Snow-cover Heterogeneity's for Use in Regional Global Climate Models	Pielke,Roger A Liston,Glen E	CIRA DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/00	96103101 \$215,668
Seasonal Predictability of Major Pan Americas Rainfall Regimes	Gray,William M	CIRA DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/00	96103201 \$361,808
Remote Sensing of Water Vapor in the Presence of Thin Cloud / Aerosol Layers	Cox,Stephen K Davis,John M	CIRA DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/00	96103301 \$264,300

College: Engineering-- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ A ₁
Analysis & Modeling of the Transport of Lightning-generated NO _x & Other Chemical Species...	Rutledge, Steven A	CIRA DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/00	96103401 \$173,428
Coupling Atmospheric, Ecologic, & Hydrologic Processes in a Regional Climate Model	Pielke, Roger A Walko, Robert L	CIRA DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/00	96103501 \$451,202
Influence of Landuse Change Patterns on Decadal & Longer Regional Tropospheric Layer Averaged...	Pielke, Roger A	CIRA DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/99	96103701 \$101,234
Tropical Air-sea Interactions in the Pacific & Indian Oceans	Jensen, Tommy G Randall, David A	CIRA DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/00	96104001 \$208,894

College: Natural Resources-- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ A₁
Land Condition Trend Analysis Field Support at Fort Huachuca, Arizona	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	08/01/96- 11/15/96	96079601 \$77,516
Timber Inventory & Vegetation Management Assessment at Fort Lee, Virginia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	08/09/96- 05/31/97	96079701 \$55,416
Land Condition Trend Analysis Technical Support at Fort Gordon, Georgia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	01/01/97- 09/30/97	96079801 \$55,217
ITAM & GIS Support at Fort Stewart, Georgia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 08/31/97	96079901 \$52,137
ITAM Program, Forestry, & Landscape Management for Headquarters, U.S. Training & Doctrine Command...	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	11/20/96- 11/19/97	96080001 \$90,221
Land Condition Trend Analysis Technical Support at Fort Huachuca, Arizona	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	10/28/96- 03/31/97	96080101 \$30,154
ITAM Program for DPTMS/Range Division at Fort Lewis, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/28/96- 09/27/97	96080201 \$62,670
Ecosystem Wildland Fire Management Plan Fire Fuels Type Vegetation Map of U.S. Army Lands...	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	08/01/96- 12/31/96	96080501 \$24,731
Land Condition Trend Analysis Data Analysis for Fort Sill, Oklahoma	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/01/96- 12/31/96	96087501 \$11,878
Wildlife Management Program Support for Yakima Training Center, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	10/01/96- 03/08/97	96089201 \$63,875
Forest Inventory & Management of Gypsy Moth, Old Growth Timber & High Value Timber, Fort A.P. Hill, VA	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	10/14/96- 10/13/97	96089301 \$68,300
Rare, Threatened, & Endangered Mammal & Bird Survey & Mapping for Holston Army Ammunition Plant, Kingsport...	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	07/10/96- 11/01/97	96090201 \$71,856
Intermittent, Arroyo, & Riparian Habitat for Fort Bliss, Texas	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	11/01/96- 10/31/97	96090301 \$214,654
Endangered Species Management Plan for Fort Bliss, Texas	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	10/14/96- 10/13/97	96099901 \$175,836
Legacy Resources Management Assistance	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	10/01/96- 07/05/97	96100801 \$99,878
Biological & Chemical Monitoring of Soda Butte Creek, Montana: Study on the Influence of Metals-Contaminated...	Flickinger,Stephen A Nimmo,Del Wayne R	Fishery & Wildlife Biology DOI-National Biological Survey	07/01/96- 09/30/97	96070901 \$15,000
Denver Water Board Inventory	Pague,Christopher A	Fishery & Wildlife Biology Denver Board of Water Commissioners	07/01/96- 12/31/96	96076001 \$17,170
Post Hurricane Restoration of Riparian Forests in Puerto Rico	Covich,Alan P	Fishery & Wildlife Biology NSF-Biological Centers	06/01/97- 05/31/01	96101501 \$200,632
Ecological Consequences of Water Management at Curecanti National Recreation Area	Johnson,Brett M	Fishery & Wildlife Biology DOI-NPS-National Park Service	10/01/96- 12/31/98	96104301 \$39,888
187 Re-187 Os Calibration of Molybdenite from Henderson, CO: A New Standard Reference Material	Morgan,John W Stein,Holly J	Earth Resources NSF-GEO-Geosciences	01/01/97- 12/31/98	96071101 \$154,131

College: Natural Resources-- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ A₁
Snow Distribution & Runoff Forecasting, Kings River Basin, California	Elder, Kevin J	Earth Resources DOD-ARMY-Corps of Engineers	08/15/96- 08/14/99	96086101 \$181,169
Karst Hydrology in the Humid Tropical Environments	Stednick, John D	Earth Resources NSF-SBE-Social, Behave & Econ Sciences	10/01/96- 11/30/96	96093701 \$13,500
Study of Possible LongTerm Declines in the Annual Probability of Survival in North American Birds	Anderson, David R Burnham, Kenneth P	Cooperative Fish & Wildlife Research DOI-National Biological Survey	09/01/96- 12/01/97	96072301 \$25,504
Upper Missouri River Basin Hydrology Project	Ojima, Dennis Parton, William J	Natural Resource Ecology Lab South Dakota School of Mines	01/01/97- 12/31/01	96072701 \$662,017
Land Use Change in the East African Savannas: A Case Study of Northern Tanzania	Galvin, Kathleen Ellis, James E	Natural Resource Ecology Lab NSF-SBE-Social, Behave & Econ Sciences	01/01/97- 12/31/99	96079501 \$470,000
Nematode & Soil Ecological Responses to Synthetic Environments in Biosphere 2	Freckman, Diana Niles, Robert K	Natural Resource Ecology Lab Biosphere 2 Center, Inc.	09/01/96- 08/31/97	96084001 \$20,000
Management of the Buffer Zone at the Rocky Flats Environmental Technology Site	Elliott, Edward T Kennedy, Patricia L	Natural Resource Ecology Lab E.G. & G. Rocky Flats, Inc.	10/01/96- 09/30/98	96084301 \$1,634,551
An Integrated Management & Policy System for Conserving Biodiversity in Spatially Extensive Pastoral Eco...	Coughenour, Michael B Galvin, Kathleen	Natural Resource Ecology Lab DOS-AID-Agency for Inter. Development	11/01/96- 10/31/97	96094401 \$111,303
Regional Analysis of Vulnerability to El Nino Dynamics in Southern Africa & Assessment of Intervention...	Galvin, Kathleen Coughenour, Michael B	Natural Resource Ecology Lab DOC-NOAA-Nat Climate Program Office	05/01/97- 04/30/00	96103801 \$307,255
Integrated System for Environmental Education	Ojima, Dennis	Natural Resource Ecology Lab CCHE-Commission on Higher Education	10/15/96- 06/30/97	96108101 \$20,000

College: Natural Sciences-- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ A₁
GENESIS: Gender Equity Systemic Initiative in Science & Mathematics Center for Science	Jones,Christine S Stein,Fredrick M	Center for Science, Math & Tech Educ NSF-EHR-Education & Human Resources	05/01/97- 04/30/00	96094001 \$842,685
Voices for Retention- Perspectives on Success in Secondary & Postsecondary Science & Mathematics...	Timpson,William M	Center for Science, Math & Tech Educ CCHE-Commission on Higher Education	10/01/96- 06/30/97	96108601 \$20,000
Dependence of Neurite Outgrowth & Regeneration on ADF Activity	Bamburg,James R Meberg,Peter	Biochemistry & Molecular Biology American Paralysis Association	03/01/97- 02/28/98	96079101 \$43,885
AM 500 NMR Spectrometer Console Upgrade	Lumb,Kevin J	Biochemistry & Molecular Biology NSF-Biological Centers	01/01/97- 12/31/97	96081601 \$239,579
Mechanism of Interaction between HTLV1 Tax & CBP	Nyborg,Jennifer K Yan,Jian-ping	Biochemistry & Molecular Biology HHS-NRSA-Nat. Research Service Award	01/01/97- 12/31/99	96084601 \$83,500
Supply Custom Oligonucleotides for PCR & Sequencing Applications	Fiol,Carol J	Biochemistry & Molecular Biology HHS-NIH-NCI-National Cancer Institute	09/28/96- 09/26/97	96086601 \$375,000
Repression of c-myb Function by the HTLV1 Tax Protein	Nyborg,Jennifer K Colgin,Mark	Biochemistry & Molecular Biology HHS-NRSA-Nat. Research Service Award	01/01/97- 12/31/99	96087301 \$114,908
Actin Reorganization via Casignaling in Growth Cones	Bamburg,James R	Biochemistry & Molecular Biology HHS-DRR-Fogarty International Center	06/01/97- 05/31/99	96100301 \$72,100
Repression of c-Myb Function by the HTLV1 Protein Tax	Nyborg,Jennifer K Colgin,Mark	Biochemistry & Molecular Biology American Cancer Society, Inc.	07/01/97- 06/30/00	96100601 \$78,000
Mechanisms of Interaction Between HTLV1 Viral Tax & CREB Binding Protein	Nyborg,Jennifer K Yan,Jian-ping	Biochemistry & Molecular Biology American Cancer Society, Inc.	07/01/97- 06/30/00	96100701 \$78,000
Photosynthetic Integral Membrane Protein Structure	Schenck,Craig C	Biochemistry & Molecular Biology HHS-PHS-Public Health Services	07/01/97- 06/30/01	96102201 \$1,461,802
ADF as a Target of Signals which Regulate Neuronal Growth & Navigation	Bamburg,James R Meberg,Peter	Biochemistry & Molecular Biology Life Sciences Research Foundation	06/01/97- 05/31/00	96104501 \$105,000
Mechanism of Transcriptional Activation	Lumb,Kevin J	Biochemistry & Molecular Biology Searle Scholars Award	07/01/97- 06/30/00	96104701 \$180,000
Theoretical & Experimental Investigation of the Structures of Two Dimensional Molecular Phases...	Parkinson,Bruce A Rappe,Anthony K	Chemistry NSF-MPS-Mathematical & Physical Sciences	01/01/97- 12/31/00	96071701 \$330,843
Synthesis of a Surface Confined Porous Aluminum Oxide Film Containing an Electroactive Graphite Material	Martin,Charles R	Chemistry SI Diamond Technology, Inc.	06/01/96- 12/31/96	96079001 \$36,000
Novel Approach Toward the Synthesis of the Terpendoles	Meyers,Albert I James,Brian L	Chemistry HHS-NRSA-Nat. Research Service Award	01/01/97- 12/31/98	96080401 \$25,608
Structure, Photophysics, & Photochemistry of Silver Halide Clusters	Bernstein,Elliot R Kelley,David F	Chemistry NSF-MPS-Mathematical & Physical Sciences	01/01/97- 12/31/99	96080601 \$393,287
Total Synthesis of a Cytotoxic Macrolide	Meyers,Albert I Reeder,Michael R	Chemistry HHS-NRSA-Nat. Research Service Award	01/01/97- 01/01/99	96081501 \$25,608
New Methodology for the Synthesis of Oligonucleotide Bioconjugates	Greenberg,Marc M	Chemistry CATI-Colo. Advanced Technology Institute	01/01/97- 06/30/97	96087901 \$600
Statistical Mechanical Theory of Dynamics of Supercooled Liquids	Szamel,Grzegorz	Chemistry Research Corporation / Foundation	08/01/97- 07/30/99	96094601 \$50,000

College: Natural Sciences-- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ A₁
NMR Console Upgrades	Anderson,Oren P	Chemistry NSF-MPS-Mathematical & Physical Sciences	01/01/97- 12/31/97	96100201 \$281,530
A Novel Approach Toward the Synthesis of the Terpendoles: Potent Chemotherapy Agents	Meyers,Albert I James,Brian L	Chemistry American Cancer Society, Inc.	07/01/97- 06/30/99	96100501 \$50,600
Effects of Formamidopyrimidine Lesions on Nucleic Acid Structure & Function	Greenberg,Marc M	Chemistry HHS-PHS-Public Health Services	07/01/97- 06/30/01	96102101 \$639,963
Developing New Methods for Asymmetric Epoxidation of Unfunctionalized Olefins	Shi,Yian	Chemistry Arnold & Mabel Beckman Foundation	07/01/97- 06/30/99	96104601 \$200,000
Multisensor Target Recognition in the Context of Partially Modeled Scenes	Beveridge,J Ross	Computer Science DOD-ARMY-Advanced Concepts & Technology	01/01/97- 12/31/98	96083301 \$351,132
Learning to Populate Geospatial Databases via Markov Decision Processes	Draper,Bruce	Computer Science DOD-ARMY-Advanced Concepts & Technology	01/01/97- 12/31/98	96083401 \$330,776
Image Understanding Environment: Image Object Hierarchical Representations, Data Excha...	Beveridge,J Ross	Computer Science Battelle, Research Park Triangle	10/01/96- 09/30/97	96084401 \$19,958
Scaleable Visual Interfaces to Support Program Comprehension & Debugging	Vonmayrhauser,A	Computer Science University of Colorado	07/01/97- 06/30/00	96094501 \$114,075
Flexible Automated Software Test Generation using AI Planning Technology	Vonmayrhauser,A Howe,Adele	Computer Science NSF-CISE-Computer & Info Sci & Engin	08/15/97- 08/14/00	96094901 \$223,768
Supportive Methodology & Tools for Modelbased Planner Debugging	Howe,Adele	Computer Science DOD-ARPA-Advanced Research Proj. Agency	01/01/97- 12/31/99	96107301 \$339,544
Test Bed Instrumentation for the Analysis of Microwave 7 Millimeter Wave Devices	Kabos,Pavel	Physics DOD-ARMY-ARO-Army Research Office	03/01/97- 02/28/98	96095901 \$212,325
High Pressure Study of Incommensurate Systems	Hochheimer,Hans D	Physics NSF-MPS-Mathematical & Physical Sciences	05/01/97- 04/30/00	96100101 \$316,263
Anger Management to Prevent Alcohol Abuse Consequences	Deffenbacher,Jerry L Oetting,Eugene R	Psychology HHS-PHS-Alcohol Research Programs	07/01/97- 06/30/02	96100401 \$1,356,421
Development & Initial Exploration Trials for Bowhead Aboriginal Whaling Management Procedures	Givens,Geof H	Statistics Alaska Department of Wildlife Management	08/15/96- 06/30/97	96082301 \$66,541
Analysis of DNA Breaks During Meiosis in Higher Plants - A Test of Current Models for Recombination	Stack,Stephen	Biology NSF-Biological Centers	01/01/97- 12/01/99	96077401 \$311,326
Interacting Partners of Aminoterminal Region of a New Member of a Kinesin Superfamily	Reddy,A	Biology DOE-Office of Energy Research	12/15/96- 12/14/99	96083501 \$324,126
Genetic (OTL) Analysis of Ovicidal Behavior in an Outbreeding Parasitoid Wasp	Antolin,Michael F	Biology NSF-Biological Centers	03/01/97- 02/28/00	96109201 \$298,683

