

Office of Vice President for Research
and
Information Technology

Research Proposals Submitted

and

Research Awards Received

April - June 1996

Research Proposals Submitted *and* Research Awards Received

April - June 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, 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:
 - Uncertainties about future federal funding contributed to proposal downturn.
 - Delayed agency budgets resulted in postponement of continuation awards.
 - Review committees convened late, delaying new awards.
 - Response time from agencies on all matters has been slow.
 - Agencies which normally fund on an annual basis are funding semi-annually.
 - Some competitive renewals have been denied.

Continued on next page

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>
94-95	2nd	Natural Resources	Forest Sciences	DOD	5	\$36 Million
	3rd	Vet Med & Bio Sci	Rad Hlth Sci	HHS	5	\$13 Million
	4th	Applied Human Sci	Social Work	CDHS	1	\$6 Million
		Natural Resources	Dean's Office	NSF	5	\$5 Million
95-96	1st	Engineering	CIRA	DOC/NOAA	5	\$80 Millon
	2nd	Engineering	Dean's Office	NSF	5	\$5 Million
		Natural Resources	Forest Sciences	DOD	5	\$5 Million
		Vet Med & Bio Sci	Rad Hlth Sci	DOE	5	\$5 Million
	3rd	Natural Sciences	Statistics	EPA	5	\$5 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	1st	Engineering	CIRA Admin Unit	DOD	4	\$4 Million
95-96	1st	Applied Human Sci	Social Work	CDHS	1	\$6 Million

This report is developed by the Office of Sponsored Programs at Colorado State University. Please forward any comments, address changes or corrections to:

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This information is also available on our web site.

<http://www.vpr.colostate.edu>

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Section II

Detailed List of Proposals Submitted for Current Quarter
Sequential within College by Department Number

Section III

Detailed List of Awards Received for Current Quarter
Sequential within College by Department Number

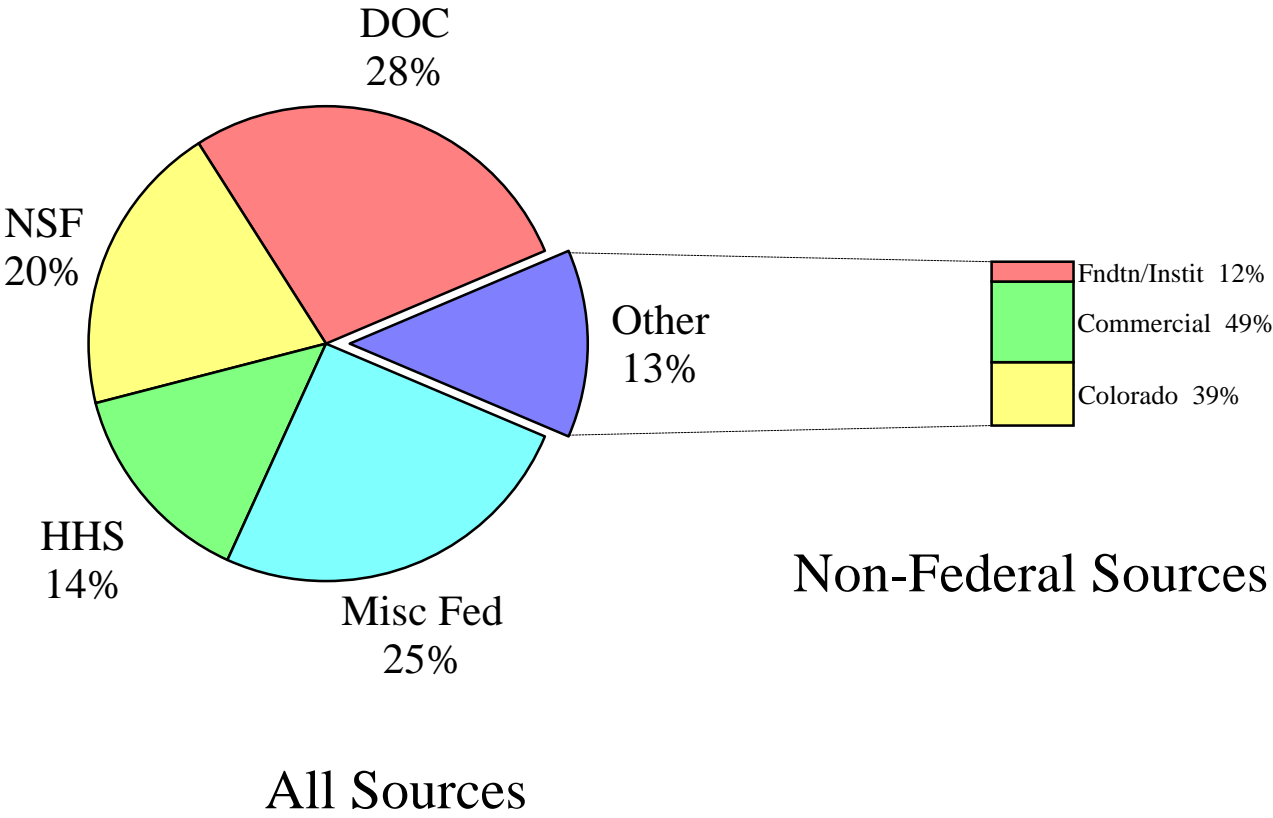
Section I

Historical Summaries

Historical and Current Quarter Proposal Summaries

Proposals by Fund Source

Comparison Totals for Fiscal Year



July - June

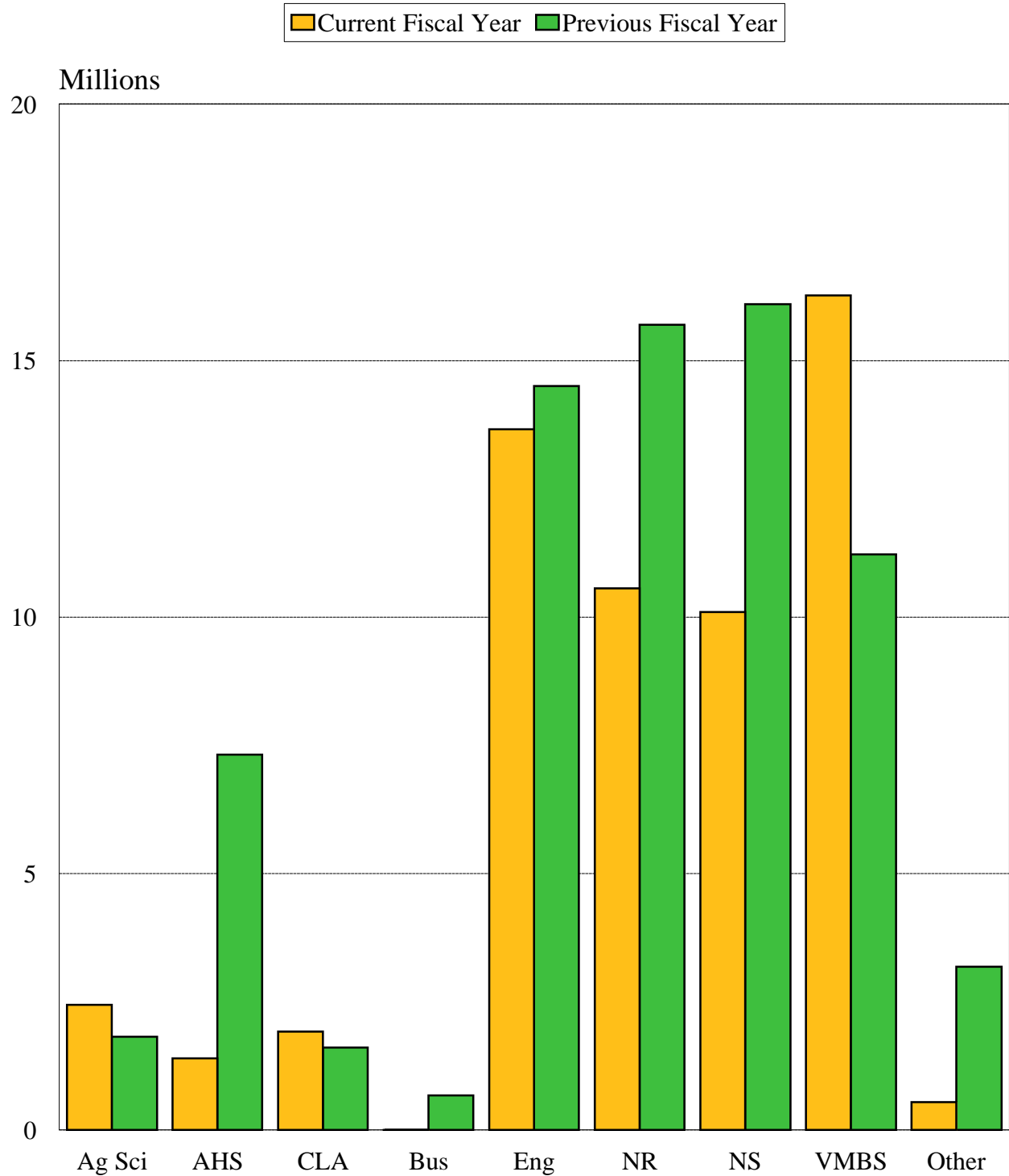
Comparison of Current Quarter Proposals to Same Quarter Previous Fiscal Year

<u>Sponsor Name</u>	04/01/96 - 06/30/96		04/01/95 - 06/30/95	
	<u>Number</u>	<u>Amount</u>	<u>Number</u>	<u>Amount</u>
Commercial	48	\$3,617,263	46	\$8,144,007
Foundations	10	\$897,898	14	\$883,904
Action / Peace Corps	0	\$0	1	\$14,410
State of Colorado	* 21	\$1,958,458	27	\$7,948,436
USDA - Department of Agriculture	6	\$2,042,965	10	\$2,249,236
DOC - Department of Commerce	6	\$1,841,955	3	\$186,814
DOD - Department of Defense	16	\$3,372,193	12	\$2,505,100
DOEd - Department of Education	1	\$347,256	0	\$0
FEMA - Federal Emergency Management Agency	1	\$327,952	0	\$0
DOE - Department of Energy	11	\$5,599,427	1	\$413,094
EPA - Environmental Protection Agency	6	\$2,037,188	12	\$4,021,496
HHS - Health & Human Services Department	24	\$12,876,002	31	\$18,690,074
USDI - Department of the Interior	17	\$1,714,641	9	\$810,292
NASA - National Aeronautics & Space Admin.	8	\$2,952,142	1	\$389,382
NEH - Nat. Endowment for the Humanities	1	\$224,938	0	\$0
NSF - National Science Foundation	* 43	\$17,075,000	63	\$25,636,151
DOT - Department of Transportation	<u>0</u>	<u>\$0</u>	<u>1</u>	<u>\$229,308</u>
*** TOTAL ***	219	\$56,885,278	231	\$72,121,704

* See Foreword

Proposals by College for Quarter

Comparison of Proposal Submissions



April - June

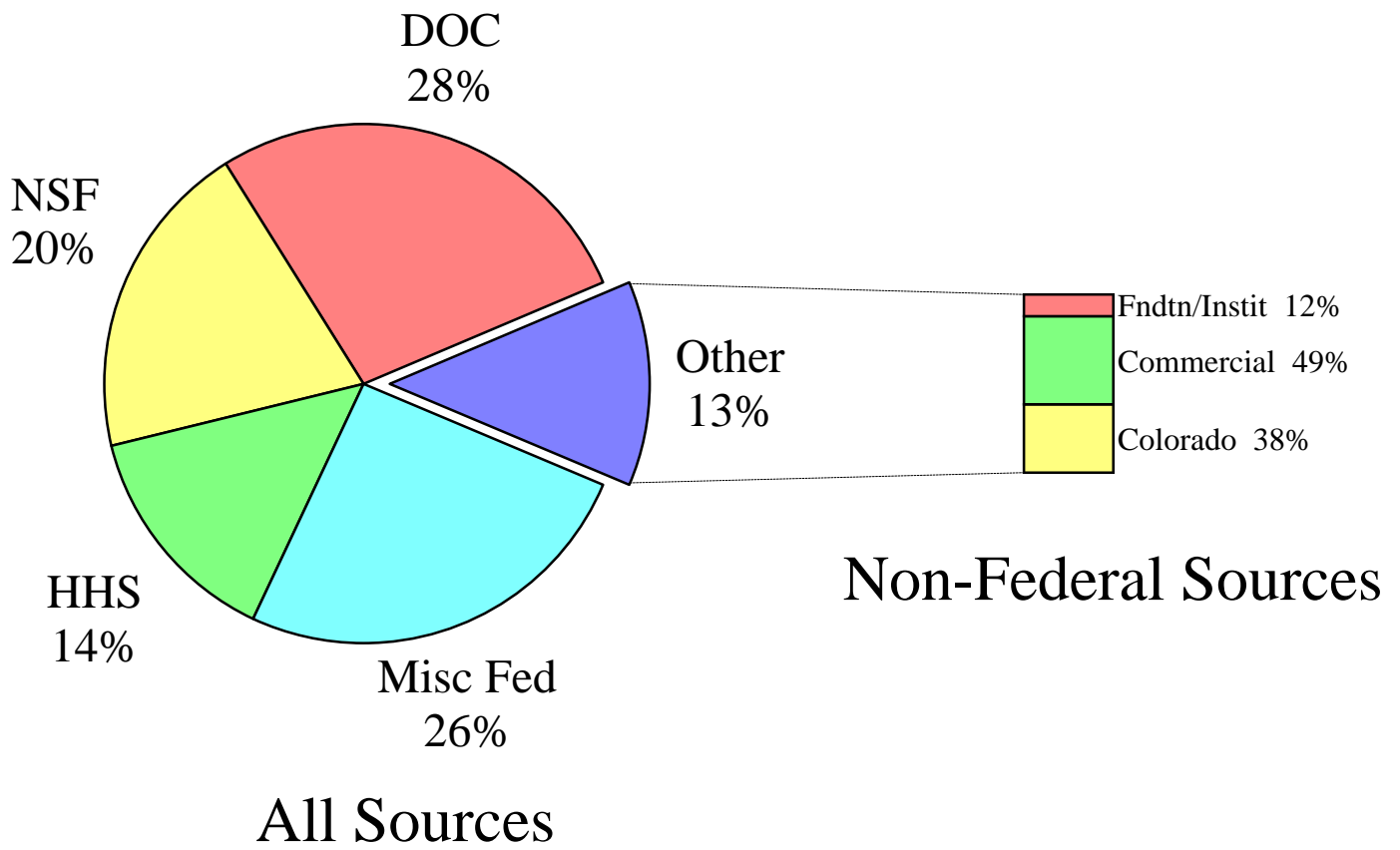
Comparison of Current Quarter Proposals to Same Quarter Previous Fiscal Year