College: Veterinary Medicine & Biomedical Sciences- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ A₁
Physiological Effects of Central Core Disease Mutations	Dirksen,Robert T	Anatomy & Neurobiology Muscular Dystrophy Association, Inc.	01/01/97- 12/31/99	96072401 \$162,451
Heterotypic Connexin Types in Heterologous Glial Gap Junctions	Rash,John E Duffy,Heather	Anatomy & Neurobiology HHS-NRSA-Nat. Research Service Award	01/01/97- 12/31/98	96081401 \$13,008
Molecular Characterization of K ⁺ Channels in Taste Cells	Kinnamon,Sue C Stone-Roy,Leslie M	Anatomy & Neurobiology HHS-NRSA-Nat. Research Service Award	02/01/97- 01/31/00	96082001 \$89,700
Calcium Channel Localization & Function in Motoneurons	Beam,Kurt G Lorenzon,Nancy M	Anatomy & Neurobiology HHS-NRSA-Nat. Research Service Award	01/01/97- 01/01/00	96082101 \$89,700
Pharmacological Contributions of GluRB to Allosteric Modulation of AMPA Receptors	Partin,Kathryn M	Anatomy & Neurobiology Pharmaceutical Res./Mfr. of Amer. Found	01/01/97- 12/31/97	96092601 \$12,500
Role of Estrogen & Progesterone in Catamenial Epilepsy	Dudek,F Edward Suter,Kelly J	Anatomy & Neurobiology American Epilepsy Foundation	07/01/97- 06/30/98	96093301 \$40,000
Transcriptional Mechanisms of Aging & Alzheimer's Disease	Neuman,Toomas	Anatomy & Neurobiology Alzheimer's Association	02/01/97- 01/31/00	96095101 \$150,000
Control of Calcium Movement in Muscle	Dirksen,Robert T	Anatomy & Neurobiology HHS-PHS-Public Health Services	07/01/97- 06/30/02	96101601 \$484,604
Signaling Between Calcium Channels	Beam,Kurt G	Anatomy & Neurobiology Harvard University	07/01/97- 06/30/02	96103901 \$1,103,062
Functional Analysis of the AMPAR Flip / Flop Domain	Partin,Kathryn M	Anatomy & Neurobiology HHS-PHS-Public Health Services	07/01/97- 06/30/02	96104101 \$507,500
Cross-species Transplantation of Circadian Behavior	Pickard,Gary E	Anatomy & Neurobiology HHS-PHS-Public Health Services	08/01/96- 01/31/00	96107101 \$844,053
Antigen Presentation During Malaria Infection	Avery,Anne C	Pathology WHO-World Health Organization	01/01/97- 12/31/98	96080701 \$31,729
Niemann-Pick Type C: Investigations in a Feline Model	Thrall,Mary Anna Royals,Kyra L	Pathology HHS-NRSA-Nat. Research Service Award	07/01/97- 06/30/00	96081701 \$89,700
Cytokine Profiles in the Progression of FIV Infection	Hoover,Edward A Avery,Paul R	Pathology HHS-NRSA-Nat. Research Service Award	09/01/96- 08/31/99	96081801 \$93,600
Pathogenesis & Intervention of Prenatal FIV Infection	Hoover,Edward A Rogers,Arlin B	Pathology HHS-NRSA-Nat. Research Service Award	09/01/96- 08/31/99	96081901 \$93,600
Modulation of T-cell Responses to B. burgdorferi	Golde,William T	Pathology HHS-PHS-Public Health Services	07/01/97- 06/30/02	96101101 \$1,318,395
Arthropod-based Vaccines to Control Disease Transmission	Titus,Richard Nelson,Ann M	Pathology HHS-PHS-Public Health Services	07/01/97- 06/30/02	96102301 \$390,712
Mechanisms of Malaria Resistance: Roles of Alpha Spectrin Polymorphism's & Rate of Erythropoiesis	Swardson,Christine J	Pathology Searle Scholars Award	07/01/97- 06/30/00	96107401 \$180,000
Pathogenesis of Diabetic Neuropathy 09	Ishii,Douglas N	Physiology HHS-PHS-Biol Basis Research in Neurosci	04/01/97- 03/31/01	96078801 \$1,235,788
High Plains Intermountain Center for Agricultural Health & Safety	Buchan,Roy M	Environmental Health HHS-Occup Safety/Health Research Grants	09/30/96- 09/29/01	96071301 \$3,749,455

College: Veterinary Medicine & Biomedical Sciences- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ A₁
Prevention of Oxidative DNA Damage in Human Breast Cells by Melatonin	Cosma,Greg N	Environmental Health American Cancer Society, Inc.	09/01/96- 08/31/97	96086001 \$14,026
Occupational Health & Safety Consultation Program	Buchan,Roy M	Environmental Health DOL-OSHA-Occupa. Safety & Health Admin.	10/01/96- 09/30/97	96087401 \$486,600
Geographic Information System for Agricultural Chemicals Exposure	Nuckols,John R	Environmental Health Survey Research Assoc, Inc./sub Battelle	08/01/96- 01/31/97	96088901 \$49,996
Studies of Chemical Disposition in Mammals	Yang,Raymond S H Billings,Ruth E	Environmental Health HHS-NIH-Environmental Health Services	07/01/97- 06/30/02	96090101 \$3,169,033
Epidemiology of Vesicular Stomatitis in the Western Hemisphere	Salman,Mowafak D	Environmental Health USDA-OICD-International Coop. Develop.	08/15/96- 09/30/97	96094101 \$48,990
Colorado Environmental Health Science Education Project	Mccalden,Thomas A Stein,Fredrick M	Environmental Health HHS-NIH-Nat. Ctr. for Research Resources	08/01/97- 07/31/00	96100901 \$729,514
Historical Prospective Study: Breast Cancer & Organochlorine Pesticides & Polychlorinated Biphenyl's	Keefe,Thomas J	Environmental Health HHS-PHS-Public Health Services	07/01/97- 06/30/99	96101001 \$71,187
Assessment of Molecular Epidemiology of Waterborne Cryptosporidium with Respect to Origin	Klein,Donald A Black,William C Iv	Microbiology American Water Works Assoc. Research Fd.	01/01/97- 12/30/98	96078901 \$250,000
Longitudinal Studies of Rodent Reservoirs of Hantaviruses in the Southwestern United States	Beaty,Barry J Calisher,Charles H	Microbiology HHS-CDC-Centers for Disease Control	10/01/96- 09/30/97	96085801 \$135,971
Molecular Taxonomy of Lyme Disease Vector Species	Black,William C Iv Hutcheson,Harry Joel	Microbiology HHS-NRSA-Nat. Research Service Award	01/01/97- 12/31/99	96085901 \$74,908
Rapid Identification of Molecular Reporters of Potential Virus Bioweapons	Beaty,Barry J	Microbiology DOD-ARPA-Advanced Research Proj. Agency	11/01/96- 10/31/99	96089001 \$859,037
Pathogen Countermeasures	Beaty,Barry J	Microbiology DOD-ARPA-Advanced Research Proj. Agency	11/01/96- 10/31/01	96092701 \$1,723,650
Selection of Aedes aegypti Refractory to Dengue Virus	Black,William C Iv	Microbiology HHS-PHS-Public Health Services	07/01/97- 06/30/00	96102401 \$204,061
Molecular Determinants of Dengue Epidemic Potential in North America	Beaty,Barry J	Microbiology HHS-PHS-Public Health Services	07/01/97- 06/30/00	96102501 \$1,061,812
Survival of Fusobacterium Species in Macrophages	Gentry-Weeks,Claudia	Microbiology HHS-PHS-Public Health Services	07/01/97- 07/01/02	96102601 \$507,285
Investigation into the Role of Vitamin E in Pathogenesis & Therapy of Chronic Hepatitis in Doberman Pinschers	Twedt,David C	Clinical Sciences Doberman Pinscher Foundation of America	10/01/96- 03/01/98	96084101 \$4,946
Electrophysiological Assessment of Caudal Cervical Nerve Root & Spinal Cord Function as a Predictor of Injury Sev...	Cuddon,Paul A	Clinical Sciences Doberman Pinscher Foundation of America	11/01/96- 11/01/97	96084201 \$5,000
Evaluation of Cisplatin in Combination with a Biologic Response Modifier in a Rodent Mammary Carcinoma Model	Dernell,William S	Clinical Sciences University of Colorado School of Pharma	08/01/96- 06/30/97	96087601 \$30,589
In Vivo Expression of Human Interleukin1 Receptor Antagonist	McIlwraith,C Wayne Frisbie,David D	Clinical Sciences Burroughs-Wellcome Fund Foundation	07/01/97- 06/30/03	96101201 \$563,000
Use of Oral Cosequin to Prevent Articular Damage in the Middle Carpal Joint of Exerci...	Baxter,Gary M Trotter,Gayle W	Clinical Sciences Nutramax Laboratories, Inc.	07/01/96- 06/30/97	96104401 \$29,000

College: Other-- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ A₁
Library Research Skills: Professional Development Workshops for K-12 Teachers	Lederer,Naomi J	Library CCHE-Commission on Higher Education	10/01/96- 06/30/97	96108501 \$19,980
RAMS Rooms: Rapid Access to Multimedia Services Classrooms	Maher,Thomas G	Instructional Services CCHE-Commission on Higher Education	10/01/96- 06/30/97	96082201 \$499,256
Cairo Air Improvement Project- On-campus Portion	Niehaus,Merle H Wolff,Birgit H	International Research & Development CID-Consortium for Inter. Development	07/01/96- 06/30/03	96104201 \$1,507,655
Cairo Air Improvement Project- Off-campus Portion	Niehaus,Merle H Wolff,Birgit H	International Research & Development CID-Consortium for Inter. Development	07/01/96- 06/30/03	96108702 \$669,297
Sustainable Development - Information Challenge	Ward,Robert C	Colorado Water Resources Res Inst EPA-Water Pollution Control/R&D	10/01/96- 09/30/97	96086201 \$64,444
Nutrition Education for Colorado Springs Limited Income	Bray,Colleen R	Cooperative Extension City of Colorado Springs	01/01/97- 12/31/97	96085701 \$18,738
Nutrition Education for Colorado Elderly	Bray,Colleen R	Cooperative Extension CompreCare Foundation	10/01/96- 09/30/97	96088801 \$10,000
Colorado Youth Council (Year 2)	Millich,Krystie Rose Martin,Dorothy	Cooperative Extension Colorado Department of Education	07/01/96- 06/30/97	96089101 \$10,000
Colorado STAND Newsletter- Youth Based / Directed Alcohol & Other Drug Prevention Program	Luevane,Carmen	Cooperative Extension City of Fort Collins / Team Fort Collins	09/01/96- 06/30/97	96093201 \$2,000

Section III

Awards Received for Current Quarter

College: Agricultural Sciences -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/97	6751 \$900
Scientific Services - Jill D. Wick	Holm, David G	San Luis Valley Research Center San Luis Valley Research Ctr. Committee	08/01/94- 06/30/97	6363 \$31,806
Potato Variety Testing	Holm, David G Alldredge, Jerry K	San Luis Valley Research Center Potato Administration of Colorado	07/01/95- 06/30/97	6368 \$1,850
Processing Characteristics	Maga, Joseph A	San Luis Valley Research Center Potato Administration of Colorado	07/01/96- 06/30/97	6373 \$5,400
Potato Variety Development	Holm, David G Davidson, Robert D	San Luis Valley Research Center Potato Administration of Colorado	07/01/95- 06/30/97	6378 \$42,200
Agronomic Research in Western Colorado	Pearson, Calvin H	Western Slope - Fruita Various "Non-Profit" Sponsors	07/01/91- 06/30/97	6667 \$1,750
Training & Education for Agricultural Chemicals & Groundwater	Waskom, Reagan M	Soil & Crop Sciences Colorado Department of Agriculture	07/01/96- 06/30/97	0934 \$125,600
Field Studies & Modeling of Cropping Impact on Water Quality in East Colorado	Peterson, Gary A Butters, Gregory	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	06/01/94- 05/31/99	2055 \$60,000
Field Studies & Modeling of Cropping Systems & their Impact on Water Quality in East Colorado	Peterson, Gary A Butters, Gregory	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	06/01/94- 05/31/99	2055 \$110,000
Soil Survey & Soil Survey Certificate	Kelly, Eugene F Cipra, Jan E	Soil & Crop Sciences USDA-SCS-Soil Conservation Service	04/30/96- 12/31/96	2073 \$900
Precision Farming to Protect Water Quality & Conserve Resources	Sommers, Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	09/01/96- 08/31/01	2079 \$90,000
Development of Improved Quality & HIG Yield in Wheat Germplasm in Colorado	Johnson, Jerry J	Soil & Crop Sciences Colorado Wheat Administrative Commission	07/01/96- 06/30/97	6029 \$5,000
Development of Improved Quality & HIG Yield in Wheat Germplasm in Colorado	Quick, James S Shanahan, John	Soil & Crop Sciences Colorado Wheat Administrative Commission	07/01/95- 06/30/97	6111 \$55,000
Evaluation of Milling & Baking Performance of Colorado Wheat's	Quick, James S Lorenz, Klaus J	Soil & Crop Sciences Colorado Wheat Administrative Commission	07/01/96- 06/30/97	6115 \$6,000
Soil Fertility Studies	Westfall, Dwayne G	Soil & Crop Sciences Various "For Profit" Sponsors	04/01/91- 06/30/98	6642 \$5,450
Determination of Rhizobial Abundance on Alfalfa Seed	Doxtader, Kenneth G	Soil & Crop Sciences Various "For Profit" Sponsors	06/01/92- 06/30/97	6746 \$920
Seed Viability & Storage Research	Sommers, Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/95- 09/30/96	8012 \$15,250
Incidence, Severity, & Amount of Tissue Affected & Effect on Histology, Chemistry & Tenderness...	Smith, Gary C Tatum, Joseph D	Animal Sciences Nat'l Cattlemen's Beef Association	11/01/95- 12/31/96	5055 \$8,960
Measuring the Value of Threatened & Endangered Species	Loomis, John B	Agricultural & Resource Economics DOI-Bureau of Reclamation	04/04/96- 04/30/98	1714 \$6,500
A Study of Sustainability as Applied to Soil Conservation	Hoag, Dana L	Agricultural & Resource Economics USDA-NRCS-Natural Resources Consvtn Srv	08/09/96- 03/31/97	2040 \$4,075

College: Agricultural Sciences -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Economic & Ecological Sustainability on the Colorado Plateau	Spencer,William P McKean,John R	Agricultural & Resource Economics DOI-National Biological Survey	08/01/95- 12/30/97	4167 \$15,000
Service of Jerry Eckert - University of Stellenbosch	Gray,Sanford L	Agricultural & Resource Economics University of Stellenbosch	02/01/93- 12/31/97	5681 \$20,528
Measuring Societal Perceptions, Attitude & Economic Benefits of Ecological Integrity...	Loomis,John B Covich,Alan P	Agricultural & Resource Economics Environmental Protection Agency	07/20/96- 07/19/98	5805 \$114,998
Electroconductivity Test to Evaluate Seed Quality	Moore,Frank D III Roos,Eric E (ADODR)	Horticulture & Landscape Arch USDA-ARS-NPA-National Seed Storage Lab	09/09/94- 07/25/99	2000 \$9,000
Use of Zeoponic Mixtures for Sand-based Turfgrass Culture	Koski,Anthony J	Horticulture & Landscape Arch Boulder Innovative Technologies, Inc.	05/28/96- 02/01/97	2713 \$10,536
Spectroscopy to Identify Potato Cultivar	Stushnoff,Cecil	Horticulture & Landscape Arch Potato Administration of Colorado	07/01/95- 06/30/97	6384 \$5,000
Flower Trial Garden	Klett,James E	Horticulture & Landscape Arch Various "Non-Profit" Sponsors	02/01/93- 12/31/96	6636 \$550
Flower Trial Garden	Klett,James E	Horticulture & Landscape Arch Various "Non-Profit" Sponsors	02/01/93- 12/31/96	6636 \$600
Turfgrass Production	Koski,Anthony J	Horticulture & Landscape Arch Jacklin Seed Company	07/01/93- 06/30/97	6853 \$6,257
Development of a Bioeconomic Model for Integrating Jointed Goatgrass Management in Winter Wheat	Westra,Philip	Plant Pathology & Weed Science Washington State University	04/01/95- 03/31/99	1300 \$38,250
Invasion of Rangeland by Aggressive Perennial Weeds: Ecology & Management	Beck,K George Coffin,Debra P	Plant Pathology & Weed Science USDA-CSRS-CGP-Competitive Grants Program	09/01/96- 08/31/99	1404 \$125,768
Field Evaluation of Barley Germplasm for Reaction to Barley Stripe Rust	Brown,William M Jr	Plant Pathology & Weed Science USDA-ARS-Agricultural Research Service	06/01/96- 05/31/01	2067 \$25,000
Cooperative Agricultural Pest Survey	Brown,William M Bjostad,Louis B	Plant Pathology & Weed Science USDA-APHIS-Ag & Plant Health Insp Service	05/30/96- 09/30/96	2076 \$20,000
Atrazine Analysis of Ardec Soil	Westra,Philip Peterson,Gary	Plant Pathology & Weed Science USDA-ARS-Agricultural Research Service	06/01/94- 05/31/99	2080 \$15,000
Transformation & Regeneration of Pelar gonium hortorum sp. with AntiACC Synthase Gene(s)	Ranu,Rajinder S	Plant Pathology & Weed Science Tagawa Greenhouses, Inc.	09/01/96- 06/30/01	6210 \$60,000
Northeast Potato Late Blight Survey	Schwartz,Howard F Hill,Joseph P	Plant Pathology & Weed Science Potato Administration of Colorado	07/01/96- 06/30/97	6371 \$10,000
Ring Rot Bacterium	Ishimaru,Carol A	Plant Pathology & Weed Science Potato Administration of Colorado	07/01/95- 06/30/97	6375 \$25,000
Biological Control of Bacterial Diseases in Potatoes	Ishimaru,Carol A	Plant Pathology & Weed Science Potato Administration of Colorado	07/01/95- 06/30/97	6380 \$5,000
Potato Disease Research - Early Blight & Tuber Rot	Hill,Joseph P	Plant Pathology & Weed Science Potato Administration of Colorado	07/01/96- 06/30/97	6382 \$6,000
Potential Losses of EPTAM during Sprinkler Application & the Influence of Soil Moisture...	Nissen,Scott	Plant Pathology & Weed Science Potato Administration of Colorado	07/01/95- 06/30/97	6386 \$9,100

College: Agricultural Sciences -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Exploratory Uses of Frontier: Potential New Herbicide for Potatoes	Nissen,Scott	Plant Pathology & Weed Science Potato Administration of Colorado	07/01/96- 06/30/97	6387 \$5,000
Winter Annual Grass Weed Research in Wheat	Westra,Philip	Plant Pathology & Weed Science Colorado Wheat Administrative Commission	07/01/96- 06/30/97	6597 \$10,000
Dry Bean & Onion Disease Management Environmental Monitoring	Schwartz,Howard F	Plant Pathology & Weed Science Various "Non-Profit" Sponsors	05/01/90- 12/31/96	6628 \$675
Genetic Manipulation of Flower Plants	Ranu,Rajinder S	Plant Pathology & Weed Science Tagawa Greenhouses, Inc.	02/10/93- 06/30/97	6804 \$72,000
GIS - Based Landscape-Scale Root Disease Hazard Rating System	Jacobi,William R	Plant Pathology & Weed Science USDA-USFS-Forest Research	05/18/95- 09/30/97	8828 \$13,200
A National Integrated Pest Management	Holtzer,Thomas O MacRae,Ian V	Entomology Virginia Polytechnic Institute	10/01/95- 09/30/96	1313 \$12,500
Cost Effective, Environmentally Sound Management of Russian Wheat Aphid	Holtzer,Thomas O	Entomology USDA-CSRS-Coop. States Research Service	08/01/94- 07/31/97	1412 \$85,518
Structured Release of Russian Wheat Aphid's Natural Enemies	Holtzer,Thomas O	Entomology USDA-APHIS-Ag & Plant Health Insp Service	12/01/95- 11/30/96	2034 \$15,000
Cooperative Agricultural Pest Survey	Bjostad,Louis B	Entomology USDA-APHIS-Ag & Plant Health Insp Service	05/30/96- 09/30/96	2077 \$5,000
Integrated Pest Management of Cereal Enemy / Aphids on the Great Plains	Peairs,Frank B	Entomology USDA-ARS-Agricultural Research Service	09/01/92- 08/31/97	2108 \$10,000
Population Biology & Impact of Natural Introduction for Control of Russian Wheat Aphid...	Holtzer,Thomas O Antolin,Michael F	Entomology USDA-ARS-Agricultural Research Service	02/01/93- 09/30/97	2137 \$7,000
Alfalfa-grass Mixtures for Pesticide Reduction & Development of Expanded Hay Markets	Peairs,Frank B Rieske,Lynne K	Entomology Boulder County Parks & Open Spaces	04/01/96- 03/31/00	5121 \$3,272
Development of Winter Wheat Varieties / RWA	Peairs,Frank B	Entomology Colorado Wheat Administrative Commission	07/01/96- 06/30/97	6681 \$15,000

College: Applied Human Sciences -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Rocky Mountain Teacher Education Collaborative	Stein,Fredrick M Hartley,Nancy K	Dean of Applied Human Sciences University of Northern Colorado	09/01/96- 05/31/97	3454 \$162,631
DARE To Be You Head Start Consortium	MacPhee,David L Fritz,Janet J	Human Development & Family Studies HHS-ACF-Admin. for Children & Families	09/30/96- 09/29/97	4414 \$150,000
Vacuum Processing of Wheat in Space	Stone,Martha B Maga,Joseph A	Food Science & Human Nutrition NASA-Johnson Space Center	09/01/96- 08/31/97	1934 \$22,000
Evaluation of Two Types of Liquid Honey in Various Ethnic Flat Breads	Stone,Martha B	Food Science & Human Nutrition The National Honey Board	07/01/96- 10/31/97	5109 \$10,000
Evaluation of Liquid Honey in Bagels Made with Selected Flours	Stone,Martha B	Food Science & Human Nutrition The National Honey Board	08/01/96- 10/31/97	5110 \$19,000
Technology Application Assessment	Gregory,Susan R Smith,Kenneth D	Food Science & Human Nutrition Tradeware Technologies, Inc.	03/23/96- 03/23/97	6171 \$416
Employee Satisfaction & Commitment Evaluation	Gregory,Susan R Smith,Kenneth	Food Science & Human Nutrition Performance Management Company, Inc.	06/07/96- 08/24/96	6188 \$9,175
Students' Entrepreneurial Education Research Project (SEERP)	Gliner,Jeffrey A Sample,Pat L	Occupational Therapy DE-Special Education-Innovation & Devlpm	09/01/96- 08/31/97	4201 \$141,629
Assistive Technology Training for Occupational Therapy	Spencer,Karen Clark	Occupational Therapy DE-Special Educ/Personnel Dev & Prntl Tr	08/01/96- 07/31/97	4257 \$110,646
Development of a Performance Evaluation for Gerontology	Fisher,Anne G	Occupational Therapy HHS-PHS-Aging Research	09/01/96- 08/31/97	7634 \$203,361
Care Access & Life Outcomes following Traumatic Brain Injury: A Multicultural & Gender...	Sample,Pat L	Occupational Therapy HHS-CDC-Environ. Health & Injury Control	09/01/96- 08/31/97	7703 \$39,347
IVHS for Voluntary Emissions Reduction	Wolff,Birgit H Bohren,Lenora	Manufacturing Tech & Constrtn Mgmt Colorado Department of Transportation	11/14/94- 10/31/96	0722 \$15,000
Facility & Site Evaluation Services to Burlington School District	Dunn,G Richard	Manufacturing Tech & Constrtn Mgmt Burlington School District RE-6J	08/01/96- 06/30/97	5131 \$9,777
National Center for Vehicle Emissions Control & Safety Grant	Wolff,Birgit H Sutton,John R	Manufacturing Tech & Constrtn Mgmt Environmental Protection Agency	09/01/94- 08/31/97	5840 \$57,376
Radon Prevention in the Design & Construction of Schools & Other Large Buildings	Thorburn,Mark S	Manufacturing Tech & Constrtn Mgmt Environmental Protection Agency	04/05/95- 12/31/96	5844 \$4,553
Animal Assisted Therapy Program to Skyview Elementary School	Granger,Ben P	Social Work Frederick H Leonhardt Foundation	07/01/96- 06/30/97	5424 \$5,085
Program of Excellence	Richburg,Robert W	School of Education CCHE-Commission on Higher Education	07/01/96- 06/30/97	0944 \$200,000
Nontraditional Teacher Education Assistantship	Schneider,Sherrie	School of Education C.D. of Ed./Comm. College & Occup. Ed.	07/01/96- 06/30/97	0945 \$24,189
Tech Prep Technical Assistance	Schneider,Sherrie	School of Education C.D. of Ed./Comm. College & Occup. Ed.	07/01/96- 06/30/97	0946 \$40,000
Project F.O.C.U.S. (2) - Females Focusing on Careers in Underrepresented Sciences	Carson,Sharon	School of Education C.D. of Ed./Comm. College & Occup. Ed.	07/01/96- 06/30/97	0947 \$40,000

College: Applied Human Sciences -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Vocational Credentialing & Testing Services	Hollingsworth,Jay E	School of Education C.D. of Ed./Comm. College & Occup. Ed.	07/01/96- 06/30/97	0948 \$76,765
Career, Labor Market & Equity Clearinghouse	Feller,Richard	School of Education C.D. of Ed./Comm. College & Occup. Ed.	07/01/96- 06/30/97	0949 \$43,093
Vocational Credentialing	Hollingsworth,Jay E	School of Education CCHE-Commission on Higher Education	07/01/96- 06/30/97	0951 \$13,000
Standards Alignment Through Partnership	Mantle-Bromley,C	School of Education CCHE-Commission on Higher Education	07/01/96- 06/30/97	0978 \$49,982
Aiming for the Future	Lehmann,Jean P	School of Education DE-Dept. of Devel. Post-Secondary	01/01/97- 12/31/97	4209 \$114,911
Critical Issues Work	Mantle-Bromley,C Blocker,Sharon L	School of Education Colorado Partnership/Educational Renewal	10/01/95- 12/31/96	5081 \$8,000
Even Start Program	Love,Cathleen T	School of Education Poudre R-1	07/01/96- 06/30/97	5301 \$17,477

College: Liberal Arts -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Center for Research on Writing & Communication Technologies	Palmquist,Michael E Zimmerman,Donald E	English CCHE-Commission on Higher Education	07/01/96- 06/30/97	0950 \$100,000
Survey of National Park Service Classified Structures	Berwanger,Eugene H	History DOI-NPS-National Park Service	06/01/96- 10/01/97	1770 \$12,222
Survey of National Park Service Classified Structures	Berwanger,Eugene H	History DOI-NPS-National Park Service	06/01/96- 12/31/97	1770 \$4,483
Center for Biomedical Research in Music	Thaut,Michael H	Music, Theatre & Dance CCHE-Commission on Higher Education	07/01/96- 06/30/97	0927 \$184,530
Outdoor Cafe Theatre of the Colorado State University Theatre	Burns,Morris U	Music, Theatre & Dance City of Fort Collins - Fort Fund	01/24/96- 01/24/97	5114 \$3,000
Transformation of Brazilian Environmental Policy & Its Impact	Peak,G Wayne	Political Science Institute for the Study/World Politics	07/01/96- 03/31/97	5112 \$4,000
St. Martin's International Relations Text	Lamborn,Alan C	Political Science St. Martin's Press / Bedford Books	08/26/96- 12/31/96	6199 \$7,476
Irrigation Enterprise Management Study	Wilkins-Wells,John R Anderson,Raymond L	Sociology DOI-Bureau of Reclamation	02/12/96- 01/31/99	4185 \$14,000
Optimizing & Evaluating Alcohol Warnings in TV Ad's	Slater,Michael D	Journalism & Technical Communications HHS-PHS-Alcohol Research Programs	08/01/96- 07/31/97	7697 \$179,828
Communication & Public Education Core 2: Injury Prevention Center	Stallones,Lorann Slater,Michael D	Journalism & Technical Communications HHS-CDC-Environ. Health & Injury Control	09/01/96- 08/31/97	7701 \$28,107
Optimizing & Evaluating Alcohol Warnings in TV Ad's	Slater,Michael D	Journalism & Technical Communications HHS-PHS-Alcohol Research Programs	08/01/96- 07/31/97	7738 \$28,500
Testing Models of Modern Human Origins in East Asia & Australia	Waddle,Diane M	Anthropology National Science Foundation	07/15/94- 12/31/96	3197 \$12,286