<u>College Name</u>	04/01/96 - 06/30/96 04/01/95 - 06/30/95			
	<u>Number</u>	<u>Amount</u>	<u>Number</u>	<u>Amount</u>
Ag Sci - Agricultural Sciences	11	\$2,440,543	18	\$1,822,702
AHS - Applied Human Sciences	* 10	\$1,395,570	9	\$7,319,884
CLA - Liberal Arts	7	\$1,914,338	3	\$1,607,046
Bus - Business	0	\$0	2	\$673,010
Eng - Engineering	57	\$13,658,357	48	\$14,504,253
NR - Natural Resources	35	\$10,559,579	44	\$15,698,342
NS - Natural Sciences	44	\$10,098,673	45	\$16,099,255
VMBS - Veterinary Med. & Bio. Sciences	50	\$16,271,784	43	\$11,218,382
Other - Other	* 5	\$546,434	19	\$3,178,830
*** TOTAL ***	219	\$56,885,278	231	\$72,121,704

* See Foreword

Proposals by Fund Source

Comparison Totals for Fiscal Year



July - June

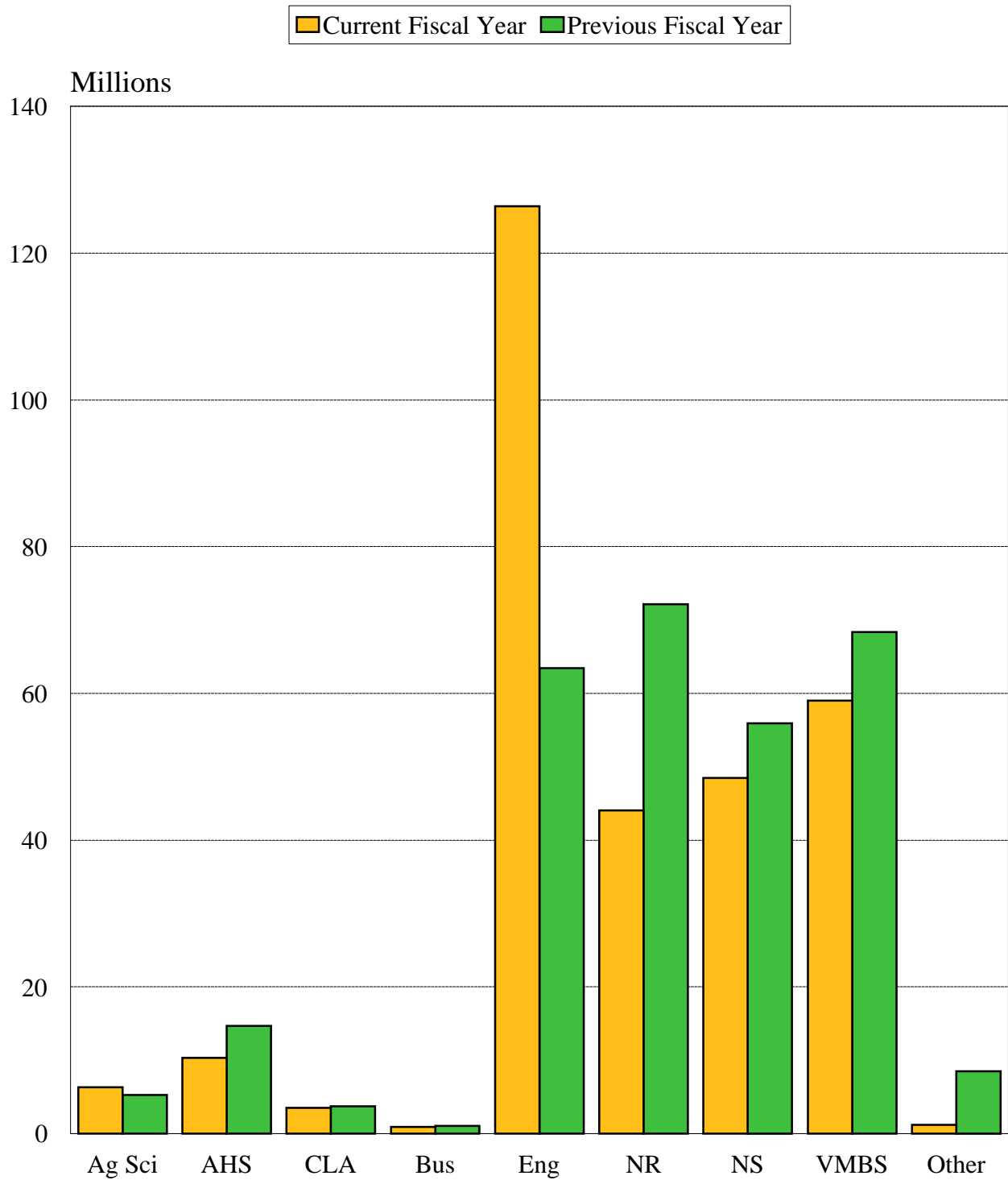
Comparison Cumulative Fiscal Year Proposals to Same Period Previous Fiscal Year

<u>Sponsor Name</u>	07/01/95 - 06/30/96 07/01/94 - 06/30/95			
	<u>Number</u>	<u>Amount</u>	<u>Number</u>	<u>Amount</u>
Commercial	187	\$18,590,208	178	\$19,151,173
Foundations	55	\$4,378,624	40	\$1,895,535
Institutes	3	\$193,699	1	\$210,420
State of Colorado	* 65	\$14,438,109	78	\$16,983,381
Action / Peace Corps	0	\$0	1	\$14,410
USDA - Department of Agriculture	60	\$12,328,319	68	\$12,858,562
DOC - Department of Commerce	* 11	\$82,818,171	16	\$2,563,931
CNCS - Corp for National & Community Services	0	\$0	2	\$171,794
DOD - Department of Defense	* 54	\$17,628,290	62	\$57,208,251
DOEd - Department of Education	6	\$2,962,134	16	\$8,270,575
FEMA - Federal Emergency Management Agency	1	\$327,952	0	\$0
DOE - Department of Energy	* 22	\$16,392,938	15	\$5,605,303
EPA - Environmental Protection Agency	* 24	\$14,434,505	22	\$5,680,530
HHS - Health & Human Services Department	* 77	\$43,060,804	94	\$78,349,599
USDI - Department of the Interior	24	\$2,086,366	34	\$4,336,842
DOJ - Department of Justice	0	\$0	1	\$198,858
DOL - Department of Labor	0	\$0	1	\$462,078
NASA - National Aeronautics & Space Admin.	31	\$10,366,008	31	\$11,740,824
NEA - National Endowment for the Arts	0	\$0	2	\$75,000
NEH - Nat. Endowment for the Humanities	3	\$422,529	2	\$9,500
NOICC - Nat OccupationalInfo Coord Comm	0	\$0	1	\$44,666
NSF - National Science Foundation	* 144	\$59,739,243	187	\$66,617,848
NRC - Nuclear Regulatory Commission	0	\$0	1	\$99,946
US Institute of Peace	0	\$0	1	\$33,000
Office of Research & Development	1	\$99,539	0	\$0
DOT - Department of Transportation	0	\$0	1	\$229,308
USIA - U.S. Information Agency	0	\$0	2	\$248,190
*** TOTAL ***	<u>768</u>	<u>\$300,267,438</u>	<u>857</u>	<u>\$293,059,524</u>

* See Foreword

Proposals by College

Comparison of Proposal Amounts by FY



July - June

Comparison Cumulative Fiscal Year Proposals to Same Period Previous Fiscal Year

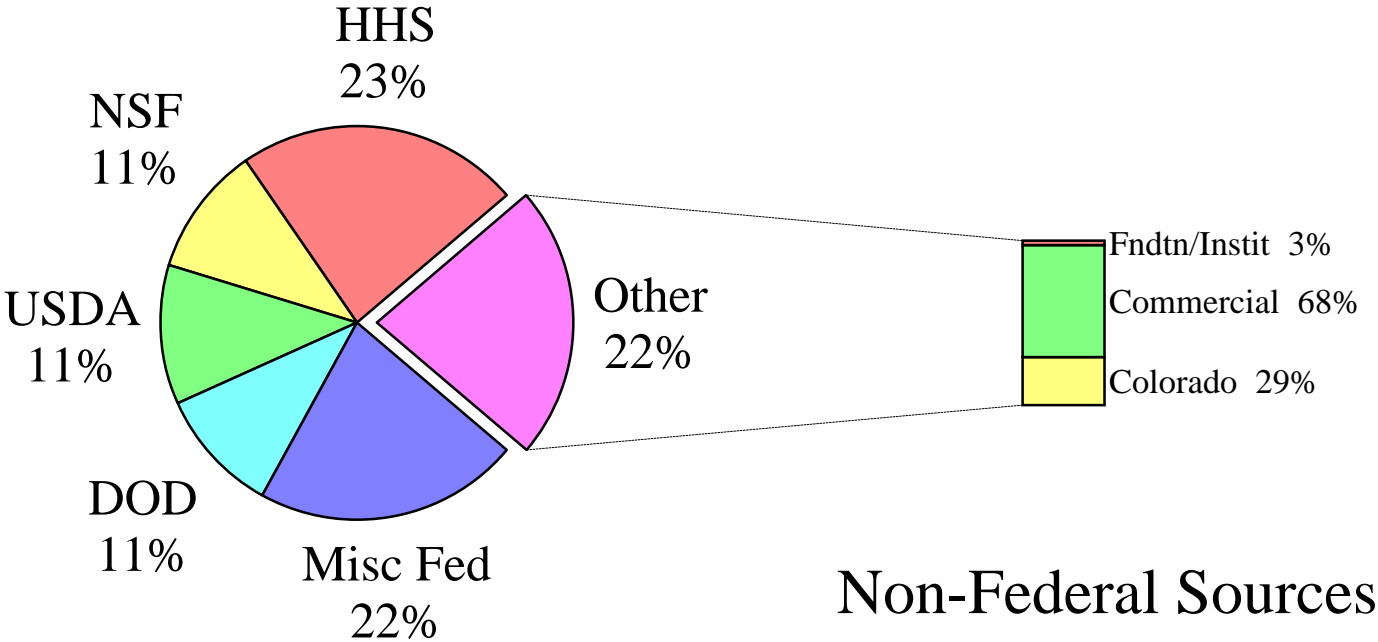
<u>College Name</u>	07/01/95 - 06/30/96		07/01/94 - 06/30/95	
	<u>Number</u>	<u>Amount</u>	<u>Number</u>	<u>Amount</u>
Ag Sci - Agricultural Sciences	40	\$6,343,610	51	\$5,259,107
AHS - Applied Human Sciences	39	\$10,319,635	52	\$14,683,832
CLA - Liberal Arts	21	\$3,496,406	15	\$3,681,699
Bus - Business	5	\$927,022	5	\$1,059,380
Eng - Engineering	* 184	\$126,402,751	219	\$63,468,139
NR - Natural Resources	* 123	\$44,048,784	128	\$72,186,470
NS - Natural Sciences	158	\$48,498,674	176	\$55,890,818
VMBS - Veterinary Med. & Bio. Sciences	* 185	\$59,018,477	166	\$68,371,265
Other - Other	* <u>13</u>	<u>\$1,212,079</u>	<u>45</u>	<u>\$8,458,814</u>
*** TOTAL ***	768	\$300,267,438	857	\$293,059,524