College: Business -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Data Conversion & Cleanup in Conjunction with ManMan 9+ System	Weston, Frederick C J	Computer Information Systems Fischer Imaging Company	09/01/95- 09/06/96	6129 \$11,147

College: Engineering -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Colorado Institute for Research in Biotechnology	Murphy,Vincent G	Chemical & Bioresource Engineering CATI-Colo. Advanced Technology Institute	07/01/96- 06/30/97	0936 \$180,000
Modeling of Turbulent Two-Phase Flow during Fiberization Process in Manufacturing...	Dandy,David	Chemical & Bioresource Engineering CAMI-Advanced Materials Institute/Colo.	07/01/96- 06/30/97	0941 \$10,000
Stream Water Quality Modeling Technology Development	Garcia,Luis	Chemical & Bioresource Engineering DOI-Bureau of Reclamation	09/30/96- 09/30/98	1842 \$18,039
Model Based Control of Dissolved Oxygen at Low Concentrations & in Shear Sensitive...	Karim,Muhammad N	Chemical & Bioresource Engineering NSF - Engineering Grant	08/15/96- 07/31/97	3193 \$83,401
Inventorying & Monitoring Natural Resources Status & Trends in the National Park System	Loftis,Jim C Garcia,Luis	Chemical & Bioresource Engineering DOI-NPS-National Park Service	04/17/95- 02/22/99	4159 \$61,884
Remedial Design for Bioremediation Projects	Reardon,Kenneth F	Chemical & Bioresource Engineering Camp Dresser McKee	08/19/96- 02/28/97	6203 \$13,061
Water Management Research	Loftis,Jim C	Chemical & Bioresource Engineering USDA-ARS-Agricultural Research Service	10/01/95- 09/30/96	8003 \$2,341
National Weather Service/COMET Fellowship	Rutledge,Steven A	Atmospheric Science UCAR-NCAR-COMET Atmospheric Tech. Divis.	05/15/96- 12/31/96	1109 \$17,635
Measurements of Ice Nucleating Aerosols in the Upper Troposphere & Lower Stratosphere	Kreidenweis,Sonia M Demott,Paul J	Atmospheric Science NASA-ARC-Ames Research Center	11/01/94- 04/30/97	1906 \$58,154
Ground Truth Research & Algorithm Development in Support of TRMM	Stephens,Graeme L Rutledge,Steven A	Atmospheric Science NASA-Goddard	09/01/96- 08/31/97	1911 \$115,000
Use of the Large Eddy Simulation Techniques to Explicitly Model the Microphysics...	Cotton,William R	Atmospheric Science National Aeronautics & Space Admin.	09/01/96- 08/31/97	1913 \$22,000
Electrified Tropical Convection: Implications for Use of the TRMM Lightning Imaging Sensor in Tropical Rainfall...	Rutledge,Steven A	Atmospheric Science National Aeronautics & Space Admin.	09/01/95- 08/31/97	1915 \$22,000
Modeling Biosphere-Atmosphere Interactions at Various Scales in Support of BOREAS	Pielke,Roger A Kittel,Timothy G F	Atmospheric Science NASA-Goddard	07/01/95- 06/30/97	1976 \$115,000
Improving Nexrad-Based Estimates of Precipitation Rates & Hydrometeor Classification	Rutledge,Steven A Bringi,Viswanathan N	Atmospheric Science NSF-GEO-Geosciences	09/01/96- 08/31/97	3091 \$105,000
Chemical Heterogeneity Among Cloud Drop Populations & Its Effect on Sulfur Oxidation	Collett,Jeffrey L Jr	Atmospheric Science NSF-GEO-Geosciences	09/01/95- 08/31/97	3290 \$29,929
Convective Cloud Systems in Climate Models	Randall,David A Fowler,Laura Dorothy	Atmospheric Science NSF-GEO-Geosciences	10/01/94- 03/31/98	3339 \$175,000
Significant Opportunities in Atmospheric Research & Science (SOARS) Scholarship -Janel Cobb	Cox,Stephen K	Atmospheric Science UCAR-NCAR-SOARS	08/15/96- 08/14/97	3402 \$14,186
Further Development of An Advanced Finite-Difference Atmospheric General Circulation Model	Randall,David A	Atmospheric Science DOE-San Francisco	09/01/96- 08/31/97	3815 \$136,964
UAV Applications for Studying Radiation & Optical Properties of Upper Tropospheric Clouds	Stephens,Graeme L Cox,Stephen K	Atmospheric Science US Department of Energy	09/01/95- 01/31/98	3823 \$100,000
Clouds & Ocean-Atmosphere Interactions in the Pacific Basin	Randall,David A Jensen,Tommy G	Atmospheric Science US Department of Energy	09/15/96- 09/14/97	3865 \$166,225

College: Engineering -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Impact of Historical Landcover & Landuse Change on Weather & Climate	Pielke,Roger A	Atmospheric Science DOI-USGS-Geological Survey	09/01/94- 08/31/97	4126 \$50,000
Seasonal & Decadal Prediction of U.S. Landfall of Hurricanes	Gray,William M	Atmospheric Science Bermuda Biological Station for Research	06/01/96- 12/31/96	5117 \$46,000
Experimental Studies of the Factors Controlling the Water Nucleating Ability of Atmosp...	Kreidenweis,Sonia M Brechtel,Fredrick J	Atmospheric Science Environmental Protection Agency	09/01/95- 08/31/97	5850 \$8,444
Experimental Studies of the Factors Controlling the Water Nucleating Ability of Atmospheric...	Kreidenweis,Sonia M Brechtel,Fredrick J	Atmospheric Science Environmental Protection Agency	09/01/95- 08/31/97	5850 \$6,722
Effects of Non-Uniform Cloud Drop Composition on Pollutant Transformation & Removal in Water Clouds	Collett,Jeffrey L Jr	Atmospheric Science Environmental Protection Agency	10/01/95- 09/30/98	5851 \$113,954
Terrain Responsive Atmospheric Code, HAZMAT Upgrade	Pielke,Roger A	Atmospheric Science School of Mines	05/30/96- 09/30/96	9325 \$25,165
Spread Creek Material Source Study	Molinas,Albert	Civil Engineering DOT-Federal Highway Administration	05/01/93- 12/31/96	1005 \$25,000
Analytical Services	Gates,Timothy K	Civil Engineering DOI-Bureau of Reclamation	08/13/96- 08/13/97	1739 \$10,000
Development of Hydrologic & Sediment Dynamics Models for the Rio Puerco	Ramirez,Jorge A	Civil Engineering DOI-USGS-Geological Survey	08/01/96- 09/30/97	1816 \$16,714
Riprap Embankment Toe Protection	Ruff,James F	Civil Engineering DOI-Bureau of Reclamation	09/26/96- 12/31/97	1828 \$144,722
Ecology of Western Reservoirs	Fontane,Darrell G Bartholow,John	Civil Engineering DOI-National Biological Survey	09/01/96- 08/31/99	1832 \$28,388
Water Quantity/Routing Model Development Klameth River Basin, Oregon & California	Flug,Marshall Fontane,Darrell G	Civil Engineering DOI-National Biological Survey	05/01/96- 09/30/99	1833 \$34,630
Embankment Overtopping	Ruff,James F Abt,Steven R	Civil Engineering DOI-Bureau of Reclamation	10/01/91- 12/31/96	1887 \$25,000
Modeling of Inflatable Structures for a Lunar/Martian Base	Sadeh,Willy Z	Civil Engineering National Aeronautics & Space Admin.	07/01/96- 06/30/97	1905 \$22,000
Field to Farm to Ecosystem Scale Decision Support Models	Salas,Jose D	Civil Engineering USDA-ARS-Agricultural Research Service	08/26/94- 07/14/99	2002 \$48,000
Field to Farm to Ecosystem Scale Decision Support Models	Salas,Jose D	Civil Engineering USDA-ARS-Agricultural Research Service	08/26/94- 07/14/99	2002 \$110,000
Field to Farm to Ecosystem Scale Decision Support Models	Salas,Jose D	Civil Engineering USDA-ARS-Agricultural Research Service	08/26/94- 07/14/99	2002 \$72,000
NBCS Model Update	Warner,James W	Civil Engineering DOD-ARMY-Rocky Mountain Arsenal	09/01/96- 03/31/97	2327 \$30,041
Effects of Woody Vegetation on Channel Roughness	Abt,Steven R Watson,Chester C	Civil Engineering DOD-ARMY-Corps of Engineers	07/01/95- 01/01/97	2568 \$35,000
DEC Monitoring Sites 1996-1998	Watson,Chester C Abt,Steven R	Civil Engineering DOD-ARMY-Corps of Engineers	12/22/95- 07/31/96	2590 \$150,000

College: Engineering -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Debris Control at Hydraulic Structures	Abt,Steven R	Civil Engineering University of Nottingham, England	08/01/95- 09/30/96	2612 \$5,800
Quantification of Federal Reserved Water Rights for National Park Purposes	Sanders,Thomas G Kimball,Dan	Civil Engineering DOI-NPS-National Park Service	04/01/96- 02/23/99	2860 \$214,000
Coupled Solute Migration Through Clay Barrier Materials	Shackelford,Charles	Civil Engineering NSF - Engineering Grant	09/15/96- 08/31/97	3112 \$44,522
Uncertainty & Risk Analysis Under Extreme Hydrologic Events	Salas,Jose D Boes,Duane C	Civil Engineering NSF - Engineering Grant	10/01/96- 09/30/97	3113 \$88,859
Dam Foundation Erosion Study	Ruff,James F	Civil Engineering DOI-Bureau of Reclamation	05/19/95- 03/31/98	4143 \$19,000
Dam Foundation Erosion Study	Abt,Steven R Ruff,James F	Civil Engineering DOI-Bureau of Reclamation	05/19/95- 03/31/98	4151 \$22,700
Systems Analysis Methods for Water & Natural Resources Decision Making	Flug,Marshall	Civil Engineering DOI-National Biological Survey	10/01/94- 09/30/97	4170 \$16,560
Kansas City Stream Restoration Workshop	Watson,Chester C	Civil Engineering Illinois State Water Survey	09/01/95- 01/31/97	5350 \$8,694
Colorado State Reservoir Sedimentation Conference	Albertson,Maurice L	Civil Engineering UNESCO	09/01/96- 10/31/96	5727 \$15,000
CCHE Center for Excellence Optoelectronics	Wilmsen,Carl W	Electrical Engineering CCHE-Commission on Higher Education	07/01/96- 06/30/97	0926 \$280,000
Optoelectronics Administration	Wilmsen,Carl W	Electrical Engineering University of Colorado	07/01/96- 06/30/97	0959 \$20,000
Coherent Blue Light Source for NO2 Pollution Monitoring	Menoni,Carmen S	Electrical Engineering University of Colorado	07/01/96- 06/30/97	0960 \$20,000
A Novel Microwave Method for Filled & Covered Surface Crack Detection in Steel Member...	Zoughi,Reza Ganchev,Stoyan	Electrical Engineering DOT-Federal Highway Administration	08/15/94- 09/30/97	1001 \$75,000
Ka Band Propagation Studies Using ACTS Terminal & CSU-CHILL Radar	Bringi,Viswanathan N Turk,Francis J	Electrical Engineering NASA-Lewis Research Center	05/01/93- 09/30/97	1977 \$89,770
Testing & Future Development of Microwave Sensor for Composite Mast	Zoughi,Reza	Electrical Engineering DOD-NAVY	09/25/96- 10/20/96	2328 \$2,450
Behavioral Level Design Verifications Using Software Testing Techniques	Chen,Wei (Tom)	Electrical Engineering NSF-CISE-Computer & Info Sci & Engin	08/01/96- 07/31/99	3066 \$134,128
Research Experiences for Undergraduates in Electrical Engineering Focused Around...	Chandrasekar,V	Electrical Engineering National Science Foundation	04/15/94- 09/30/97	3096 \$64,994
An Integrated Engineering Systems & Controls Laboratory	Young,Peter	Electrical Engineering NSF-EHR-Education & Human Resources	07/15/96- 06/30/98	3194 \$90,000
Optoelectronic Analysis	Wilmsen,Carl W	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3486 \$89,455
Optoelectronic Testing	Rocca,Jorge J G	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3487 \$51,500

College: Engineering -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Optical Storage & Processing	Mitkas,Pericles A	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3488 \$50,850
Optical Characterization of VCSELs (Vertical Cavity Surface Emitting Lasers)	Menoni,Carmen S	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3489 \$51,500
Optoelectronics Administration	Wilmsen,Carl W	Electrical Engineering University of Colorado	05/01/96- 04/30/97	3492 \$37,500
Two-dimensional Parallel Read-out of Optical Tape	Mitkas,Pericles A	Electrical Engineering Storage Technology Corporation	07/01/94- 06/30/98	6036 \$10,000
Coherent Blue Light Source	Menoni,Carmen S	Electrical Engineering Monitor Labs, Inc.	07/01/95- 06/30/97	6114 \$5,000
Impact Fatigue Study of Composite to Aluminum Joints	Radford,Donald W	Mechanical Engineering CAMI-Advanced Materials Institute/Colo.	07/01/96- 06/30/97	0943 \$10,000
CAREER: Research & Education Career Development Plan	James,Susan P	Mechanical Engineering NSF - Engineering Grant	09/01/96- 08/31/00	3025 \$200,000
High Throughput Vacuum Deposition of Thin Films	Sampath,Walajabad S	Mechanical Engineering NSF - Engineering Grant	09/01/94- 08/31/97	3037 \$10,000
IPA for Dr. Tong - Program Director of the Thermal Transport & Thermal Processing Program...	Tong,Timothy	Mechanical Engineering National Science Foundation	09/04/96- 09/03/97	3124 \$144,360
Graduate Research Traineeships in Environmentally Conscious Manufacturing	Smith,Frederick W	Mechanical Engineering NSF-EHR-Education & Human Resources	09/15/95- 08/31/97	3391 \$112,500
New Connections to Westnet - 1995	Burns,Patrick J	Mechanical Engineering NSF-CISE-Computer & Info Sci & Engin	08/15/95- 07/31/97	3504 \$6,969
Management & Coordination of Colorado State / DOE Program	Hittle,Douglas C	Mechanical Engineering US Department of Energy	06/01/96- 05/31/97	3857 \$49,809
Advanced Residential Solar Domestic Hot Water (SDHW) Systems	Hittle,Douglas C	Mechanical Engineering US Department of Energy	06/01/96- 05/31/97	3858 \$65,191
Large Bore Gas Technology Base	Willson,Bryan D	Mechanical Engineering GRI-Gas Research Institute	08/15/94- 03/31/97	6047 \$11,913
Development of Intake Air Tracer Technique	Puzinauskas,Paulius Willson,Bryan D	Mechanical Engineering Peugeot Sport	03/17/96- 02/28/97	6175 \$12,652
Air Toxics I Study	Willson,Bryan D	Mechanical Engineering SECOR International, Incorporated	07/01/96- 12/31/96	6194 \$237,145
Meyer Burger Machine Upgrade	Peterson,Michael	Mechanical Engineering Storage Technology Corporation	07/17/96- 08/30/97	6198 \$27,546
Automated Regular Hexahedral Mesh Generation	Sakurai,Hiroshi	Mechanical Engineering Nissan Motor Company	07/01/96- 06/30/97	6206 \$78,588
Polymer Consultant for Bolder Technologies	James,Susan P	Mechanical Engineering Bolder Technologies Corporation	09/01/96- 11/01/97	6212 \$1,060
Mid-America Manufacturing Technology Center - Product Documentation	Carlile,Craig	Mechanical Engineering State of Kansas	06/03/96- 07/30/96	9759 \$3,653

College: Engineering -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Visiting Scientist for the COMET Satellite Meteorology Course	Kidder,Stanley O	CIRA UCAR-NCAR-COMET Atmospheric Tech. Divis.	09/01/96- 12/31/97	1102 \$3,078
Funds for Satellite Data Reception & Analysis Support	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	09/28/93- 06/30/97	1140 \$75,000
Evaluation of NEXRAD Doppler Weather Radar Algorithms & Mesoscale Analysis & Predict...	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	1202 \$880,435
GOES-I/M Product Assurance & Advanced Product Development for Support of the Lake Effect...	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	06/19/96- 06/30/01	1203 \$16,975
A Multisensor Satellite Study of Upper Tropospheric Water Vapor & Clouds	Stephens,Graeme L	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	1207 \$80,000
Extended Range Prediction	Gray,William M	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	1208 \$60,000
Impact of Enhanced Cloud Condensation Nucleus Concentrations on Microphysics & Dynamics...	Feingold,Graham	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	1209 \$46,055
International Satellite Cloud Climatology Project Sector Processing Center for GOES...	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 12/31/96	1210 \$145,000
CIRA Activities & Participation in DMSP Satellite Processing & Analysis	Vonderhaar,Thomas H Eis,Kenneth E	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 09/30/97	1211 \$200,009
GOES-I/M Product Assurance & Advanced Product Development-Demonstration Project	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	1212 \$4,360
Effective Communication & Utilization of National Weather Service Critical Hydrometeorology...	Adams,Christopher R Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	10/01/96- 09/30/97	1214 \$156,530
Hydrologic Forecasting System Evaluation & Development Support	Johnson,Lynn	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	1215 \$73,408
NPOESS Earth Radiation Budget Experiment Study	Campbell,G Garrett Randel,David L	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	08/01/96- 02/28/97	1216 \$30,000
GOES-I/M Product Assurance & Advanced Product Development for Support of the Lake...	Vonderhaar,Thomas H Purdom,James F	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	06/01/96- 06/30/01	1217 \$16,975
GOES-I/M Product Assurance & Advanced Product Development for Support of the FIRSTT...	Vonderhaar,Thomas H Purdom,James F	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 09/30/00	1218 \$58,048
GOES-I/M Product Assurance & Advance Product Development for the Demonstration Project...	Vonderhaar,Thomas H Purdom,James F	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 09/30/96	1219 \$15,000
Very High Resolution Gridded Meteorological Forecast Development	Vonderhaar,Thomas H Browning,Gerald L	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/97	1220 \$104,677
Severe Weather Research	Vonderhaar,Thomas H Purdom,James F	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/01	1221 \$190,000
IPA - Christopher Adams	Adams,Christopher R	CIRA DOC-NOAA-NWS-National Weather Service	10/01/94- 09/30/96	1296 \$10,000
Analysis of Aerosol & Light Scattering Data from SEAVS Experiment	Kreidenweis,Sonia M	CIRA DOI-NPS-National Park Service	09/17/96- 06/30/97	1756 \$97,580

College: Engineering -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
A Comprehensive Accounting of Absorption & Scattering by Atmospheric Carbon	Kreidenweis,Sonia M Fuller,Kirk A	CIRA DOI-NPS-National Park Service	09/17/96- 06/30/97	1757 \$56,918
Assistance for Image Display Techniques & Data Analysis	Eis,Kenneth E	CIRA DOI-NPS-National Park Service	09/17/96- 06/30/97	1759 \$514,674
Statistical Analyses Related to Air Quality & Atmospheric Visibility	Iyer,Hariharan K	CIRA DOI-NPS-National Park Service	09/17/96- 06/30/97	1763 \$55,178

College: Natural Resources -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
International Forestry Seminar	Meiman,James R	Dean of Natural Resources USDA-USFS-Forest Research	03/18/96- 12/30/00	8758 \$40,000
Landsat TM Data for Vegetation Type Mapping of the South Platte Watershed	Hoffer,Roger M	Forest Sciences Colorado Division of Wildlife	05/15/95- 10/31/96	0783 \$10,000
Great Outdoors Colorado Programs - County Land Use Planning	Dean,Denis J	Forest Sciences Colorado Division of Wildlife	09/01/96- 08/31/97	0977 \$22,048
LCTA Technical Support for the Army Environmental Center	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	07/12/96- 01/15/97	2317 \$71,939
LCTA Technical Support for the Army Environmental Center	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	07/12/96- 03/15/97	2317 \$23,967
LCTA Field Support at Fort Huachuca, Arizona	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	07/31/96- 11/30/96	2320 \$74,153
Ecosystem Wildland Fire Management Plan Fire Fuels Type Vegetation Map of U.S. Army Lands...	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	07/26/96- 04/30/97	2321 \$24,731
ITAM Program, Forestry, & Landscape Management for Headquarters, U.S. Training & Doctr...	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/03/96- 11/20/97	2323 \$90,221
ITAM & GIS Support at Fort Stewart, Georgia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 09/30/97	2324 \$49,592
ITAM Program for DPTMS/Range Division at Fort Lewis, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/03/96- 09/30/97	2325 \$62,670
Wildlife Management Program Support for Yakima Training Center, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/12/96- 03/11/97	2326 \$62,776
Legacy Resources Management Assistance	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 07/08/97	2330 \$98,324
Timber Inventory & Vegetation Management Assessment at Fort Lee, Virginia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 05/31/97	2331 \$54,241
Intermittent, Arroyo, & Riparian Habitat for Fort Bliss, Texas	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 09/30/97	2332 \$209,133
Land Condition Trend Analysis Technical Support for Fort Huachuca, Arizona	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 04/14/97	2333 \$29,464
Land Condition Trend Analysis Technical Support at Fort Gordon, Georgia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 09/30/97	2334 \$52,859
Forest Inventory & Management of Gypsy Moth, Old Growth Timber & High Value Timber, Fort...	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 10/14/97	2335 \$66,057
Endangered Species Management Plan for Fort Bliss, Texas	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 11/30/97	2336 \$171,308
Rare, Threatened, & Endangered Mammal & Bird Survey & Mapping for Holston Army Ammunition...	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/30/96- 11/01/97	2337 \$38,897
Integrated Training Area Management Program Support, Fort Leonard Wood, Missouri	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/26/95- 06/13/97	2579 \$1,500

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Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
U.S. Army Regional Environmental Offices Support	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	09/27/95- 01/31/97	2584 \$20,000
Evaluating Environmental Restrictions on Timber Harvesting	Rideout,Douglas B Dean,Denis J	Forest Sciences National Council Air Stream Improvement	04/01/94- 12/31/96	5557 \$15,000
Response of Rocky Mountain Conifers to Disturbance	Smith,Frederick W	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	08/21/96- 03/30/98	8704 \$15,000
Development of a Simulation Model for Predicting the Response of Central Rocky Mountains...	Binkley,Daniel E	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/01/93- 12/31/96	8731 \$18,000
Effect of Thinning and Prescribed Burning on Severity of Wildfires in Ponderosa....	Omi,Philip N	Forest Sciences USDA-USFS-Forest Research	05/22/95- 12/31/97	8766 \$8,000
Water Quality & Ecosystem Studies in Northwest Alaska	Binkley,Daniel E	Forest Sciences USDA-USFS-Forest Research	07/10/96- 11/30/00	8788 \$30,000
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$5,400
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$1,632
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$2,835
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$4,410
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$3,213
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$5,400
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$1,503
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$10,999
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$910
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$7,628
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$6,750
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$1,283
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$4,726
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$9,198

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Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$3,676
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$6,750
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$1,621
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$1,622
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$11,859
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$1,350
Integrated Training Area Management Program Field Crew Support for 1997 at Ft. McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8943 \$30,600
Exotic Plant Species Management at Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8944 \$9,249
Environmental Surveys for the Resource Conservation & Recovery Act at Fort McCoy, Wisconsin...	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8945 \$16,065
Land Condition Trend Analysis Data Collection at Camp Guernsey, Wyoming	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8946 \$24,986
GIS Development of Bird Air Strike Hazard & Natural Resource Management at Elmendorf...	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8947 \$18,207
Land Condition Trend Analysis & Water Quality Monitoring, Fort Stewart, Georgia	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/15/95- 06/30/00	8948 \$30,600
Land Condition Trend Analysis - Small Mammal Trapping at Camp Atterbury, Indiana	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8949 \$13,527
Integrated Training Area Management for U.S. Army, Pacific - Fort Shafter, Hawaii	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/20	8950 \$62,329
Publishing Balduina Atropurpurea Research Results	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8951 \$5,151
Geographic Information (GIS) System Support at Hawaii Army Garrison, Hawaii	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8957 \$43,229
Grassland Bird Surveys & Management Project Coordinator at Fort Drum, New York	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8958 \$38,250
Wildlife Surveys at Fort Drum, New York	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8959 \$7,267
Grassland Bird Surveys & Management Field Support at Fort Drum, New York	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8960 \$26,774
Land Rehabilitation & Maintenance Program Coordinator at Fort Drum, New York	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8961 \$52,123

College: Natural Resources -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Bird & Small Mammal Surveys at Lander, Lovell, & Sheridan Local Training Areas, Wyoming	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8962 \$20,624
Land Condition Trend Analysis Support at Fort Bragg, North Carolina	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8963 \$38,250
Historic Properties Survey of U.S. Army Reserve Command Training Facilities in Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8964 \$9,194
Historic Properties Survey of U.S. Army Reserve Command Training Facilities in Illinois	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8965 \$9,193
Historic Properties Survey of U.S. Army Reserve Command Facilities in the State of Ohio	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8966 \$67,202
Integrated Natural Resources Management Plan for Kingbury Local Training Area	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8967 \$7,650
Arkansas Darter Recovery: Defining Habitat Requirements & the Spatial Dynamics of Population...	Fausch,Kurt D	Fishery & Wildlife Biology Colorado Division of Wildlife	06/01/96- 06/30/97	0918 \$11,000
Developing Tools to Predict Persistence of Extent & Reintroduced Colorado River Cutthroat Trout...	Fausch,Kurt D	Fishery & Wildlife Biology Colorado Division of Wildlife	07/01/96- 06/30/97	0932 \$23,000
Piceance - Design & Analysis of Systems to Estimate Elk Abundance & Survival	White,Gary C	Fishery & Wildlife Biology Colorado Division of Wildlife	07/01/96- 06/30/97	0939 \$81,000
Development of New Information & Education Products / Collaborational Research	Covich,Alan P	Fishery & Wildlife Biology Colorado Division of Wildlife	07/01/96- 06/30/97	0953 \$52,278
Use of Tiger Muskie in Colorado	Flickinger,Stephen A	Fishery & Wildlife Biology Colorado Division of Wildlife	07/01/96- 06/30/97	0963 \$23,500
Fish & Invertebrate Biomass Estimates using Hydroacoustics	Johnson,Brett M	Fishery & Wildlife Biology Colorado Division of Wildlife	07/01/96- 12/31/96	0966 \$11,390
Validation of Razorback Sucker Daily Otolith Increments	Bestgen,Kevin R	Fishery & Wildlife Biology DOI-Bureau of Reclamation	06/21/96- 09/30/97	1738 \$12,000
Biological & Chemical Monitoring of Soda Butte Creek, Montana: Study on the Influence...	Flickinger,Stephen A Nimmo,Del Wayne R	Fishery & Wildlife Biology DOI-National Biological Survey	07/01/96- 09/30/96	1742 \$15,000
Regional Assessment of Freshwater Ecosystems & Climate	Covich,Alan P	Fishery & Wildlife Biology DOI-USGS-Geological Survey	03/21/95- 06/30/95	1771 \$2,450
Foraging Behavior & Population Dynamics of Beaver (<i>Castor canadensis</i>) in Regulated & Unregulated...	Wilson,Kenneth R	Fishery & Wildlife Biology DOI-National Biological Survey	09/15/96- 01/31/98	1787 \$44,711
Development of a Monitoring Program for Juvenile Colorado Squawfish in the Colorado River	Muth,Robert T	Fishery & Wildlife Biology DOI-NPS-National Park Service	09/01/95- 09/01/96	1799 \$5,974
U.S. New Zealand Cooperative Research: A Review of Salmonid Invasions Worldwide	Fausch,Kurt D	Fishery & Wildlife Biology NSF-SBE-Social, Behave & Econ Sciences	09/15/96- 08/31/97	3102 \$2,690
Denver Water Board Inventory	Pague,Christopher A	Fishery & Wildlife Biology Denver Board of Water Commissioners	07/01/96- 12/31/96	5111 \$17,170
Earthwatch Inventory of the Endangered Uncompahgre Fritillary Butterfly	Pague,Christopher A	Fishery & Wildlife Biology Earthwatch, Inc.	06/11/96- 10/09/96	5120 \$11,080