* See Foreword

Historical and Current Quarter Award Summaries

Awards by Fund Source

Quarter Ending June 1996



All Sources

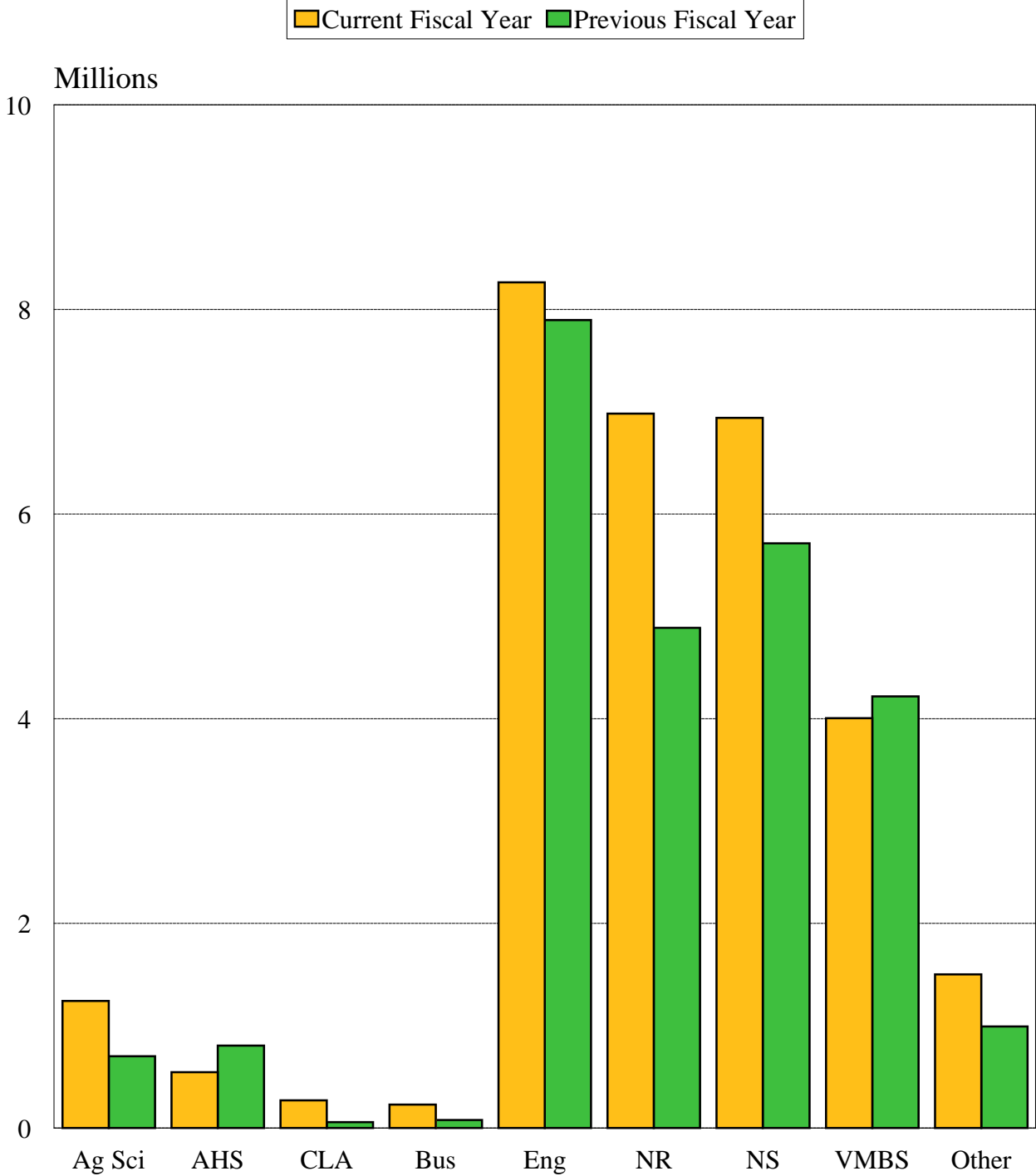
Non-Federal Sources

Comparison of Current Quarter Awards to Same Quarter Previous Fiscal Year

<u>Sponsor Name</u>	04/01/96 - 06/30/96		04/01/95 - 06/30/95	
	<u>Number</u>	<u>Amount</u>	<u>Number</u>	<u>Amount</u>
Commercial	133	\$4,483,828	128	\$4,887,583
Foundations	11	\$173,382	6	\$89,247
State of Colorado	34	\$1,900,560	42	\$1,503,741
USDA - Department of Agriculture	69	\$3,279,526	61	\$3,073,229
DOC - Department of Commerce	12	\$1,993,943	4	\$299,100
DOD - Department of Defense	30	\$3,083,566	20	\$1,516,125
DOEd - Department of Education	5	\$1,077,051	6	\$1,108,104
DOE - Department of Energy	4	\$751,984	8	\$837,558
EPA - Environmental Protection Agency	2	\$97,506	4	\$104,901
HHS - Health & Human Services Department	56	\$6,810,988	42	\$5,531,450
USDI - Department of the Interior	51	\$2,354,269	48	\$2,362,042
DOL - Department of Labor	1	\$15,600	0	\$0
NASA - National Aeronautics & Space Admin.	6	\$566,590	6	\$439,498
NSF - National Science Foundation	45	\$3,190,380	47	\$3,566,696
NRC - Nuclear Regulatory Commission	1	\$148,450	0	\$0
US Institute of Peace	0	\$0	1	\$33,000
DOT - Department of Treasury	<u>1</u>	<u>\$43,851</u>	<u>0</u>	<u>\$0</u>
*** TOTAL ***	461	\$29,971,474	423	\$25,352,274

Awards by College for Quarter

Comparison of Awards Received



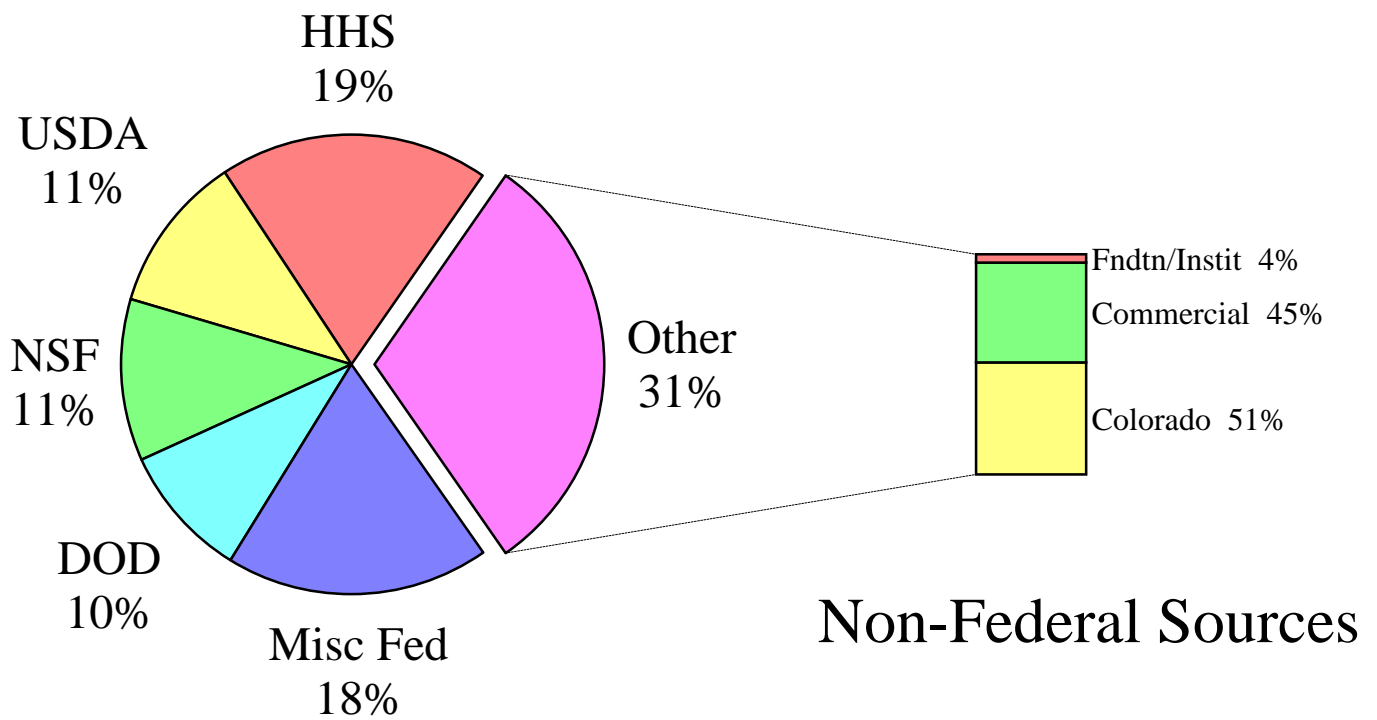
April - June

Comparison of Current Quarter Awards to Same Quarter Previous Fiscal Year

<u>College Name</u>	04/01/96 - 06/30/96		04/01/95 - 06/30/95	
	<u>Number</u>	<u>Amount</u>	<u>Number</u>	<u>Amount</u>
Ag Sci - Agricultural Sciences	59	\$1,242,128	54	\$699,789
AHS - Applied Human Sciences	25	\$545,085	23	\$805,530
CLA - Liberal Arts	6	\$272,350	4	\$58,649
Bus - Business	4	\$226,800	3	\$79,902
Eng - Engineering	95	\$8,263,689	98	\$7,897,213
NR - Natural Resources	116	\$6,978,960	102	\$4,887,032
NS - Natural Sciences	68	\$6,939,395	71	\$5,714,123
VMBS - Veterinary Med. & Bio. Sciences	68	\$4,003,742	51	\$4,218,517
Other - Other	<u>20</u>	<u>\$1,499,325</u>	<u>17</u>	<u>\$991,519</u>
*** TOTAL ***	461	\$29,971,474	423	\$25,352,274

Awards by Fund Source

Comparison Award Amounts by Fiscal Year



All Sources

July - June

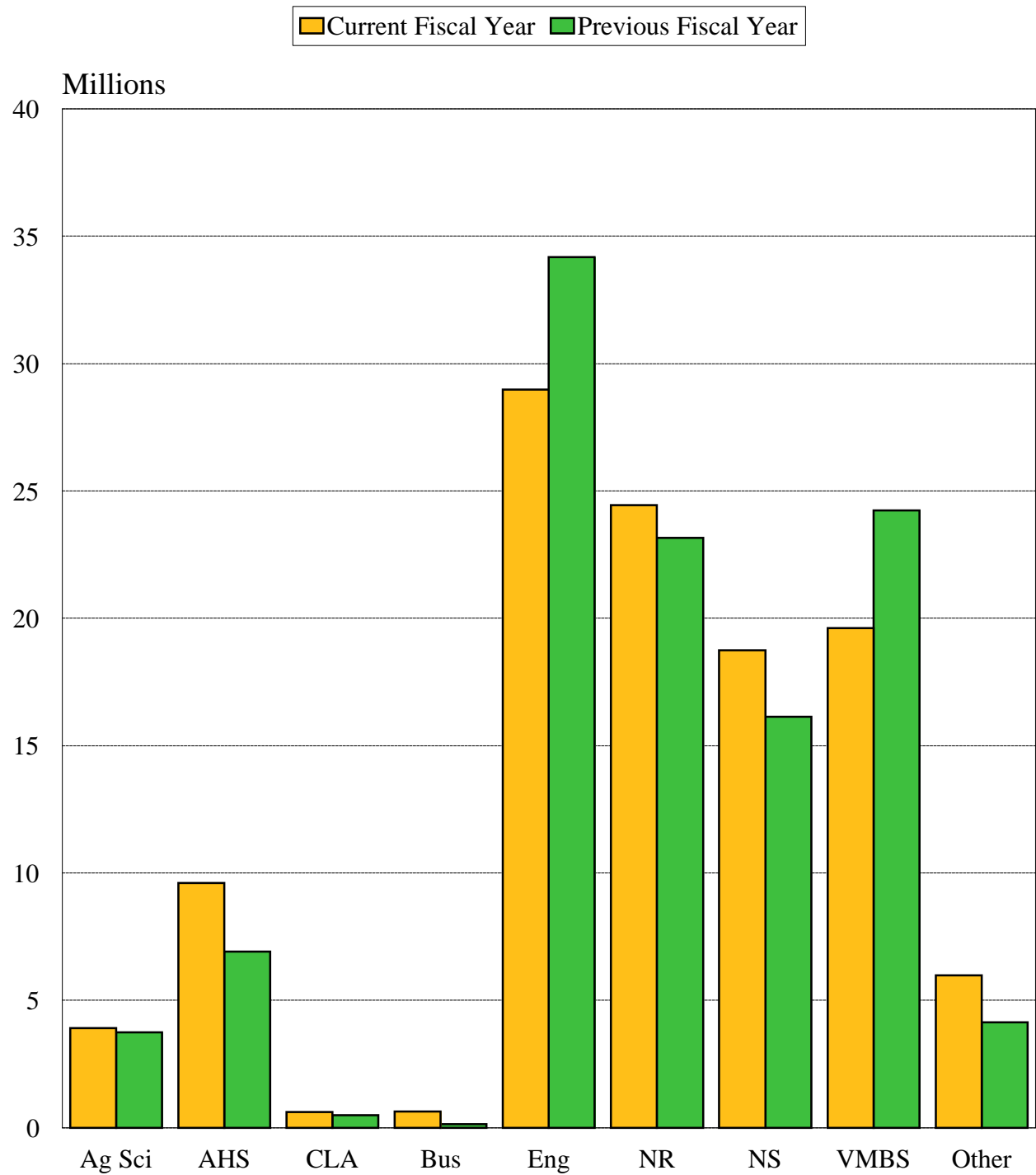
Comparison Cumulative Fiscal Year Awards to Same Period Previous Fiscal Year