College: Natural Resources -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Jefferson County Preble's Meadow Jumping Mouse Inventory	Pague,Christopher A	Fishery & Wildlife Biology Jefferson County, Colorado	07/01/96- 12/31/96	5124 \$4,400
Jefferson County Preble's Meadow Jumping Mouse Inventory	Pague,Christopher A	Fishery & Wildlife Biology Jefferson County, Colorado	07/01/96- 12/31/96	5124 \$19,783
Roaring Fork - A Natural Heritage Inventory	Pague,Christopher A	Fishery & Wildlife Biology Pitkin County, Colorado	07/01/96- 12/31/97	5125 \$29,000
Summit County's Tonn Ranch Inventory	Pague,Christopher A	Fishery & Wildlife Biology Summit County Colorado	06/03/96- 10/01/96	5126 \$1,489
Table Mountain Ecological Evaluation	Pague,Christopher A	Fishery & Wildlife Biology Boulder County, Colorado	04/18/96- 09/30/96	5128 \$900
Response of Elk to Prescribed Fire	Allredge,A William	Fishery & Wildlife Biology Rocky Mountain Elk Foundation	10/01/96- 03/31/97	5287 \$7,500
Blue Mountain Elk Study	Allredge,A William	Fishery & Wildlife Biology Rocky Mountain Elk Foundation	09/01/96- 12/31/97	5298 \$18,800
Biodiversity of the Jemez Mountains	Wilson,Kenneth R	Fishery & Wildlife Biology USDA-USFS-Rocky Mtn. Experiment Station	09/05/96- 09/30/97	8708 \$42,816
Comparative Studies of Riparian Leaf Litter Inputs & Decomposition	Covich,Alan P	Fishery & Wildlife Biology US Department of Agriculture	07/11/96- 06/30/97	8786 \$10,000
Evaluation of Northern Goshawk Research Needs at Ashley National Forest	Kennedy,Patricia L	Fishery & Wildlife Biology USDA-USFS-Forest Research	09/01/95- 12/31/98	8787 \$17,700
Predicting Risk of Extinction of Greenback Cutthroat Trout	Fausch,Kurt D	Fishery & Wildlife Biology USDA-USFS-Forest Research	07/15/96- 12/31/97	8793 \$2,450
Invasion of Rangeland by Aggressive Perennial Weeds: Ecology & Management	Coffin,Debra P	Rangeland Ecosystem Science USDA-CSRS-CGP-Competitive Grants Program	09/01/96- 08/31/99	1417 \$119,619
Grazing Effects on Runoff & Erosion in a Riparian Ecosystem	Trlica,Milton J Jr Leininger,Wayne C	Rangeland Ecosystem Science USDA-CSRS-Coop. States Research Service	09/01/96- 08/31/98	1419 \$79,999
Range Analysis - Dinosaur National Monument	Trlica,Milton J Jr	Rangeland Ecosystem Science DOI-NPS-National Park Service	05/01/96- 09/01/97	1726 \$1,000
Agricultural Research Internships for Early Career South African Scientists	Child,Dennis R	Rangeland Ecosystem Science USDA-ARS-Agricultural Research Service	09/30/96- 09/29/01	2087 \$100,000
Hydrologic Assessment of Rangelands using Rainfall Simulation	Child,Dennis R Trlica,Milton J Jr	Rangeland Ecosystem Science USDA-ARS-Agricultural Research Service	09/24/92- 09/23/97	2111 \$50,000
Re-establishment of the Lichen Component in Disturbed Grassland Ecosystems	McLendon,Terry	Rangeland Ecosystem Science DOD-ARMY-ARO-Army Research Office	06/30/95- 12/31/96	2571 \$44,457
Rangeland Evaluation - Kim Grazing Association	Rittenhouse,Larry R	Rangeland Ecosystem Science Swiss Organization for Dvlpmt & Coopratn	02/01/94- 02/28/97	5562 \$2,000
Effects of Seasonal Grazing on Forage Production & Quality within a Long-term Protect...	Leininger,Wayne C Trlica,Milton J Jr	Rangeland Ecosystem Science USDA-USFS-Forest Research	08/06/96- 07/31/98	8703 \$20,000
Develop Classification & Monitoring Systems for the Thunder Basin Grasslands	Child,Dennis R	Rangeland Ecosystem Science USDA-USFS-Rocky Mtn. Experiment Station	08/24/93- 08/23/98	8747 \$52,700

College: Natural Resources -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Range-Watershed Training for Native Americans	Bartlett,Ellsworth T Smith,Freeman M	Rangeland Ecosystem Science USDA-USFS-Rocky Mtn. Experiment Station	05/23/94- 09/30/97	8756 \$14,991
Influence of Grazing on Mountain Plover Habitat	Trlica,Milton J Jr	Rangeland Ecosystem Science USDA-USFS-Rocky Mtn. Experiment Station	07/18/95- 05/30/98	8771 \$4,000
Analysis of Future Demand for Grazed Forages	Bartlett,Ellsworth T	Rangeland Ecosystem Science USDA-USFS-Rocky Mtn. Experiment Station	08/06/96- 04/30/98	8795 \$4,200
Vegetation & Soils of the Comanche National Grasslands	Rittenhouse,Larry R Kelly,Eugene F	Rangeland Ecosystem Science USDA-USFS-Forest Research	06/28/95- 12/31/98	8830 \$22,400
Public Attitudes Towards Agriculture in Colorado	Wallace,George N Haas,Glenn E	Nat Resource Recreation & Tourism Colorado Department of Agriculture	03/01/96- 09/30/96	0898 \$2,500
Inter-American Foundation U.S. Graduate Study Fellowship Program	Haas,Glenn E Saqui,Pio	Nat Resource Recreation & Tourism Inter-American Foundation - Indpt Federal	08/26/96- 05/15/98	1008 \$25,955
Development & Application of Biological Assessment Techniques	Haas,Glenn E Boyle,Terence P	Nat Resource Recreation & Tourism DOI-National Biological Survey	10/01/94- 09/30/99	4171 \$132,665
Human Interactions with Elk in the Vicinity of Estes Park, Colorado	Aukerman,Robert	Nat Resource Recreation & Tourism DOI-National Biological Survey	05/01/95- 12/31/97	4172 \$10,000
Living with Wildlife in Anchorage: Residents' Attitudes	Manfredo,Michael J	Nat Resource Recreation & Tourism Alaska Department of Fish & Game	09/01/96- 12/01/97	5127 \$46,215
American Universities International Programs Transition Project	Aukerman,Robert	Nat Resource Recreation & Tourism AUIP-American Universities Intl Program	05/16/96- 08/15/96	5726 \$20,000
Infusing Environmental Education into Math Curriculum	Wells,Marcella A	Nat Resource Recreation & Tourism EPA-Environmental Educ & Training Prog	09/16/96- 09/16/97	5807 \$11,286
National Forest User Perceptions & the Role of Interpretation on Grazing Allotments	Wallace,George N	Nat Resource Recreation & Tourism USDA-USFS-Rocky Mtn. Experiment Station	04/10/92- 03/31/97	8794 \$1,700
Mass Balance Changes on Teton Glacier Using Historical & Contemporary Data	Elder,Kevin J	Earth Resources University of Wyoming	05/01/96- 06/30/97	1600 \$2,500
Establishment of Baseline Water Quality Conditions in the National Park Service	Stednick,John D	Earth Resources DOI-NPS-National Park Service	07/25/96- 09/30/98	1730 \$60,000
Development of Environmental Contaminant Encyclopedia	Stednick,John D	Earth Resources DOI-NPS-National Park Service	10/01/95- 10/01/97	1731 \$10,000
Water Resources Inventory & Assessment of Watersheds at Salinas Pueblo Mission, New Mexico	Smith,Freeman M Kunkle,Samuel H	Earth Resources DOI-NPS-National Park Service	08/15/96- 06/30/97	1747 \$10,500
Paired Ecosystems U.S. / Russia	Smith,Freeman M	Earth Resources DOI-BLM-Bureau of Land Management	08/01/96- 09/30/97	1841 \$10,000
Snow Distribution & Runoff Forecasting, Kings River Basin, California	Elder,Kevin J	Earth Resources DOD-ARMY-Corps of Engineers	08/15/96- 08/14/99	2322 \$6,355
CSEDI: Collaborative Research of the 190 Pt-1860s System as a Test of Core-Mantle Interact	Morgan,John W	Earth Resources NSF-GEO-Geosciences	07/15/96- 06/30/97	3191 \$55,000
Non-Degree Training in Watershed Hydrology & Water Resources - GIS	Smith,Freeman M	Earth Resources Republic of China-Ministry of Education	08/01/96- 07/31/97	5724 \$18,500

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Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Non-Degree Training in Forestry Computer Systems / Mr. Daming Bao	Smith,Freeman M	Earth Resources U.N.-Food & Agriculture Organization	08/01/96- 12/31/96	5725 \$11,273
CATIE/CSU Advanced Training for Lucio Pedroni	Smith,Freeman M	Earth Resources Swiss Organization for Dvlpmt & Coopratn	08/01/96- 05/31/97	5728 \$15,369
96/97 Aquatic Studies	Bergersen,Eric P	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	07/01/96- 06/30/97	0919 \$90,648
96/97 Grouse Research	Burnham,Kenneth P	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	07/01/96- 06/30/97	0920 \$17,500
96-97 Optimal Feeding Strategies	Anderson,David R	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	07/01/96- 06/30/97	0921 \$7,000
96/97 'S' Account Subcontract	Anderson,David R	Cooperative Fish & Wildlife Research Colorado Division of Wildlife	07/01/96- 06/30/97	0922 \$20,000
Software Development for Adaptive Dynamic Programming - Waterfowl Adaptive Management...	Anderson,David R	Cooperative Fish & Wildlife Research DOI-National Biological Survey	08/27/96- 09/30/97	1745 \$36,000
A System for Conservation Planning - 1995-1997	Hobbs,N Thompson Gross,John E	Natural Resource Ecology Lab Colorado Division of Wildlife	07/01/96- 06/30/97	0937 \$165,000
Invasion of Rangeland by Aggressive Perennial Weeds: Ecology & Management	Coffin,Debra P	Natural Resource Ecology Lab USDA-CSRS-CGP-Competitive Grants Program	09/01/96- 08/31/99	1413 \$131,565
Development & Management of a USDA UV-B Monitoring Program	Gibson,James H Bigelow,David S	Natural Resource Ecology Lab USDA-CSRS-SRG-Special Research Grants	09/15/96- 09/30/97	1421 \$1,517,710
Large Mammalian Herbivores, Plant Interactions, & Ecosystem Processes in 5 National Parks	Singer,Francis J Elliott,Edward T	Natural Resource Ecology Lab DOI-National Biological Survey	03/01/96- 09/30/96	1741 \$2,500
Modeling Nutritional-energetic Carrying Capacity for Jackson Bison Populations	Coughenour,Michael B	Natural Resource Ecology Lab DOI-NPS-National Park Service	04/01/96- 04/01/97	1834 \$12,000
Support for Global Change Research in Rocky Mountain National Park, Colorado	Stohlgren,Thomas J Binkley,Daniel E	Natural Resource Ecology Lab DOI-NPS-National Park Service	08/09/96- 08/15/96	1843 \$8,000
Carbon Balance in Global Grasslands	Schimmel,David S	Natural Resource Ecology Lab National Aeronautics & Space Admin.	10/01/96- 09/30/97	1948 \$440,200
Global Change Data Assessment & Integration	Elliott,Edward T	Natural Resource Ecology Lab Consortium for Int'l Earth Science Info	09/02/95- 09/01/96	2204 \$5,000
Global Change Data Assessment & Integration	Elliott,Edward T	Natural Resource Ecology Lab Consortium for Int'l Earth Science Info	09/02/95- 09/01/96	2204 \$3,000
Responses of Hydrologic & Aquatic Ecosystem Processes to Potential Climate Change...	Baron,Jill S Swift,David M	Natural Resource Ecology Lab DOI-NPS-National Park Service	09/01/96- 09/01/97	2855 \$500
Long Term Ecological Research Program - Shortgrass Steppe	Lauenroth,William K Burke,Ingrid C	Natural Resource Ecology Lab NSF-Biological Centers	11/01/94- 10/31/97	3214 \$50,000
Nematode Biodiversity in Ecosystems Stressed by Extremes of Temperature	Freckman,Diana Niles,Robert K	Natural Resource Ecology Lab NSF-Biological Centers	08/15/96- 01/31/98	3237 \$100,000
Development of User-friendly Graphical Interfaces for Ecological Simulation Models...	Coffin,Debra P Burke,Ingrid C	Natural Resource Ecology Lab NSF-Biological Centers	08/01/96- 07/31/97	3505 \$189,376

College: Natural Resources -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
REU Supplement to: U.S.-Hungry Grassland Comparisons: Response of Vegetation to Environment...	Coffin,Debra P	Natural Resource Ecology Lab NSF-SBE-Social, Behave & Econ Sciences	04/01/96- 03/31/99	3506 \$8,000
Population Estimation, Plant Interactions, Forage Biomass & Offtake, & Carrying...	Singer,Francis J Coughenour,Michael B	Natural Resource Ecology Lab DOI-NPS-National Park Service	09/01/96- 09/01/97	4100 \$7,553
The NBS Global Change Data Center	Simmons,Carol L	Natural Resource Ecology Lab DOI-National Biological Survey	05/16/95- 09/30/97	4152 \$25,000
Effect of Elk Grazing on Native & Non-Native Plant Species Diversity in Rocky Mountains...	Coughenour,Michael B Stohlgren,Thomas J	Natural Resource Ecology Lab Rocky Mountain Elk Foundation	06/16/96- 06/15/97	5422 \$8,200
Population & Environment in the U.S. Great Plains	Parton,William J Galvin,Kathleen	Natural Resource Ecology Lab University of Texas at Austin	08/01/96- 07/31/97	7503 \$107,120
Oregon Coast Range Province Adaptive Management Pilot Project: Application of AR/GIS...	Elliott,Edward T Berry,Joyce K	Natural Resource Ecology Lab USDA-Forest Service-Pacific NW Exp Station	09/14/95- 11/30/96	8836 \$14,000

College: Natural Sciences -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Connected Math Projects Program	Bruckhart,Glenn	Center for Science, Math & Tech Educ Michigan State University	06/01/96- 05/31/97	3403 \$24,000
Rocky Mountain Teacher Education Collaborative	Stein,Fredrick M Hartley,Nancy K	Center for Science, Math & Tech Educ University of Northern Colorado	09/01/96- 05/31/97	3446 \$194,791
Minority Initiative for Denver Schools - (MINDS)	Stein,Fredrick M	Center for Science, Math & Tech Educ Denver Public Schools	03/01/96- 08/31/97	3469 \$249,228
Biochemical Analysis of PH05 Gene Regulation	Laybourn,Paul J	Biochemistry & Molecular Biology NSF-Biological Centers	08/01/95- 07/31/97	3120 \$3,000
Graduate Training in Biochemistry & Molecular Biology	Curthoys,Norman P	Biochemistry & Molecular Biology DE-Graduate Assist/Areas of Natl Need	08/22/96- 08/21/97	4200 \$168,910
Repression of Cellular Gene Expression by the HTLV-I Tax Protein	Nyborg,Jennifer K	Biochemistry & Molecular Biology American Cancer Society, Inc.	01/01/96- 12/31/98	5346 \$90,000
Cloning & Expression of Human Glutaminminase: A Potential Target for Stroke Therapy	Curthoys,Norman P	Biochemistry & Molecular Biology Neurex Corporation	07/01/96- 06/30/97	6197 \$15,000
Glutaminase Inhibitors as Neuroprotective Agents	Curthoys,Norman P	Biochemistry & Molecular Biology Neurex Corporation	06/01/96- 11/30/96	7507 \$4,446
Hemorrhagic & Necrotic Toxins in Snake Venoms	Tu,Anthony T	Biochemistry & Molecular Biology HHS-NIH-Office of AIDS Research	09/01/96- 08/31/97	7705 \$23,100
Mechanism of pH-response in PCK Gene Expression	Curthoys,Norman P	Biochemistry & Molecular Biology HHS-PHS-Kidney Dis., Urology/Hematology	07/01/96- 06/30/97	7736 \$174,895
Primary Photochemistry in Bacterial Reaction Centers	Schenck,Craig C Tang,Shoou Yu	Biochemistry & Molecular Biology HHS-PHS-Cellular & Molecular / Research	10/01/95- 03/31/97	7915 \$15,600
Renal Response to Metabolic Acidosis	Curthoys,Norman P	Biochemistry & Molecular Biology HHS-DRR-Fogarty International Center	08/20/96- 08/19/97	7920 \$31,800
New Methods & Applications for Bioconjugation	Greenberg,Marc M	Chemistry CATI-Colo. Advanced Technology Institute	07/01/96- 06/30/97	0967 \$20,000
Surface Reactivity of SiC1x Radicals during Plasma Deposition of Amorphous Hydro...	Fisher,Ellen R	Chemistry DOD-NAVY-ONR-Office of Naval Research	05/01/95- 11/30/96	2548 \$5,153
Chemical Processing of Advanced Ceramics	Maciel,Gary E	Chemistry Southwest Research Institute	06/23/95- 12/31/96	2611 \$10,000
Electron Transfer Dynamics at Semiconductor Nanocluster Interfaces	Kelley,David F	Chemistry US Department of Energy	09/25/96- 10/31/97	3801 \$110,000
Extraction & Recovery of Mercury & Lead from Aqueous Waste Streams Using Redox-Active...	Dorhout,Peter K Strauss,Steven H	Chemistry DOE-Office of Energy Research	09/15/96- 09/14/99	3813 \$333,000
Multinuclear Magnetic Resonance Study of the Interactions of Pollutants with Major Soil...	Maciel,Gary E	Chemistry DOE-Basic Energy Sci / Univ & Sci Educ	07/01/96- 06/30/97	3860 \$110,000
A Novel Tandem Homojunction Solar Cell: An Advanced Technology for High Efficiency...	Parkinson,Bruce A Temkin,Henryk	Chemistry DOE-Office of Energy Research	07/01/96- 06/30/97	3862 \$268,031
Generation & Study of Intermediates Involved in DNA Cleavage	Greenberg,Marc M	Chemistry HHS-PHS-Pharmacology & Biorelated Chem	07/01/96- 06/30/97	4797 \$104,233

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Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Novel Fischer Carbene Methodology for Natural Products Synthesis	Hegedus,Louis S Piniero-Nunez,Marta	Chemistry American Cancer Society, Inc.	01/01/97- 12/31/99	5115 \$78,412
Division of Organic Chemistry Graduate Fellowship for Emily Stocking	Williams,Robert M	Chemistry American Chemical Society	09/01/96- 08/31/97	5129 \$15,000
Development of New Anti-tumor Drugs	Williams,Robert M	Chemistry Molecurx, Inc.	02/01/96- 02/28/98	6201 \$47,473
Approaches to Natural Products Containing Chiral Carbon and Nitrogen Compounds	Meyers,Albert I	Chemistry HHS-PHS-Pharmacology & Biorelated Chem	07/01/96- 06/30/97	7695 \$212,658
From Program Comprehension to Software Maintenance Support Tools	Vonmayrhauser,A	Computer Science CASI-Colorado Advanced Software Inst.	07/01/96- 08/31/97	0979 \$38,500
Achieving Ultra-Reliability in Critical Systems	Malaiya,Yashwant K	Computer Science DOD-NAVY-ONR-Office of Naval Research	06/01/96- 12/31/96	2312 \$50,388
Development of an IEEE Standard for PGM	Seidman,Stephen B	Computer Science DOD-NAVY-NRL-Naval Research Lab	08/01/96- 07/31/97	2318 \$58,341
Image Understanding Environment: Image Object Hierarchical Representations, Data Exchange...	Beveridge,J Ross	Computer Science Battelle, Research Park Triangle	09/10/96- 09/30/97	2600 \$19,989
Behavioral Level Design Verifications using Software Testing Techniques	Vonmayrhauser,A Anderson,Charles	Computer Science NSF-CISE-Computer & Info Sci & Engin	08/01/96- 07/31/99	3090 \$180,185
NPSC Fellowship - Soroya Rana	Whitley,L Darrell	Computer Science National Physical Science Consortium	06/01/96- 05/31/97	5271 \$12,500
Ultrasonic Determination of Elastic Moduli & Damping	Leisure,Robert G	Physics CAMI-Advanced Materials Institute/Colo.	07/01/96- 06/30/97	0942 \$10,000
Atmospheric Dynamics Using Sodium & Rayleigh Lidars at Ft. Collins & ALOMAR	She,Chiaoyao Krueger,David A	Physics NSF-GEO-Geosciences	09/01/95- 08/31/97	3392 \$40,000
Ion/Excited-Atom Collision Studies with a Rydberg Target & a CO2 Laser	Lundeen,Stephen R	Physics DOE-Basic Energy Sci / Univ & Sci Educ	09/01/96- 08/31/97	3812 \$57,724
Ion/Excited-Atom Collision Studies with a Rydberg Target & a CO2 Laser - OFF CAMPUS	Lundeen,Stephen R	Physics DOE-Basic Energy Sci / Univ & Sci Educ	09/01/96- 08/31/97	3814 \$47,276
Continuous Quality Improvement Intern	Thornton,George C	Psychology Colorado Department of Transportation	03/25/94- 06/30/97	0596 \$25,000
Advancing Scientific & Technological Education in American Indian Communities	James,Keith	Psychology NSF-EHR-Education & Human Resources	08/01/96- 07/31/98	3195 \$75,000
Adolescent Drug Use in Rural America	Edwards,Ruth W	Psychology HHS-PHS-Drug Abuse Research Programs	08/01/96- 07/31/97	4423 \$353,781
Preventing Intimate Violence in Rural Minority Communities	Edwards,Ruth W	Psychology HHS-CDC-Environ. Health & Injury Control	09/01/96- 08/31/97	4425 \$208,969
Tri-Ethnic Center for Prevention Research; Master Project	Oetting,Eugene R	Psychology HHS-PHS-Drug Abuse Research Programs	05/05/96- 04/30/97	4602 \$50,000
School Consultation / Special Education	Rosen,Lee A	Psychology Poudre R-1	08/16/96- 06/07/97	5625 \$42,219

College: Natural Sciences -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Drug Use & Other Risky Behaviors among Rural Youth Project #2; Subproject	Edwards,Ruth W	Psychology HHS-CDC-Environ. Health & Injury Control	09/01/96- 08/31/97	7702 \$12,615
Saddlepoint Methods in Statistics	Butler,Ronald W	Statistics National Science Foundation	07/15/96- 06/30/97	3161 \$33,000
Development & Initial Exploration Trials for Bowhead Aboriginal Whaling	Givens,Geof H	Statistics Alaska Department of Wildlife Management	09/17/96- 06/30/97	5130 \$66,541
CASE-General Account for Statistical Research	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 05/31/97	6131 \$17,000
Forest Health Assessments with Spatial Analyses of Point & Map Data - Research Joint Vent	Tweedie,Richard L	Statistics USDA-USFS-Rocky Mtn. Experiment Station	09/12/94- 01/30/97	8821 \$8,000
Effects of Changing Land Use on Wildlife Diversity	Wiens,John A Miller,James Robert	Biology Colorado Division of Wildlife	07/01/96- 06/30/97	0955 \$26,141
Toxicological Studies at the Eastern Municipal Water District Wetlands, Hemet, California...	Wunder,Bruce A Nimmo,Del Wayne R	Biology DOI-National Biological Survey	06/01/96- 09/30/97	1827 \$10,925
Alterations in Species Composition of Grassland Communities Due to Changing Climates:...	Detling,James K	Biology National Aeronautics & Space Admin.	09/01/96- 08/31/97	1912 \$22,000
Evolution of Learning-related Neuromodulation	Wright,William G	Biology NSF-Biological Centers	08/15/96- 07/31/99	3203 \$209,998
Functional Analysis of a Novel Calmodulin-Binding Protein from Arabidopsis	Reddy,A	Biology NSF-Biological Centers	08/01/96- 07/01/97	3247 \$100,239
Vegetation Monitoring in the Pryor Mountain Wild Horse Range	Detling,James K	Biology DOI-NPS-National Park Service	05/01/94- 06/01/97	4109 \$27,000

College: Veterinary Medicine & Biomedical Sciences -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Testing Three Lots of Rabies Vaccine in a Five-dose Regimen	Jones,Robert L	Dean of Veterinary Medicine Connaught Laboratories, Inc.	10/01/96- 09/30/97	6208 \$93,437
Assistance with the Purchase of Equipment for the VTH Ophthalmology Service	Nelson,Albert W	Veterinary Teaching Hospital The Denver Foundation	06/27/96- 06/27/97	5423 \$10,000
GAP Junctions in Identified Spinal Cord Neurons of Rat	Rash,John E	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	06/01/96- 05/31/97	4617 \$223,983
Effects of Aging on the NMDA Receptor Complex	Magnusson,Kathy	Anatomy & Neurobiology HHS-PHS-Aging Research	07/15/96- 04/30/97	4790 \$111,296
Local Synaptic Inhibition in Hypothalamus	Waurin,Jean-Pierre Dudek,F Edward	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	03/01/96- 02/28/97	4854 \$97,974
Calcium Channels & Tonic Fibers of Extraocular Muscle	Korotzer,Andrew R Beam,Kurt G	Anatomy & Neurobiology HHS-PHS-Vision Research	10/01/96- 09/30/97	4903 \$28,600
Neuroanatomic Substrate for HIV-associated Seizures	Dudek,F Edward Fails,Anna Dee	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	09/01/96- 08/31/97	4934 \$35,300
Genetic Engineering of Cells Associated with Chronic Spinal Cord Injury	Nornes,Howard O Neuman,Toomas	Anatomy & Neurobiology Spinal Cord Society	08/01/96- 07/31/97	5089 \$70,047
Mechanism of Glutamate-mediated Activation of Vasopressin Neurons	Dudek,F Edward Smith,Bret N	Anatomy & Neurobiology American Heart Association of Colorado	07/01/96- 06/30/97	5113 \$32,430
Uptake of Glutamate May Contribute to Ischemic Brain Damage	Madl,James E	Anatomy & Neurobiology American Heart Association of Colorado	07/01/96- 06/30/97	5118 \$28,537
Modeling Gene Therapeutic Approaches in the SCID - hu Mouse	Akkina,Ramesh K	Pathology University of California-Los Angeles	05/01/96- 04/30/97	4348 \$32,450
FeLV-FAIDS Surface Glycoprotein & Immunodeficiency	Hoover,Edward A	Pathology University of Washington	06/01/96- 05/31/97	4349 \$88,947
Modeling Gene Therapeutic Approaches in the SCID - hu Mice	Akkina,Ramesh K	Pathology University of California-Los Angeles	05/01/96- 04/30/97	4351 \$30,000
Feline Model of AIDS-Dementia Complex: Neuropathogenesis	Mitchell,Thomas W Gasper,Peter W	Pathology HHS-PHS-Comparative Medicine Program	07/15/96- 07/14/97	4406 \$79,604
Characterization of Feline Model of Niemann-Pick Type C	Thrall,Mary Anna	Pathology HHS-PHS-Comparative Medicine Program	09/30/96- 09/29/97	4413 \$128,495
T Cell Mediated Pathologic Responses to Murine Malaria	Avery,Anne C Wassom,Donald L	Pathology HHS-PHS-AID-Microbio & Infectious Dis Re	08/01/96- 07/31/97	4424 \$74,271
Perinatal Mucosal FIV Infection & Intervention	Obert,Leslie A Hoover,Edward A	Pathology HHS-PHS-AID-Microbio & Infectious Dis Re	09/01/96- 08/31/97	4426 \$72,662
Transcriptional Control of Bovine Leukemia Virus	Brooks,Patricia A Cockerell,Gary L	Pathology HHS-PHS-Comparative Medicine Program	09/01/96- 08/31/97	4627 \$79,812
Mechanisms of Lentiviral Lymphoid Interstitial Pneumonia	Demartini,James C	Pathology HHS-PHS-Lung Disease Research	08/01/96- 07/31/97	4637 \$281,728
Immunopathogenesis of Transmucosal FIV Infection	Hoover,Edward A Burkhard,Mary Jo	Pathology HHS-NRSA-Nat. Research Service Award	08/01/96- 07/31/97	4964 \$35,300