<u>Sponsor Name</u>	07/01/95 - 06/30/96			
	<u>Number</u>	<u>Amount</u>	<u>Number</u>	<u>Amount</u>
Commercial	496	\$15,796,169	492	\$15,173,196
Foundations	36	\$757,484	36	\$1,141,588
Institutes	8	\$523,241	6	\$1,105,759
State of Colorado	* 186	\$17,510,526	186	\$11,422,270
Action / Peace Corps	1	\$13,700	2	\$13,400
USDA - Department of Agriculture	247	\$12,723,524	222	\$16,779,349
DOC - Department of Commerce	31	\$5,434,024	25	\$3,699,055
CNCS - Corporation for National & Community Srv	1	\$73,652	1	\$85,000
DOD - Department of Defense	* 92	\$10,802,960	80	\$11,121,688
DOEd - Department of Education	10	\$1,871,567	19	\$3,237,468
DOE - Department of Energy	24	\$3,291,418	30	\$3,461,519
EPA - Environmental Protection Agency	15	\$1,024,768	13	\$799,804
HHS - Health & Human Services Department	152	\$21,185,832	131	\$21,905,519
USDI - Department of the Interior	118	\$5,285,088	145	\$7,453,870
USEC - Enrichment Corporation	1	\$28,000	0	\$0
DOL - Department of Labor	2	\$486,600	2	\$471,000
NASA - National Aeronautics & Space Admin.	27	\$2,703,977	33	\$2,530,138
NEH - Nat Endowment for the Humanities	1	\$23,591	1	\$10,000
NSF - National Science Foundation	144	\$12,542,588	155	\$12,030,326
NRC - Nuclear Regulatory Commission	3	\$203,960	3	\$149,953
US Institute of Peace	0	\$0	1	\$33,000
RTT - Office of Resources, Trade & Technology	0	\$0	1	\$66,193
DOT - Department of Transportation	2	\$200,000	5	\$398,015
DOTr - Department of Treasury	1	\$43,851	0	\$0
TVA - Tennessee Valley Authority	<u>0</u>	<u>\$0</u>	<u>1</u>	<u>\$75,380</u>
*** TOTAL ***	1,598	\$112,526,520	1,590	\$113,163,490

* See Foreword.

Awards by College

Comparison Award Amounts by Fiscal Year



July - June

Comparison Cumulative Fiscal Year Awards to Same Period Previous Fiscal Year

<u>College Name</u>	07/01/95 - 06/30/96 07/01/94 - 06/30/95			
	<u>Number</u>	<u>Amount</u>	<u>Number</u>	<u>Amount</u>
Ag Sci - Agricultural Sciences	212	\$3,900,509	215	\$3,751,863
AHS - Applied Human Sciences	* 83	\$9,601,759	101	\$6,908,108
CLA - Liberal Arts	16	\$625,581	17	\$489,465
Bus - Business	13	\$643,893	5	\$149,914
Eng - Engineering	* 332	\$28,980,526	385	\$34,183,573
NR - Natural Resources	380	\$24,442,863	337	\$23,165,054
NS - Natural Sciences	227	\$18,741,030	213	\$16,129,289
VMBS - Veterinary Med. & Bio. Sciences	238	\$19,605,880	232	\$24,238,526
Other - Other	<u>97</u>	<u>\$5,984,479</u>	<u>85</u>	<u>\$4,147,698</u>
*** TOTAL ***	1,598	\$112,526,520	1,590	\$113,163,490

* See Foreword.

Section II

Proposals Submitted for Current Quarter

College: Agricultural Sciences -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Development of Octane-enhancing & Oxygenating Fuel Additives from Soybean Oil	Johnson,Duane L	Soil & Crop Sciences United Soybean Board	08/01/96- 12/31/97	96067501 \$61,956
Active Immunization of Beef Cattle Against Inhibin to Shorten the Postpartum Anestrus	Geary,Thomas W	Animal Sciences CIRB-Colo. Inst. of Research in Biotech.	07/01/96- 06/30/97	96054702 \$17,492
Economic & Equity Considerations in Forest Health Protection	Loomis,John B Rosenberger,Randall	Agricultural & Resource Economics NSF-Biological Centers	01/01/97- 12/31/99	96046401 \$254,958
Discrete Stochastic Programming Model of Management Alternatives for Forests & Plains	McKean,John R Betters,David R	Agricultural & Resource Economics NSF-Biological Centers	01/01/97- 12/30/99	96048001 \$746,781
Modeling Policies Which Integrate Water Quality & Quantity Management: Application to the Colorado River Basin.	Young,Robert A Makela,Carole J	Agricultural & Resource Economics NSF-Biological Centers	09/01/96- 08/31/98	96049901 \$389,130
Coping with Prolonged & Severe Drought in the Rio Grande River Basin	Frasier,Marshall Young,Robert A	Agricultural & Resource Economics New Mexico State University	09/01/96- 08/31/98	96055601 \$64,000
Determinants of Livestock Manure for Cropland Uses in the South Platte River Basin: An Agronomic, Economic	Hoag,Dana L Davis,Jessica G	Agricultural & Resource Economics American Farm Bureau Foundation/Research	10/01/96- 09/30/98	96060301 \$84,218
Molecular Stabilization of Plant Tissues Under Anhydrobiotic & Cryogenic Conditions	Stushnoff,Cecil McNeil,Michael R	Horticulture & Landscape Arch NSF-Biological Centers	01/01/97- 12/31/00	96068301 \$424,013
Integrated Leafy Spurge Management: Combining Biological Control Tools to Eliminate Herbicide Use	Beck,K George Rittenhouse,Larry R	Plant Pathology & Weed Science USDA-CSRS-CGP-Competitive Grants Program	07/01/96- 06/30/99	96047701 \$172,323
Biological Control of Weeds Using Seed Predators in Diverse Cropping Systems	MacRae,Ian V Westra,Philip	Entomology USDA-CSRS-CGP-Competitive Grants Program	04/01/97- 03/31/00	96047801 \$222,400
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	96064201 \$3,272

College: Applied Human Sciences -- Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
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	96039401 \$19,000
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	96039501 \$10,000
Improving Metabolic Fitness in Hispanic Adolescents	Anderson,Jennifer E	Food Science & Human Nutrition University of Colorado Health Sci Ctr	06/01/97- 05/31/02	96064501 \$405,564
Reduction of Risk for Renal Stone Formation	Gotshall,Robert Wilke,Lee	Exercise & Sport Science National Aeronautics & Space Admin.	10/01/96- 09/30/97	96048201 \$84,977
Cardiovascular Mechanism of Orthostatic- induced Syncope: Experimental & Modeling Approaches	Gotshall,Robert Sadeh,Willy Z	Exercise & Sport Science National Aeronautics & Space Admin.	10/01/96- 09/30/98	96054202 \$349,134
Energy Expenditure During Recreational Backpacking	Devoe,Dale E Gotshall,Robert	Exercise & Sport Science National Assoc for Sport & Physical Educ	10/01/96- 09/30/97	96054602 \$2,481
Characterization of Border Vehicles: An Expanded Border Vehicle Emission, Maintenance & Willingness to Pay...	Wolff,Birgit H Bohren,Lenora	Manufacturing Technology & Construction Mgmt Southwest Center for Envir. Res./Policy	05/01/96- 04/30/97	96039301 \$47,880
Colorado Old Age Pension Program: Description, Evaluation, & Recommendations	Buchan,Victoria	Social Work Colorado Department of Human Service	07/01/96- 06/30/97	96068001 \$99,278
Aiming for the Future - Completion of Secondary Education by Persons with Disabilities	Lehmann,Jean P	School of Education DE-Dept. of Devel. Post-Secondary	07/01/96- 06/30/99	96036701 \$347,256
Transition to Adulthood Systems Change Project	Lehmann,Jean P	School of Education Black Hills Spec. Svcs. Coop of South Dakota	06/01/96- 09/30/96	96055401 \$30,000

College: Liberal Arts – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Colorado International Invitational Poster Exhibition	Frickman,Linda G	Art Colorado Council on the Arts & Humanities	09/11/97- 10/24/97	96051901 \$6,970
Development, Testing, Publication of Procedures for Rapid Indirect Loss Assessment	Cochrane,Harold C	Economics State University of New York	07/01/95- 08/31/96	96045801 \$49,999
Partnership for Literacy: A K-12 / University Partnership for Writing Instruction & Teaching	Palmquist,Michael E Reid,Louann	English CATI-Colo. Advanced Technology Institute	09/01/96- 05/31/97	96047601 \$44,617
Colorado Partnership for Computing in the Humanities	Vest,David	Speech Communication NEH-DEP-Division of Education Programs	09/01/96- 09/01/98	96037101 \$224,938
Enhancing Mechanical Engineering Students' Communication Skills Through Computer-Assisted Instruction	Vest,David Palmquist,Michael E	Speech Communication NSF-EHR-Education & Human Resources	08/20/97- 08/19/00	96061701 \$257,047
A Survey of Autobody Repair Shop Practices	Zimmerman,Donald E Muraski,Michel L	Journalism & Technical Communication Automotive Service Association of Colorado	08/15/96- 12/15/96	96054102 \$10,891
Migrant/Provider Education: Efficacy & Cost Effectiveness	Slater,Michael D McCalden,Thomas A	Journalism & Technical Communication HHS-NIH-Environmental Health Services	09/30/96- 09/29/00	96061401 \$1,319,876

College: Engineering – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Fluorescence Measurements in Biofilters	Reardon,Kenneth F	Chemical & Bioresource Engineering E.G. & G.-Idaho National Engineering Lab	05/01/96- 08/31/96	96037301 \$7,030
Modeling of Turbulent Two-Phase Flow dugin Fiberization Process in Manufacturing...	Dandy,David	Chemical & Bioresource Engineering CAMI-Advanced Materials Institute/Colo.	07/01/99- 06/30/97	96038101 \$9,998
Electric Field Induced Liquid Crystalline Phase Transitions in Polar Polymer Blends	Belfiore,Laurence A	Chemical & Bioresource Engineering DOD-USAF-Air Force	07/01/96- 06/30/99	96043001 \$374,328
Neural Networks Generated from Knowledge Based Systems for Predicting Nitrate Leaching from Irrigated Lands	Broner,Israel Karim,Muhammad N	Chemical & Bioresource Engineering NSF-Biological Centers	09/01/96- 08/31/99	96043501 \$285,933
Impact of Agricultural Water Conservation Practices on Water Quality & Quality in River Basin	Broner,Israel Labadie,John W	Chemical & Bioresource Engineering NSF-Biological Centers	09/01/96- 08/31/99	96043601 \$386,772
Activity Enhancement of a Constitutive Trichloroethylene Degrading Bacterium for In Situ Bioagumentation	Reardon,Kenneth F Klein,Donald A	Chemical & Bioresource Engineering EPA-Water Pollution Control/R&D	09/01/96- 08/31/99	96044801 \$456,770
Combined Aerobic & Anaerobic Transformation of Chlorinated Solvents Using A Single Recirculation Well...	Reardon,Kenneth F	Chemical & Bioresource Engineering Oregon State University	09/01/96- 08/31/99	96045701 \$215,659
Fluorescence Monitoring of Microbial Activity in Soil & Gas Bioremediation Systems	Reardon,Kenneth F Menoni,Carmen S	Chemical & Bioresource Engineering DOE-Office of Energy Research	09/01/96- 08/31/99	96050001 \$601,787
Optimization of Energy Substrate in Cometabolic Bioventing of Chlorinated Solvents	Reardon,Kenneth F McWhorter,David	Chemical & Bioresource Engineering DOE-Office of Energy Research	09/01/96- 08/31/99	96050101 \$273,975
Nitrogen Loop in a Life Support System	Reardon,Kenneth F Sadeh,Willy Z	Chemical & Bioresource Engineering National Aeronautics & Space Admin.	10/01/96- 09/30/99	96052301 \$642,634
Feasibility Study for the Development of a Decision Support System for a Multi-State Basin	Garcia,Luis	Chemical & Bioresource Engineering DOI-USGS-Geological Survey	09/01/96- 08/31/98	96058201 \$63,020
Mathematical Models for Film Growth: Application to Diamond CVD	Dandy,David	Chemical & Bioresource Engineering Northwestern University	12/01/96- 11/30/99	96061001 \$367,020
Examination of the Potential for 12 to 36 Hour Cloud-resolving Model Prediction of Convective Storms	Cotton,William R	Atmospheric Science NSF-GEO-Geosciences	10/01/96- 09/30/99	96037501 \$227,225
AIRS & CloudSat Studies	Stephens,Graeme L	Atmospheric Science Calif. Inst. of Tech/Jet Propulsion Lab	05/28/96- 08/15/96	96039801 \$11,500
Cloud Radar & CloudSat Studies	Stephens,Graeme L	Atmospheric Science Calif. Inst. of Tech/Jet Propulsion Lab	05/28/96- 08/15/96	96039901 \$12,000
Improving Nexrad-Based Estimates of Precipitation Rates & Hydrometeor Classification	Rutledge,Steven A Bringi,Viswanathan N	Atmospheric Science NSF-GEO-Geosciences	10/01/96- 09/30/99	96040101 \$429,206
Further Analysis of the Shipboard Radar Data from COARE: Rainfall, Convective Organization & Surface...	Rutledge,Steven A	Atmospheric Science DOC-NOAA-Natl Oceanic & Atmospheric Admn	01/01/97- 12/31/99	96045901 \$572,332
Simulations of the Interaction Between Deep Convection & the Ocean Mixed Layer during TOGA COA...	Cotton,William R Pielke,Roger A	Atmospheric Science DOC-NOAA-Natl Oceanic & Atmospheric Admn	10/01/96- 09/30/99	96046101 \$290,335
Influence of the Tropical Western Pacific on Climate Dynamics	Schubert,Wayne H	Atmospheric Science DOC-NOAA-Natl Oceanic & Atmospheric Admn	03/15/97- 03/14/00	96046201 \$391,025
Study of Large-Scale Motions, Boundary Layer Processes & Convective Parameterizations using TOGA...	Johnson,Richard H	Atmospheric Science DOC-NOAA-Natl Oceanic & Atmospheric Admn	01/01/97- 12/31/99	96046301 \$548,361

College: Engineering – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
A New Treatment of Cirrus Radiative Properties: Testing with Field & Laboratory Measurements	Stephens,Graeme L Stackhouse,Paul Jr	Atmospheric Science Desert Research Institute	11/01/96- 10/31/99	96049301 \$17,052
Day-Night Radiative Forcing in Tropospheric Observations & Numerical Climate Simulations	Gray,William M	Atmospheric Science DOE-Office of Energy Research	11/01/96- 10/31/98	96049401 \$260,001
Refinement & Testing of a Mesoscale Convective System Parameterization Scheme	Cotton,William R	Atmospheric Science DOE-Office of Energy Research	11/01/96- 10/31/99	96049501 \$541,647
An ARM Spectrally Scanning Radiometer (ASSR) for Measuring Solar Fluxes & Radiances	Stephens,Graeme L McCoy,Robert F	Atmospheric Science DOE-Office of Energy Research	11/01/96- 10/31/99	96052501 \$771,222
Refinement, Validation & Application of Cloud-Radiation Parameterization in a GCM	Stephens,Graeme L	Atmospheric Science DOE-Office of Energy Research	11/01/96- 10/31/99	96052601 \$923,455
Terrain Responsive Atmospheric Code, HAZMAT Upgrade	Pielke,Roger A	Atmospheric Science School of Mines	06/01/96- 12/31/97	96054402 \$85,740
Lake Ice Modeling & the Paleoenvironment of the Eastern Canadian Arctic Over the Last 21 Ka:...	Pielke,Roger A Liston,Glen E	Atmospheric Science National Science Foundation	12/01/96- 11/30/98	96059201 \$98,334
Direct Identification of Liquefaction Induced Ground Failure Hazard in Improved & Natural Ground	Charlie,Wayne A	Civil Engineering DOI-USGS-Geological Survey	12/01/96- 11/30/97	96037701 \$92,189
Wind Effects on Long-Span Bridges	Bienkiewicz,Bogusz J	Civil Engineering Engineering Incorporated	05/01/96- 04/30/97	96039601 \$95,000
Seismic/Base Isolation Using Geosynthetics	Siller,Thomas J Charlie,Wayne A	Civil Engineering NSF-Biological Centers	07/01/96- 07/01/99	96043701 \$510,992
Systems Investigation of Advanced Life Support Systems	Sadeh,Willy Z Burns,Patrick J	Civil Engineering National Aeronautics & Space Admin.	10/01/96- 09/30/99	96053902 \$642,910
Operational/Management Technical Support Offpost Pump & Treat System	Warner,James W	Civil Engineering DOD-ARMY-Rocky Mountain Arsenal	05/01/96- 03/01/97	96054302 \$270,000
A Decision Support System to Assess Landslide & Debris Flow Hazards & Risks	Garcia,Luis Mejia-Navarro,Mario	Civil Engineering FEMA-Federal Emergency Management Agency	08/01/96- 07/31/98	96054902 \$327,952
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	96055701 \$34,630
Value of Research & Data in Solving Western Water Problems	Grigg,Neil S	Civil Engineering DOI-USGS-Geological Survey	09/01/96- 08/31/98	96057601 \$42,668
International Research Needs on Reservoir Sedimentation	Albertson,Maurice L Molinas,Albert	Civil Engineering NSF-GEO-Geosciences	09/01/96- 08/31/97	96057701 \$52,434
Interaction of Surface Runoff, Micro & Macrotopography & Infiltration Ecology of Western Reservoirs	Ramirez,Jorge A Woolhiser,David A	Civil Engineering NSF-GEO-Geosciences	01/01/97- 12/31/99	96057801 \$274,014
Expanding Civil Engineering Perspectives Sustainable Infrastructure & Appropriate Technology	Fontane,Darrell G Bartholow,John (NBS)	Civil Engineering DOI-National Biological Survey	09/01/96- 08/31/99	96061101 \$28,388
Case Studies in Civil Engineering Education	Albertson,Maurice L	Civil Engineering NSF-EHR-Education & Human Resources	01/01/97- 12/31/98	96061501 \$267,361
	Siller,Thomas J Grigg,Neil S	Civil Engineering NSF-EHR-Education & Human Resources	09/01/96- 08/31/99	96061601 \$186,064

College: Engineering – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Evaluate the Feasibility of Near-field Microwave NDI Methodology for Rubber Hose Inspection	Zoughi,Reza	Electrical Engineering DOD-NAVY-Naval Air Systems Command	06/01/96- 05/31/97	96040401 \$99,653
Determination of Optimized Microwave Parameters for NDI of FRP Pipe Joints & Development for an X-band...	Zoughi,Reza	Electrical Engineering Laser Technology, Inc.	06/01/96- 09/30/96	96052901 \$34,757
Microwave Detection of Exposed & Covered Surface Breaking Cracks in Steel Bridges	Zoughi,Reza Ganchev,Stoyan	Electrical Engineering Virginia Transportation Research Council	11/01/96- 10/31/98	96054002 \$61,150
Dual-Doppler/Multiparameter Radar Studies during Races	Bringi, Viswanathan N	Electrical Engineering NSF-GEO-Geosciences	04/01/97- 03/31/00	96056401 \$311,579
Time Delay Estimation Using New Time-Scale Methods	Azimi-Sadjadi,M R	Electrical Engineering DOD-NAVY-ONR-Office of Naval Research	10/01/96- 09/30/99	96056801 \$179,967
Contour Lapping - Process Evaluation	Peterson,Michael	Mechanical Engineering Storage Technology Corporation	04/15/96- 12/31/96	96036801 \$86,236
Optimization of Natural-gas Combustion in Spark-ignited Engines Through Manipulation of Intake Flow Config...	Puzinauskas,Paulius Willson,Bryan D	Mechanical Engineering Midwest Research Institute - NREL	09/01/96- 09/01/97	96040301 \$148,959
Impact Fatigue Study of Composite to Aluminum Joints	Radford,Donald W	Mechanical Engineering CAMI-Advanced Materials Institute/Colo.	07/01/96- 06/30/97	96041001 \$10,000
Advanced II-VI Material Processing with Air to Vacuum to Air (AVA) Technology	Sampath,Walajabad S Barth,Kurt	Mechanical Engineering CAMI-Advanced Materials Institute/Colo.	07/01/96- 06/30/97	96041301 \$9,976
Reduction of Photolithographic Wastes in Manufacturing Integrated Circuits	Edwards,Harry W Karim,Muhammad N	Mechanical Engineering NSF-Biological Centers	10/01/96- 09/30/99	96043201 \$448,690
Sculpt Phase IV - Custom Development	Alciatore,David	Mechanical Engineering Wohlers Associates	05/15/96- 09/30/96	96048501 \$28,759
Environmentally Benign Plasma Processing of Discrete Components with a Unique Air to Plasman to Air Trans...	Sampath,Walajabad S Barth,Kurt	Mechanical Engineering NSF-Biological Centers	10/01/96- 09/30/99	96050201 \$217,997
Delivery of a Prototype C-K Truck Panel Plate	Peterson,Michael	Mechanical Engineering Lear Automotive Industries	05/01/96- 06/30/97	96052801 \$26,550
Engineering Total Joint Replacement Materials to Utilize In Vivo Lubrication Mechanisms	James,Susan P	Mechanical Engineering Whitaker Foundation	01/01/97- 12/31/99	96055301 \$207,089
Industrial Ecology Assessment	Winn,C Byron	Mechanical Engineering UCAR-NCAR-Research Applications Program	06/01/96- 10/01/96	96056201 \$48,110
Performance of CLo as a Filler in EMI Shielding	Radford,Donald W	Mechanical Engineering MER Corporation	08/01/96- 07/31/97	96066801 \$24,922
GOES-I/M Product Assurance & Advance Product Development for A Demonstration Project for Satellite...	Vonderhaar,Thomas H	CIRA DOC-NOAA-NWS-National Weather Service	07/01/96- 06/30/97	96040001 \$25,000

College: Natural Resources – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
ITAM, Land Condition Trend Analysis Program Support at Fort Lewis, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/20/96- 09/30/96	96048701 \$48,891
ITAM, Land Condition Trend Analysis Program Support for Aberdeen Proving Ground, Maryland	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	07/01/96- 06/30/97	96048801 \$63,978
ITAM Support for Fort Carson & Pinon Canyon Maneuver Site, Colorado	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	07/01/96- 06/30/97	96048901 \$66,134
Integrated Training Area Management Support for Yakima Training Center, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/20/96- 12/20/96	96049001 \$139,498
Military Training & Land Management Support for the U.S. Army Training Support Center, Ft. Eustis, Virginia	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/03/96- 06/02/97	96060801 \$75,334
ITAM & LRAM Support for Yakima Training Center, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/10/96- 06/09/97	96060901 \$109,436
Collaborative Research on: Why Does Forest Growth Decline with Stand Age: An Experimental Test	Binkley,Daniel E	Forest Sciences NSF-Biological Centers	01/01/97- 12/31/99	96062001 \$339,921
Ecosystem Significance of Soil as a Long Term Sink for Anthropogenic Addition of N	Burke,Ingrid C Maciel,Gary E	Forest Sciences NSF-Biological Centers	01/01/97- 12/31/99	96065301 \$652,119
Land Condition-Trend Analysis Technical Support for the US Army Environmental Center	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	07/15/96- 01/14/97	96069701 \$71,939
Review of Salmonid Invasions Worldwide - International Collaborative Research	Fausch,Kurt D	Fishery & Wildlife Biology NSF-SBE-Social, Behav & Econ Sciences	11/01/96- 10/31/97	96037601 \$5,850
American Kestrels as Bioindicators of Environmental Endocrine Disruptors	McEwen,Lowell C Ramsdell,Howard S	Fishery & Wildlife Biology Environmental Protection Agency	10/01/96- 09/30/99	96049801 \$438,491
Effects of Oil Field Development on Golden Eagle Populations	McEwen,Lowell C	Fishery & Wildlife Biology DOI-USFWS-Fish & Wildlife Service	03/01/97- 12/30/99	96060501 \$380,327
Comparative Studies of Riparian Leaf Litter Inputs & Decomposition	Covich,Alan P	Fishery & Wildlife Biology USDA-USFS-Forest Service	07/15/96- 06/30/97	96064401 \$10,000
Foraging Behavior & Population Dynamics of Beaver in Regulated & Unregulated, Arid...	Wilson,Kenneth R	Fishery & Wildlife Biology DOI-National Biological Survey	11/01/96- 01/31/98	96067101 \$44,711
Effects of Oil Field Development on Golden Eagle Populations	McEwen,Lowell C Petersen,Brett E	Fishery & Wildlife Biology Chevron Chemical Company	10/01/96- 09/30/99	96070101 \$380,327
Anthropogenic & Natural Disturbances in Coastal Tropical Riverine Communities: Coupling Physical...	Covich,Alan P	Fishery & Wildlife Biology Utah State University	01/01/97- 12/31/99	96071501 \$182,493
Effects of Different-sized Herbivores on Nitrogen Cycling in Grasslands: Cross-site Study	Milchunas,Daniel G Detling,James K	Rangeland Ecosystem Science NSF-Biological Centers	02/01/97- 12/31/99	96063901 \$287,154
Watershed Research - Baseline Data on Parks to Evaluate Environmental Changes	Haas,Glenn E Herrmann,Raymond	Nat Resource Recreation & Tourism USDI-National Biological Survey	07/01/96- 08/01/99	96034801 \$59,500
Public Attitudes Toward Parks	Vaske,Jerry J Haas,Glenn E	Nat Resource Recreation & Tourism National Parks & Conservation Assoc.	04/01/96- 04/01/97	96036601 \$24,145
Evaluating the Effectiveness of One Watchable Wildlife in Parks Project Kiosk: A Pilot Evaluation	Wells,Marcella A	Nat Resource Recreation & Tourism Colorado Division of Wildlife	05/01/96- 12/03/97	96046601 \$15,180