College: Veterinary Medicine & Biomedical Sciences -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Post Doctor of Veterinary Medicine Trainee Position	Weiser,M Glade Cockerell,Gary L	Pathology Rhone-Poulenc Rorer	07/01/96- 06/30/97	6120 \$39,110
Food & Agricultural Sciences National Needs Graduate Fellowships	Niswender,Gordon D	Physiology USDA-ES-CES-Cooperative Extension Srv	09/01/96- 08/31/01	1418 \$216,000
Computer Simulation of Cardiovascular Function in Reduced Gravity	Gotshall,Robert Tucker,Alan	Physiology National Aeronautics & Space Admin.	07/01/95- 06/30/97	1951 \$22,000
Cryopreservation of Sexed Bovine Sperm	Seidel,George E Jr	Physiology Atlantic Breeders Cooperative	09/19/94- 03/01/97	5010 \$3,500
Hypertension in Rats with Kidneys Containing Angiotensinogen Transgenes	Wilke,Lee	Physiology American Heart Association of Colorado	07/01/96- 06/30/97	5119 \$29,474
Nerve Regeneration Screen	Ishii,Douglas N	Physiology Aurogen, Inc.	09/01/96- 06/01/97	6207 \$7,134
Recovery from Nerve Injury - Project 4	Ishii,Douglas N	Physiology HHS-CDC-Environ. Health & Injury Control	09/01/96- 08/31/97	7704 \$62,055
Mechanisms of GnRH Receptor Gene Expression	Clay,Colin Duval,Dawn L	Physiology HHS-NRSA-Nat. Research Service Award	09/01/96- 08/31/97	7922 \$24,200
Responses of Leukemic Cells & Transfections to X-rays & Heat Treatments	Lett,John T	Radiological Health Sciences DOD-USAF-Air Force	09/28/95- 07/31/97	2586 \$30,000
Relating Cancer Genetics to Cytogenetic Changes	Larue,Susan M	Radiological Health Sciences Milheim Foundation for Cancer Research	07/01/96- 06/30/97	5420 \$10,000
Radiological Environmental Monitoring Program	Johnson,James E	Radiological Health Sciences Public Service Company of Colorado	01/01/96- 12/31/96	6158 \$114,327
Radiological Sciences Basic to Cancer Research	Bedford,Joel S	Radiological Health Sciences HHS-PHS-Cancer Research Manpower	09/01/96- 08/31/97	7923 \$174,370
Lead Research	Reif,John S	Environmental Health Colorado Dept Public Health & Environ	10/01/95- 09/30/96	0856 \$1,762
American Dipper Toxic Metal Exposure Biomarker Pilot Study	Ramsdell,Howard S	Environmental Health DOI-USFWS-Fish & Wildlife Service	09/23/96- 12/31/97	1773 \$14,980
Factors Associated with Relinquishment of Dogs & Cats	Salman,Mowafak D	Environmental Health Natl Council Pet Population Study/Policy	01/01/95- 12/31/97	5032 \$6,500
Effects of Caffeine on Semen Quality	Bigelow,Philip L	Environmental Health National Coffee Association of the USA	08/01/96- 12/31/96	5116 \$6,754
Training Programs in Veterinary Epidemiology	Salman,Mowafak D	Environmental Health Teachers of Veterinary Public Health	01/01/94- 12/31/96	5537 \$27,930
Training Programs in Veterinary Epidemiology	Salman,Mowafak D	Environmental Health Teachers of Veterinary Public Health	01/01/94- 12/31/97	5537 \$32,650
Residential Pesticide Application Reducing Risk Through Training	Bigelow,Philip L	Environmental Health EPA-Pesticides Control Research	09/10/96- 03/09/98	5806 \$39,926
Pilot Study to Evaluate the Relationship Between Birth Weight & Exposure to Byproducts...	Nuckols,John R	Environmental Health Environmental Protection Agency	10/01/94- 09/30/97	5841 \$94,632

College: Veterinary Medicine & Biomedical Sciences -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Biomarkers & Effects of Estrogenic Environmental Chemicals in Frogs	Ramsdell,Howard S	Environmental Health Environmental Protection Agency	10/01/95- 09/30/97	5852 \$77,383
Statistical Evaluation of TAS Study of UNIPRIM in Horses	Keefe,Thomas J	Environmental Health Macleod Pharmaceuticals, Inc.	07/01/96- 06/30/97	6189 \$8,344
Organochlorine Compounds & Risk of Breast Cancer	Tessari,John Domenic	Environmental Health Yale University	09/30/95- 09/29/96	7505 \$5,000
Liver Toxicity of Hemoglobin Solutions	Billings,Ruth E	Environmental Health HHS-PHS-Blood Diseases & Resources Res.	08/01/95- 07/31/96	7656 \$206,983
Colorado Injury Control Research Center	Stallones,Lorann	Environmental Health HHS-CDC-Environ. Health & Injury Control	09/01/96- 08/31/97	7700 \$209,526
Colorado Farm Family Health & Hazard Surveillance	Stallones,Lorann	Environmental Health HHS-Occup Safety/Health Research Grants	09/28/96- 09/27/97	7737 \$320,000
Application of Physiologically Based Pharmacokinetic/Pharmacodynamic (PB-PK.PD) Mode...	Yang,Raymond S H	Environmental Health HHS-PHS-Toxic Substances & Dis. Registry	09/30/96- 09/29/97	7739 \$208,332
Melatonin & Occupational Electric & Magnetic Fields Exposure	Reif,John S	Environmental Health HHS-NIH-Environmental Health Services	08/20/96- 07/31/97	7740 \$284,330
High Plains Intermountain Center for Agricultural Health & Safety	Buchan,Roy M	Environmental Health HHS-Occup Safety/Health Research Grants	09/30/96- 09/29/97	7741 \$540,000
Graduate Training Programs	Buchan,Roy M	Environmental Health HHS-Occup Health/Safety Training Grants	07/01/96- 06/30/97	7918 \$5,000
Oxygen Radical-mediated Gene Expression in Hepatocytes	Billings,Ruth E Miller,Danette R	Environmental Health HHS-NIH-Digestive Diseases & Nutri. Res.	09/01/96- 08/31/97	7954 \$28,600
Researching New Relationships Between Government, Industry & the Education Community	Coulter,Gary R	Microbiology NASA-ARC-Ames Research Center	07/01/96- 06/30/97	1928 \$371,577
New Drugs for Mycobacterial Infections in AIDS Patients	McNeil,Michael R Besra,Gurdyal S	Microbiology Southern Research Institute	04/01/96- 06/30/97	4300 \$36,660
Mosquito Transformation with Novel Retrovirus Vectors	Higgs,Stephen	Microbiology University of California	04/01/96- 03/31/97	4339 \$59,095
Cell Wall of M. Tuberculosis; Focus for Drug Discovery	Brennan,Patrick J	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	08/01/96- 07/31/97	4408 \$464,830
Cell Wall of M. Tuberculosis; Focus for Drug Discovery	Belisle,John T	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	08/01/96- 07/31/97	4410 \$87,139
Cell Wall of M. Tuberculosis; Focus for Drug Discovery	Inamine,Julia M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	08/01/96- 07/31/97	4411 \$134,230
Longitudinal Studies of Rodent Reservoirs of Hantaviruses in the Southwestern U.S.	Beaty,Barry J Calisher,Charles H	Microbiology HHS-CDC-Centers for Disease Control	09/30/96- 09/29/97	4428 \$132,621
Leprosy Research Support & Maintenance of an Armadillo Colony: Part I: Leprosy Research..	Brennan,Patrick J	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	06/30/96- 06/29/98	4625 \$381,713
Molecular Genetic Analysis of Mycobacterium Tuberculosis	Inamine,Julia M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	08/01/96- 07/31/97	4649 \$64,422

College: Veterinary Medicine & Biomedical Sciences -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Cell Wall Biogenesis: Target for New Anti-TB Drugs	McNeil,Michael R Inamine,Julia M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	09/01/96- 08/31/97	4818 \$448,371
Interference with Dengue Virus Replication in Mosquitoes	Blair,Carol D Higgs,Stephen	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	04/01/95- 03/31/97	4833 \$286,539
Cell Wall Mutants of M. Tuberculosis	Besra,Gurdyal S Belisle,John T	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	07/01/96- 06/30/97	4849 \$151,147
A Resource for TB Vaccine Testing	Orme,Ian M	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	02/01/94- 01/31/97	4852 \$99,106
Analyze New Adjuvant	Brennan,Patrick J	Microbiology Bioniche of London Ontario, Canada	07/01/94- 12/31/96	6039 \$500
Provision of Isolates of Mycobacterium avium/Mycobacterium intracellulare	Brennan,Patrick J	Microbiology Abbott Laboratories	04/01/96- 03/31/97	6174 \$2,500
Targeting DNA Vaccines to Professional Antigen Presenting Cells	Howell,Mark D	Microbiology Immune Response Corporation	07/01/96- 06/30/97	6191 \$25,000
Identification of Inhibitors of Mycobacterial Linkage Unit Synthesis	Brennan,Patrick J	Microbiology Glaxo Inc.	06/01/96- 05/31/98	6192 \$59,104
Growth of M. Tuberculosis	Belisle,John T	Microbiology Procept, Inc.	09/01/96- 02/28/97	6211 \$7,602
Mycolic Acid Synthesis; Target for New Drugs Against TB	Brennan,Patrick J	Microbiology SmithKline Beecham Pharmaceuticals	04/01/94- 03/31/97	6896 \$98,664
An Investigation Into the Effect of Conformation on Lameness & Orthopedic Injury in Ra...	McIlwraith,C Wayne Anderson,Tina Marie	Clinical Sciences AQHA-American Quarter Horse Assoc.	10/01/96- 12/31/97	5099 \$25,000
Physical Therapy Following Knee Surgery - A Prospective Clinical Study	Schwarz,Peter D	Clinical Sciences Morris Animal Foundation	09/01/96- 08/31/98	5202 \$22,518
The Role of Type XI Collagen in the Functional Integrity of Normal & Osteoarthritic...	Oxford,Julia Thom	Clinical Sciences Arthritis Foundation	07/01/96- 06/30/99	5421 \$75,000
Evaluation of Mechanism of Action of Intravenous Hyaluronan (Legend) in the Horse	McIlwraith,C Wayne Hendrickson,Dean A	Clinical Sciences Bayer Corp. / Agriculture Division	06/01/96- 05/30/97	6193 \$80,304
Radiofrequency (Electrosurgical) Ablation of Articular Cartilage for Osteoarthritis	Turner,Anthony Simon	Clinical Sciences Electroscope, Inc.	06/26/96- 03/31/97	6195 \$34,171
Meniscal Regeneration with Collagen Scaffolds: A Study in Sheep	Turner,Anthony Simon	Clinical Sciences Sulzer Innotec, Winterthur, Switzerland	07/22/96- 01/21/97	6196 \$18,475
Feline Propofol Field Study	Gaynor,James S	Clinical Sciences Mallinckrodt Veterinary, Inc.	07/15/96- 07/15/97	6200 \$7,500
Evaluation of the Magnavet to Provide Postoperative Analgesia in the Dog	Hellyer,Peter W Gaynor,James S	Clinical Sciences Integra Animal Health/Integra Health Int'l	10/01/96- 09/30/97	6202 \$9,773
Efficacy of Milbemycin Oxime in the Treatment of Cheyletiella sp Infestation in Dogs	White,Stephen D	Clinical Sciences CIBA-GEIGY Chemical Company	08/01/96- 08/01/98	6204 \$4,194
Electrical Stimulation of Bone Graft Substitutes in Long Bone Defects: A Pilot Study	Turner,Anthony Simon	Clinical Sciences EBI-Electro-Biology, Inc.	09/01/96- 08/31/97	6205 \$5,322

College: Veterinary Medicine & Biomedical Sciences -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Evaluation of Composite Tissue Adhesive in an Ovine Model	Turner,Anthony Simon	Clinical Sciences Cohesion Corporation	08/30/96- 12/31/96	6209 \$25,627

College: Other -- Awards

Title	Principal Investigator	Department / Sponsor Name	Dates	Proj # / \$ Amt.
Animal Care & Technical Services for Paravax	Maul,Donald H	Laboratory Animal Resources Heska Corporation (Paravax)	07/01/96- 06/30/97	6028 \$942,500
Animal Care & Technical Services for Paravax	Maul,Donald H	Laboratory Animal Resources Heska Corporation (Paravax)	07/01/96- 06/30/97	6028 \$69,596
Animal Studies Using Recombinant Hemoglobin Preparations	Maul,Donald H	Laboratory Animal Resources Somatogen	03/15/94- 03/15/97	6895 \$14,269
Rodent Thoren Caging Systems	Maul,Donald H	Laboratory Animal Resources HHS-Extramural Research Facil Constrtn	07/01/96- 06/30/97	7921 \$42,711
East Anatolia Watershed Training Project - Group 10 - France	Niehaus,Merle H Rittenhouse,Larry R	International Research & Development CID-Consortium for Inter. Development	09/10/96- 09/30/96	9213 \$9,864
Colorado Water Resource Research Institute Program - FY 96	Ward,Robert C	Colorado Water Resources Res Inst DOI-USGS-Geological Survey	03/01/96- 02/28/97	2937 \$20,000
Partners in Parenting	Poncelow,Stacy Diane	Cooperative Extension Colorado Department of Human Service	07/01/96- 06/30/97	0925 \$82,571
Colorado Youth Council (CYC)	Millich,Krystie Rose Martin,Dorothy	Cooperative Extension Colorado Department of Human Service	07/01/96- 06/30/97	0931 \$12,434
Department of Local Affairs Work Study	Katers,Timothy J	Cooperative Extension Colorado Department of Local Affairs	07/01/96- 06/30/97	0952 \$3,900
Regional Prevention Center Project	Martin,Dorothy Poncelow,Stacy Diane	Cooperative Extension Colorado Department of Human Service	07/01/96- 06/30/00	0954 \$78,000
Colorado Youth Council	Millich,Krystie Rose Martin,Dorothy	Cooperative Extension Colorado Department of Education	07/01/96- 06/30/97	0964 \$10,000
Colorado STAND	Luevane,Carmen	Cooperative Extension Colorado Department of Human Service	07/01/96- 06/30/97	0968 \$26,000
Reduction of Losses of Nitrogen by Surge Irrigation	Bartholomay,Richard	Cooperative Extension DOI-Bureau of Reclamation	07/10/96- 01/31/99	1824 \$19,600
DARE to be You Primary Prevention for Preschoolers by Parents/Caregivers (Replication)...	Miller-Heyl,Janet L Fritz,Janet J	Cooperative Extension HHS-SAMHSA-CSAP-Ctr Substance Abuse Prvn	09/30/96- 09/29/97	4416 \$245,933
DARE to be You DARE-PAIR for Montezuma County, Colorado	Miller-Heyl,Janet L	Cooperative Extension Montezuma County Partners, Inc.	07/01/96- 06/30/97	5002 \$20,281
Student Support Services	Aragon,Geraldine J	Academic Advancement Center DE-Student Support Services	09/01/96- 08/31/97	4205 \$215,032