College: Natural Resources – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Snow Deposition Studies in Two National Parks of the Rocky Mountain Cordillera	Elder, Kevin J	Earth Resources DOI-NPS-National Park Service	05/01/96- 04/30/98	96037401 \$33,000
Mapping Values in Relation to an Environmental Dilemma	Laituri, Melinda	Earth Resources NSF-Biological Centers	09/01/96- 08/31/98	96043301 \$191,692
Evaluation & Modeling of Land Use, Erosion, Sedimentation & Coral Performance	MacDonald, Lee H Wohl, Ellen E	Earth Resources NSF-Biological Centers	04/01/97- 03/30/00	96047501 \$816,406
Curriculum Development: Field Measurements in Hydrology	MacDonald, Lee H	Earth Resources NSF-EHR-Education & Human Resources	05/01/97- 09/01/99	96061801 \$153,166
Anthropogenic Influences on Common Ravens in the Mojave Desert	Knight, Richard L	Cooperative Fish & Wildlife Research DOI-National Biological Survey	06/01/96- 06/30/01	96047901 \$207,609
Software Development for Adaptive Dynamic Programming - Waterfowl Adaptive Management	Anderson, David R	Cooperative Fish & Wildlife Research DOI-National Biological Survey	09/01/96- 09/30/97	96064601 \$36,000
Declining Native Plant Diversity Caused by Invasive Weeds & Interactions with Grazing: A Multi-state...	Stohlgren, Thomas J Singer, Francis J	Natural Resource Ecology Lab DOI-National Biological Survey	05/01/96- 04/30/99	96042801 \$225,000
Developing an Inventory & Monitoring Plan for Rocky Mountain National Park	Stohlgren, Thomas J Coughenour, Michael B	Natural Resource Ecology Lab DOI-National Biological Survey	05/01/96- 04/30/99	96042901 \$150,000
Assessment of C & N Dynamics in Changing Landscapes with Linked Succession Biogeochemistry Model	Ojima, Dennis Schimel, David S	Natural Resource Ecology Lab Texas A & M	01/01/97- 12/31/99	96044101 \$255,810
Evaluation of Livestock Distribution: Potential of Improving Riparian Conditions & Water Quality	Coughenour, Michael B	Natural Resource Ecology Lab Montana State University	01/01/97- 12/31/99	96044501 \$70,977
Vulnerability of Chihuahuan Desert Grasslands & Dominant Plant Species to Global Change	Coffin, Debra P Parton, William J	Natural Resource Ecology Lab NSF-Biological Centers	09/01/96- 08/31/99	96044601 \$1,426,589
Determination of the Respiratory & Photosynthetic Components of Ecosystem Atmosphere Carbon Dioxide...	Schimel, David S Kelly, Eugene F	Natural Resource Ecology Lab NSF-Biological Centers	10/01/96- 09/30/99	96044701 \$1,242,186
Ecosystem Function, Landscape Heterogeneity, & the Biodiversity of Plant Species, Life-forms & Multiple Land...	Coughenour, Michael B Ellis, James E	Natural Resource Ecology Lab NSF-Biological Centers	01/01/97- 12/31/00	96064801 \$798,359
VEMAP Phase II - Ecosystem Dynamics Studies	04/01/96- Parton, William J	Ojima, Dennis 96064901 National Aeronautics & Space Admin.	Natural Resource Ecology Lab 03/31/97	96064901 \$100,732
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	08/01/96- 07/31/97	96065001 \$1,456,625

College: Natural Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Mathematics, Computing Skills, & Science Core for Non-Science Majors	Raich,John C	Dean of Natural Sciences NSF-EHR-Education & Human Resources	07/01/97- 06/30/99	96061901 \$200,000
CETP Communication & Dissemination Network for Chemistry, Mathematics Ed & Science Ed	Stein,Fredrick M	Center for Science, Math & Tech Edu NSF-EHR-Education & Human Resources	07/01/96- 06/30/99	96054802 \$6,999
Cloning & Expression of Human Brain Glutaminase / A Potential Target for Stroke Therapy	Curthoys,Norman P	Biochemistry & Molecular Biology CIRB-Colo. Inst. of Research in Biotech.	07/01/96- 06/30/97	96053802 \$15,000
Glutaminase Inhibitors as Neuroprotective Agents	Curthoys,Norman P	Biochemistry & Molecular Biology Neurex Corporation	06/01/96- 11/30/96	96056301 \$4,446
Regulation of Neurite Outgrowth, Regeneration, & Navigation by ADF	Bamburg,James R Meberg,Peter	Biochemistry & Molecular Biology Spinal Cord Research Foundation	01/01/97- 12/31/98	96068201 \$86,441
Hemorrhagic & Necrotic Toxins in Snake Venoms	Tu,Anthony T	Biochemistry & Molecular Biology HHS-PHS-Pharmacology & Biorelated Chem	06/01/97- 05/31/02	96068501 \$1,233,086
Control of Renal Glutaminase Induction During Acidosis	Curthoys,Norman P	Biochemistry & Molecular Biology HHS-PHS-Diabetes, Endocrin. & Metab. Res	04/01/97- 03/31/02	96068701 \$1,017,064
Novel Fischer Carbene Methodology for Organic Synthesis	Hegedus,Louis S Pineiro-Nunez,Marta	Chemistry HHS-NRSA-Nat. Research Service Award	09/15/96- 09/15/99	96035101 \$74,908
Total Synthesis of the Anticancer Agent Amphidinolide K	Hegedus,Louis S Reeder,Lisa	Chemistry HHS-NRSA-Nat. Research Service Award	09/01/96- 09/01/99	96035201 \$74,908
Geochemistry & Microbiology of Arsenic & Vanadium in Hydrothermally-Influenced Surface Waters	Crans,Debbie C	Chemistry NSF-Biological Centers	11/01/96- 10/31/99	96035301 \$207,779
Preparation of Photoconductive Materials: New Pigments & Metal Complexes	Crans,Debbie C	Chemistry CAMI-Advanced Materials Institute/Colo.	07/01/96- 06/30/97	96035901 \$10,000
Electroluminescent Materials Based on Rare Earth Doped Semiconductor Nanoclusters	Kelley,David F	Chemistry NSF-MPS-Mathematical & Physical Sciences	10/01/96- 09/30/99	96037801 \$394,208
A Study of New Actinide Zintl Ion Materials	Dorhout,Peter K	Chemistry DOE-Office of Energy Research	10/01/96- 09/30/99	96043901 \$320,669
Separation & Recovery of Ions from Aqueous Media with Reusable Redox-Active Metal-Complex Extractants	Strauss,Steven H	Chemistry DOE - Office of Energy Research	07/01/96- 06/30/99	96044001 \$363,676
Solvation & Reaction Dynamics of Dihalide Ions in Molecular Clusters	Ladanyi,Branka M	Chemistry NATO-North Atlantic Treaty Organization	01/01/97- 12/31/98	96049601 \$5,750
Extraction & Recovery of Mercury & Lead from Aqueous Waste Streams Using Redox-Active Layered Metal	Dorhout,Peter K Strauss,Steven H	Chemistry DOE-Office of Energy Research	08/01/96- 07/31/99	96050301 \$415,930
Chemistry of Actinide Materials in Glass Melts	Dorhout,Peter K	Chemistry DOE-Office of Energy Research	10/01/96- 09/30/99	96051601 \$308,862
New Methods & Applications for Bioconjugation	Greenberg,Marc M	Chemistry CATI-Colo. Advanced Technology Institute	07/01/96- 06/30/97	96052701 \$31,572
Optical Properties of Silicon, Germanium & Layered Nanoclusters	Kelley,David F	Chemistry Sandia Corporation/Sandia National Lab.	06/01/96- 09/30/96	96056701 \$25,000
Asymmetric Epoxidation of Olefins by Chiral Dioxiranes	Shi,Yian	Chemistry HHS-PHS-Public Health Services	04/01/97- 03/31/02	96057901 \$492,187

College: Natural Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Syntheses & Characterization of Vanadium-HAT Derivatives	Crans,Debbie C	Chemistry Petroleum Research Fund	09/01/96- 08/31/98	96058001 \$50,000
New Opportunities in Fundamental Nano Electrochemistry & Bioelectrochemistry	Martin,Charles R	Chemistry DOD-NAVY-ONR-Office of Naval Research	10/01/96- 09/30/99	96058101 \$314,809
Studies on the Biosynthesis of Taxol	Williams,Robert M	Chemistry American Chemical Society	09/01/96- 08/31/99	96064101 \$75,000
Development of an IEEE Standard for PGM (Processing Graph Method)	Seidman,Stephen B	Computer Science DOD-NAVY-NRL-Naval Research Lab	08/01/96- 08/01/97	96071401 \$58,341
Intelligent Algorithm Control for Surveillance Applications	Poore,Aubrey B	Mathematics Orincon	07/01/96- 06/30/97	96039701 \$20,000
Identification of Nonlinear Functional Dependencies of Constitutional Laws in Fluid & Reactive Transport Problems	Duchateau,Paul C Butters,Gregory	Mathematics NSF-SBE-Social, Behav & Econ Sciences	01/01/97- 12/31/98	96064001 \$15,834
Argon-39 Measurement by Photon Burst Mass Spectrometry	Fairbank,William M J	Physics NSF-MPS-Mathematical & Physical Sciences	09/01/96- 08/31/99	96034901 \$983,182
High Resolution XUV Interferometry with a Compact Soft X-ray Laser Source	Lee,Siu Au Rocca,Jorge J G	Physics NSF-MPS-Mathematical & Physical Sciences	07/01/96- 06/30/99	96035001 \$799,310
Ultrasonic Determination of Elastic Moduli & Damping	Leisure,Robert G	Physics CAMI-Advanced Materials Institute/Colo.	07/01/96- 06/30/97	96041101 \$10,000
Mesopause Tides Based on Extensive Mod & Sodium Lidar Data Sets: Cedar Postdoc	She,Chiaoyao Krueger,David A	Physics NSF-GEO-Geosciences	10/01/96- 09/30/99	96046501 \$141,049
Lidar Observation of Vertical Fluxes of Heat & Horizontal Momentum in the Mesosphere Region	She,Chiaoyao Krueger,David A	Physics NSF-GEO-Geosciences	10/01/96- 09/30/99	96047001 \$141,049
Comparative Study of Mesopause Gravity Waves & Tides with an Extensive Na Lidar Set	She,Chiaoyao Krueger,David A	Physics NSF-GEO-Geosciences	10/01/96- 09/30/99	96047101 \$141,049
Mesopause Tidal Effects on Temperature, Na Density & Heat Flux Based on 24-Hour Lidar Observations	She,Chiaoyao Krueger,David A	Physics NSF-GEO-Geosciences	10/01/96- 09/30/99	96047201 \$141,049
High Frequency Properties of Ferrite Films for Microwave & Millimeter Wave Devices	Patton,Carl E	Physics DOD-NAVY-ONR-Office of Naval Research	10/01/96- 09/30/99	96061301 \$603,948
Organizational Culture Survey of the Colorado Division of Wildlife	Hautaluoma,Jacob E	Psychology Colorado Division of Wildlife	06/20/96- 10/02/96	96044401 \$34,993
Alcohol Use & Related Problems Among Asian Youth	Swaim,Randall C	Psychology WestEd	04/01/97- 03/31/01	96060401 \$267,599
Color Vision in the Peripheral Retina	Volbrecht,Vicki J Nerger,Janice L	Psychology NSF-Biological Centers	01/01/97- 12/31/00	96067001 \$326,696
Simulation Evaluations Relevant to Bowhead Whale Aboriginal Management Schemes	Givens,Geof H	Statistics DOC-NOAA-Natl Oceanic & Atmospheric Admn	08/15/96- 05/15/97	96043401 \$14,902
Strategies for Overwintering by Hatchlings of Northern Turtles	Packard,Gary C	Biology NSF-Biological Centers	01/01/97- 12/31/99	96040201 \$204,628
Impact of Alternate Habitats on Population Genetics of Aphid Biocontrol Agents	Antolin,Michael F	Biology USDA-CSRS-Coop. States Research Service	09/01/96- 08/30/99	96049701 \$176,617

College: Natural Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Investigation of Baseline Conditions & Potential Effects of Acid Mine Drainage on Water Quality...	Wunder,Bruce A Nimmo,Del Wayne R	Biology DOI-National Biological Survey	05/01/96- 09/30/97	96051701 \$19,660
Toxicological Studies at the Eastern Municipal Water District Wetlands, Hemet, California	Wunder,Bruce A Nimmo,Del Wayne R	Biology DOI-National Biological Survey	10/01/95- 09/30/96	96051801 \$10,925
Plasticity of Brown Tree Snake Foraging Foraging Efficiency	Wright,William G	Biology National Geographic Society	02/15/99- 05/15/99	96065101 \$16,300
Phylogenetic & Biogeographic Patterns of Intercontinental Disjunct Plants in the Northern Hemisphere	Wen,Jun	Biology NSF-Biological Centers	01/01/97- 12/31/99	96069801 \$243,248

College: Veterinary Medicine & Biomedical Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Extramural Research Facilities Construction - BSLII Facility / Foothills Campus	Voss,James L	Dean of Veterinary Medicine HHS-NIH-Nat. Ctr. for Research Resources	09/30/96- 09/29/97	96044301 \$1,500,000
Electrophysiology of GnRH/NonGnRH Neurons	Dudek,F Edward Suter,Kelly J	Anatomy & Neurobiology HHS-NRSA-Nat. Research Service Award	09/01/96- 08/30/99	96035401 \$22,608
Local Synaptic Excitation in Hippocampus	Wuarin,Jean-Pierre	Anatomy & Neurobiology HHS-PHS-Public Health Services	04/01/97- 03/31/01	96056101 \$405,414
Selective Reversal of Glutamate Transporters During Ischemia	Madl,James E	Anatomy & Neurobiology HHS-PHS-Public Health Services	04/01/97- 03/31/00	96058701 \$440,428
Calcium Channel Function in Mammalian Motoneurons	Beam,Kurt G Lorenzon,Nancy M	Anatomy & Neurobiology Spinal Cord Research Foundation	01/01/97- 01/01/00	96068401 \$103,956
FIV Model of Inutero HIV Infection & Intervention	Hoover,Edward A Rogers,Arlin B	Pathology HHS-NRSA-Nat. Research Service Award	08/01/96- 07/31/99	96035501 \$93,600
Effects of HIV-1 on Thymopoiesis in the SCID-hu Mouse	Akkina,Ramesh K Walton,Raquel M	Pathology HHS-NRSA-Nat. Research Service Award	09/01/96- 08/31/99	96035601 \$97,500
Type 1 vs Type 2 Cytokine Response during FIV Infection	Hoover,Edward A Avery,Paul R	Pathology HHS-NRSA-Nat. Research Service Award	08/01/96- 07/31/99	96035701 \$93,600
Evaluation of DNA Vaccines for Ovine Lentivirus Infections	Demartini,James C Young,Jamie K	Pathology HHS-NRSA-Nat. Research Service Award	09/01/96- 08/31/99	96036501 \$101,600
Comparative Pathology Training Program	Cockerell,Gary L	Pathology HHS-NRSA-Nat. Research Service Award	04/01/97- 03/31/02	96048601 \$927,580
Nutritional Enhancement of Immune Function & Resistance to Infectious Disease	Callahan,Gerald N	Pathology Pfizer Inc. - Animal Health	07/01/96- 06/30/97	96049101 \$10,000
Construction of a Multi-competitor Gene for Quantitation of Feline Cytokines	Avery,Paul R Hoover,Edward A	Pathology Pfizer Inc. - Animal Health	07/01/96- 06/30/97	96049201 \$7,337
Thymopoiesis from Expanded Progenitors in SCID-hu Mice	Akkina,Ramesh K	Pathology University of Colorado Health Sci Ctr	01/01/97- 12/31/00	96055002 \$808,300
Genetic Mechanisms of Host Resistance to Malaria	Swardson,Christine J	Pathology HHS-PHS-Public Health Services	04/01/97- 03/31/02	96055501 \$507,500
Quantitative Assay of Feline Cytokines	Hoover,Edward A Avery,Paul R	Pathology AVMA-Amer Veterinary Medi Assoc Found	01/01/97- 12/31/97	96068801 \$6,465
Anti-androgenic Pesticides & Male Reproduction	Veeramachaneni,D N R	Physiology Environmental Protection Agency	10/01/96- 09/30/99	96046701 \$443,730
Dietary Modulation of Orthostatic Tolerance	Wilke,Lee Fettman,Martin J	Physiology National Aeronautics & Space Admin.	10/01/96- 09/30/97	96052401 \$143,994
Bioequivalence Study	Squires,Edward L	Physiology Hoechst-Roussel Pharmaceutical Company	05/15/96- 10/30/96	96056501 \$104,446
Delivery of Therapeutic Proteins to Dogs by Intramuscular Injection of Plasmid DNA	Bowen,Richard A	Physiology AVMA-Amer Veterinary Medi Assoc Found	09/01/96- 08/30/97	96068101 \$13,034
Human Cataracts & Space Radiation Risk Estimates	Lett,John T	Radiological Health Sciences DOD-USAF-Air Force	05/01/96- 03/31/97	96042601 \$49,997

College: Veterinary Medicine & Biomedical Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Development & Use of Integrated Human Health & Ecological Risk Assessments Procedures to Support Clean...	Hakonson,Thomas Kirchner,Thomas B	Radiological Health Sciences US Department of Defense	07/01/97- 06/30/99	96043101 \$845,940
Hyperthermia & Perfusion Effects in Cancer Therapy	Gillette,Edward L	Radiological Health Sciences Duke University	12/01/95- 11/30/00	96048301 \$196,044
Cancer Susceptibility & G2 Chromosomal Radiosensitivity	Bedford,Joel S	Radiological Health Sciences DOE-Office of Energy Research	09/01/96- 08/31/00	96048401 \$818,203
Effects of Heavy Ions on the Central Nervous System: DNA Damage & Repair in Retinal Photoreceptor	Lett,John T Larue,Susan M	Radiological Health Sciences National Aeronautics & Space Admin.	01/01/97- 12/31/00	96052101 \$532,491
Human Chromosome Damage from Stimulated Galactic Heavy Ion Irradiation: Mechanisms...	Bedford,Joel S	Radiological Health Sciences National Aeronautics & Space Admin.	11/01/96- 10/31/99	96052201 \$455,270
Hydrologic Ecological & Socio-Economic Linkages in Small Semi-arid Watersheds Receiving Contaminated...	Hakonson,Thomas Kirchner,Thomas B	Radiological Health Sciences NSF-Biological Centers	10/01/96- 09/30/99	96053002 \$1,446,948
HZE Radiation Induced Chromosomal Instability	Bedford,Joel S	Radiological Health Sciences HHS-NIH-NCI-National Cancer Institute	04/01/97- 03/31/02	96065201 \$1,296,059
Experimental Determination of Biochemical & Pharmacokinetic Constants for Physiologically Bases Pharm...	Yang,Raymond S H	Environmental Health Acrylonitrile Group, Inc.	07/01/96- 12/31/97	96036401 \$274,044
Mechanisms & Biomarkers of Endocrine - Disrupting Environmental Chemicals in Amphibians	Ramsdell,Howard S	Environmental Health Environmental Protection Agency	10/01/96- 09/30/99	96046801 \$428,179
Domestic Animal Models for the Effects of Environmental Endocrine Disruptors	Reif,John S Keefe,Thomas J	Environmental Health Environmental Protection Agency	10/01/96- 09/30/98	96046901 \$230,092
GENE - Environment Relationships in Hormonal Carcinogenesis	Cosma,Greg N	Environmental Health University of Colorado Health Sci Ctr	10/01/96- 09/30/97	96048101 \$27,915
Residential Pesticide Application Reducing Risk Through Training	Bigelow,Philip L	Environmental Health EPA-Pesticides Control Research	07/01/96- 12/31/97	96054502 \$39,926
Melatonin as a Biomarker of Oxidative Stress in Humans	Ramsdell,Howard S Reif,John S	Environmental Health HHS-NIH-NCI-National Cancer Institute	02/01/97- 01/31/98	96056601 \$72,307
GIS - Based Exposure Assessment in Agricultural Production Landscapes	Nuckols,John R Weigel,Stephanie J	Environmental Health HHS-NIH-NCI-National Cancer Institute	10/01/96- 09/30/99	96059101 \$533,710
American Dipper Toxic Metal Exposure Biomarker Pilot Study	Ramsdell,Howard S	Environmental Health DOI-USFWS-Fish & Wildlife Service	06/01/96- 05/31/97	96060701 \$14,980
Provision of Health & Safety Training to Health Providers in Mexico	Bigelow,Philip L Salman,Mowafak D	Environmental Health HHS-DRR-Fogarty International Center	01/01/97- 12/31/01	96064701 \$738,247
Industrial Hygiene Training Program	Buchan,Roy M	Environmental Health HHS-Occup Safety/Health Research Grants	07/01/97- 06/30/02	96066901 \$957,529
Characteristics of Relinquished Pets in U.S. Shelters: An Epidemiological Approach	Salman,Mowafak D	Environmental Health AVMA-Amer Veterinary Medi Assoc Found	10/15/96- 10/14/97	96068601 \$9,665
Statistical Analysis of the Method Detection Limit (MDL) for Cryptosporidium	Klein,Donald A Givens,Geof H	Microbiology American Water Works Assoc. Research Fd.	10/01/96- 09/30/98	96037001 \$208,395
Bioprocessing of Sweet Sorghum	Tengerdy,Robert	Microbiology USDA-Foreign Agricultural Service	10/01/97- 10/28/97	96052001 \$5,000

College: Veterinary Medicine & Biomedical Sciences – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Dengue Control in Mosquitoes by Single Chain Antibodies	Olson,Kenneth E Higgs,Stephen	Microbiology HHS-PHS-Public Health Services	04/01/97- 03/31/00	96058501 \$439,364
Genetics of Transovariole Transmission	Black,William C IV	Microbiology HHS-PHS-Public Health Services	04/01/97- 03/31/00	96058601 \$364,469
Identification of Inhibitors of Mycobacterial Linkage Unit Synthesis	Brennan,Patrick J	Microbiology Glaxo Inc.	07/01/96- 12/31/97	96060601 \$59,104
Heat Treatment of Massive Bone Allograft	Withrow,Stephen J	Clinical Sciences AlloSource	04/01/96- 03/31/97	96036901 \$20,868
Pharmacokinetics, Toxicity & Efficacy of Cisplatin Released from Polymer Delivery Vehicles Injected...	Dernell,William S	Clinical Sciences CIRB-Colo. Inst. of Research in Biotech.	07/01/96- 06/30/97	96055802 \$14,638
Aged Ovariectomized Ewe as a Model for Menopause	Turner,Anthony Simon Gaynor,James S	Clinical Sciences HHS-PHS-Aging Research	01/01/97- 12/31/97	96056001 \$72,458
In Vivo Studies of Antibiotic Impregnated Beads	Dernell,William S	Clinical Sciences University of Colorado School of Pharma	02/01/97- 02/01/00	96058401 \$213,225
Pharmacokinetics, Toxicity, & Efficacy of Cisplatin Released from Polymer Delivery Vehicles Injected...	Dernell,William S	Clinical Sciences Atrix, Inc.	07/01/96- 06/30/96	96064301 \$14,637
Effect of Oral Glucosamine & Glycominoglycans in a Canine Model of Osteoarthritis	Egger,Erick L Huber,Douglas J	Clinical Sciences Nutramax Laboratories, Inc.	07/15/96- 06/30/97	96067401 \$48,753
Gas Chromatographic Evaluation of Feline Vaccines	Macy,Dennis W Ogilvie,Gregory K	Clinical Sciences AVMA-Amer Veterinary Medi Assoc Found	12/01/96- 12/01/97	96067901 \$12,235

College: Other – Proposals

Title	Principal Investigator	Department / Sponsor Name	Dates	Key # / \$ Amt
Return Flows in Urban Landscape Irrigation & Water Use	Ward,Robert C Oad,Ramchand	Colorado Water Resources Res Inst DOI-USGS-Geological Survey	09/01/96- 08/31/99	96058301 \$272,034
Providing Results from EPA's Environmental Education Programs to Public School Educators in the Western U.S....	Ward,Robert C	Colorado Water Resources Res Inst Texas A & M	09/01/96- 08/31/98	96061201 \$20,000
Regional Prevention Center Project	Martin,Dorothy Poncelow,Stacy Diane	Cooperative Extension Colorado Department of Human Services	07/01/96- 06/30/97	96042701 \$78,000
Colorado State University Community Coalition for Violence Prevention Education	Carrothers,Ruth	Women's Program Colorado Trust Foundation	08/01/96- 07/31/98	96044201 \$166,400
Upward Bound Summer Food Service Program	Thayer,Paul B	Center-Educational Assess/Outreach Colorado Department of Education	06/01/96- 07/31/96	96037201 \$10,000

Section III

Awards Received for Current Quarter

College: Agricultural Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
NIS Faculty Exchange Program	Spencer,William P	International Agricultural Program USDA-Foreign Agricultural Service	07/16/95- 07/31/96	2122 \$5,071
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/96	6751 \$4,500
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/96	6751 \$3,000
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/96	6751 \$5,500
Arkansas Valley Project	Schweissing, Frank C	Arkansas Valley Research Center Various "For Profit" Sponsors	06/23/92- 12/31/97	6751 \$500
Agronomic Research in Western Colorado	Pearson, Calvin H	Western Slope - Fruita Various "Non-Profit" Sponsors	07/01/91- 06/30/97	6667 \$1,500
Trapping Program for European Corn Borer Ostrinia Nubilalis (HBN.), in Western Colorado Sweet Corn Fields	Zimmerman, Rick J	Rogers Mesa Research Center Colorado West Sweet Corn & Broccoli Adm Cmtt	05/15/95- 09/15/96	5106 \$3,384
Trapping Program for European Corn Borer Ostrinia Nubilalis (HBN.), in Western Colorado Sweet Corn Fields	Zimmerman, Rick J	Rogers Mesa Research Center Colorado West Sweet Corn & Broccoli Adm Cmtt	05/15/95- 09/15/96	5106 \$600
Southwest Colorado Research Center Outreach	Berrada, Abdelfettah	South Western Colorado Ag. Res. Ctr. Various "Non-Profit" Sponsors	01/18/96- 01/18/98	5060 \$800
Southwest Colorado Research Center Outreach	Berrada, Abdelfettah	South Western Colorado Ag. Res. Ctr. Various "Non-Profit" Sponsors	01/18/96- 01/18/98	5060 \$1,500
South Western Colorado Crop Research	Sommers, Lee E Berrada, Abdelfettah	South Western Colorado Ag. Res. Ctr. Colorado Dry Bean Advisory Board	11/01/92- 12/31/97	5253 \$3,000
Training & Education for Agricultural Chemicals & Groundwater	Waskom, Reagan M	Soil & Crop Sciences Colorado Department of Agriculture	07/01/95- 06/30/96	0774 \$7,230
Development & Management of Canola in the Great Plains Region	Johnson, Duane L	Soil & Crop Sciences Kansas State University	05/01/94- 04/30/97	1306 \$15,280
Legume Cover Crops in Fallow as an Integrated Crop/Livestock Alternative in the Northern & Central...	Peterson, Gary A Westfall, Dwayne G	Soil & Crop Sciences University of Wyoming	07/01/94- 12/31/96	1310 \$19,080
Colorado Pesticide Impact Assessment Program	Mortvedt, John	Soil & Crop Sciences USDA-ES-CES-Cooperative Extension Srv	05/01/96- 04/30/97	1406 \$13,993
Biological Testing & Evaluation of Plant Germplasm	Stanelle, James R	Soil & Crop Sciences USDA-ARS-NPA-National Seed Storage Lab	03/03/95- 11/30/99	2022 \$15,000
Soil Survey & Soil Survey Certificate	Kelly, Eugene F Cipra, Jan E	Soil & Crop Sciences USDA-SCS-Soil Conservation Service	04/30/96- 09/30/96	2073 \$51,200
Colorado Seed Growers	Stanelle, James R	Soil & Crop Sciences Colorado Seed Growers Association	07/01/96- 06/30/97	5097 \$105,841
Bean Breeding Program	Brick, Mark A	Soil & Crop Sciences Colorado Dry Bean Advisory Board	11/01/92- 12/31/97	5254 \$4,500
Validating Alternative Manure Management Systems	Waskom, Reagan M Dalsted, Norman L	Soil & Crop Sciences American Farm Bureau Research Foundation	02/01/95- 02/02/97	5410 \$10,172

College: Agricultural Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Bean Testing Project	Shanahan,John	Soil & Crop Sciences Colorado Dry Bean Advisory Board	06/01/92- 12/31/97	5648 \$3,750
Soil Fertility Studies	Westfall,Dwayne G	Soil & Crop Sciences Various "For Profit" Sponsors	04/01/91- 06/30/98	6642 \$5,450
Soil Fertility Studies	Westfall,Dwayne G	Soil & Crop Sciences Various "For Profit" Sponsors	04/01/91- 06/30/98	6642 \$6,000
Soil Fertility Studies	Westfall,Dwayne G	Soil & Crop Sciences Various "For Profit" Sponsors	04/01/91- 06/30/98	6642 \$3,000
Soil Fertility Studies	Westfall,Dwayne G	Soil & Crop Sciences Various "For Profit" Sponsors	04/01/91- 06/30/98	6642 \$3,000
Central Plains Resources Management Research	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/95- 09/30/96	8009 \$44,191
Great Plains Systems Research Unit	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/95- 09/30/96	8010 \$37,790
Water Management Research	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/95- 09/30/96	8011 \$17,230
Sugarbeet Production Research	Sommers,Lee E	Soil & Crop Sciences USDA-ARS-Agricultural Research Service	10/01/95- 09/30/96	8013 \$62,279
Excellence in Teaching Program	Field,Thomas G	Animal Sciences University of Wyoming	04/01/96- 03/31/98	2207 \$2,000
An Evaluation of HunterLab Color Vision System	Tatum,Joseph D Smith,Gary C	Animal Sciences National Livestock & Meat Board	10/02/95- 05/31/96	5054 \$50,000
Development of a Palatability Assurance "Critical Control Points" (PACCP) Model...	Tatum,Joseph D Smith,Gary C	Animal Sciences Nat'l Cattlemen's Beef Association	04/01/96- 02/01/97	5079 \$96,200
Domestic & International Shelf-Life Strategic Alliance	Belk,Keith Smith,Gary C	Animal Sciences Nat'l Cattlemen's Beef Association	01/03/96- 12/31/96	5083 \$48,530
Factors Contributing to the Incidence of the "Dark Cutting" Condition in Beef Carcasses...	Belk,Keith Smith,Gary C	Animal Sciences Nat'l Cattlemen's Beef Association	05/15/96- 05/15/97	5093 \$29,500
EPDs for NALF	Golden,Bruce L	Animal Sciences North American Limousin Foundation	09/15/94- 09/14/96	5214 \$10,000
Beef Quality/Safety Assurance Audits	Smith,Gary C Tatum,Joseph D	Animal Sciences National Cattlemen's Association	03/01/95- 06/30/97	6669 \$40,200
Measuring the Value of Threatened & Endangered Species	Loomis,John B	Agricultural & Resource Economics DOI-Bureau of Reclamation	04/04/96- 04/30/98	1714 \$15,000
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 \$3,220
Services of Kyu-Hee (Dameon) Lee - Interpreting for the National Agricultural Coop. Fed.	Gray,Sanford L	Agricultural & Resource Economics The Economics Institute	05/20/96- 08/15/96	5090 \$2,700
Service of Jerry Eckert - University of Stellenbosch	Gray,Sanford L	Agricultural & Resource Economics University of Stellenbosch	02/01/93- 12/31/97	5681 \$6,700

College: Agricultural Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
GPFARM Economic Modeling	Hoag,Dana L Frasier,Marshall	Agricultural & Resource Economics USDA-ARS-Agricultural Research Service	10/01/95- 09/30/96	8005 \$18,262
Weed Control with Herbaceous Plants	Klett,James E	Horticulture & Landscape Arch University of California	02/25/91- 12/31/96	2200 \$5,938
Fungicide Development for use on Greenhouse & Ornamental Crops	Newman,Steven E Stushnoff,Cecil	Horticulture & Landscape Arch Rutgers - University of New Jersey	05/01/96- 04/30/97	2208 \$17,000
Feasibility of Using Shredded Tires as a Media Amendment for Greenhouse Crops	Newman,Steven E Panter,Karen Lynn	Horticulture & Landscape Arch Colorado Floriculture Foundation	01/01/95- 12/31/97	5412 \$1,120
THRIPS (Frankiniella occidentalis) Control by Integrated Pest Management	Hopper,Douglas A	Horticulture & Landscape Arch Colorado Floriculture Foundation	01/01/95- 12/31/97	5413 \$1,400
Pulse Irrigation Strategies for Colorado Greenhouses	Newman,Steven E Hopper,Douglas A	Horticulture & Landscape Arch Colorado Floriculture Foundation	01/01/95- 12/31/97	5414 \$1,580
Flower Trial Garden	Klett,James E	Horticulture & Landscape Arch Various "Non-Profit" Sponsors	02/01/93- 12/31/96	6636 \$7,690
Flower Trial Garden	Klett,James E	Horticulture & Landscape Arch Various "Non-Profit" Sponsors	02/01/93- 12/31/96	6636 \$2,120
Floriculture Research	Hopper,Douglas A	Horticulture & Landscape Arch Various "Non-Profit" Sponsors	07/01/93- 12/31/97	6843 \$8,680
Plant Germplasm Research - Roos	Wallner,Stephen J	Horticulture & Landscape Arch USDA-ARS-Agricultural Research Service	10/01/95- 09/30/96	8000 \$28,697
Integrated Leafy Spurge Management: Combining Biological Control Tools to Reduce...	Beck,K George	Plant Pathology & Weed Science DOI-BLM-Bureau of Land Management	01/01/94- 09/30/96	1723 \$12,500
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 \$43,200
The Influence of Cattle Grazing on the Population Dynamics of Diffuse Knapweed	Beck,K George Rittenhouse,Larry R	Plant Pathology & Weed Science Boulder County Parks & Open Spaces	04/01/96- 03/31/97	5084 \$15,682
Biology & Management of Sulfonylurea-resistant Kochia	Westra,Philip	Plant Pathology & Weed Science CIBA-GEIGY Chemical Company	03/01/91- 02/28/97	6653 \$20,000
Ash Yellows Survey	Jacobi,William R	Plant Pathology & Weed Science USDA-USFS-Forest Research	05/15/96- 09/30/96	8761 \$2,500
Cooperative Agricultural Pest Survey	Bjostad,Louis B	Entomology USDA-APHIS-Ag & Plant Health Insp. Service	05/30/96- 09/30/96	2077 \$10,800
Physical Mapping of Filarial Competence in Aedes aegypti	Knudson,Dennis L	Entomology HHS-PHS-AID-Microbio & Infectious Dis Re	04/01/96- 03/31/97	4604 \$274,217
An Integrated Pest Management Program for the City of Boulder Open Spaces	Peairs,Frank B Bradbury,Allen	Entomology City of Boulder	07/01/94- 12/31/96	5020 \$10,850
Leafroll - Insect Control	Cranshaw,Whitney S	Entomology Potato Administration of Colorado	07/01/92- 06/30/96	6383 \$1,501

College: Applied Human Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
DARE To Be You Head Start Consortium	MacPhee,David L Fritz,Janet J	Human Development & Family Studies HHS-ACF-Admin. for Children & Families	09/30/95- 09/29/96	4414 \$2,700
Colorado Elderhostel	Yang,Raymond K Rastall,Jan M	Human Development & Family Studies Elderhostel	07/01/96- 06/30/97	5050 \$46,117
Revising of the Colorado Auto Inspector Handbook	Wolff,Birgit H	Manufacturing Tech & Construction Mgmt Colorado Dept Public Health & Environ	04/22/96- 06/30/96	0916 \$7,600
Facility & Site Evaluation Services to Fort Morgan Public School District RE-3	Dunn,G Richard	Manufacturing Tech & Construction Mgmt Fort Morgan Public School District RE-3	10/10/94- 12/31/96	5017 \$2,211
Planning & Site Evaluation Services to Ault-Highland School District RE-9	Dunn,G Richard	Manufacturing Tech & Construction Mgmt Ault-Highland School District RE-9	01/01/95- 12/01/96	5033 \$3,150
Understanding ASM Testing - Virginia	Wolff,Birgit H	Manufacturing Tech & Construction Mgmt Commonwealth of Virginia / Envir Quality	04/01/96- 06/05/96	5077 \$9,504
Understanding Acceleration Simulation Mode Testing - Washington	Wolff,Birgit H	Manufacturing Tech & Construction Mgmt Washington State Department of Ecology	04/01/96- 06/30/96	5078 \$9,815
National Center for Vehicle Emissions Control & Safety Grant	Wolff,Birgit H Sutton,John R	Manufacturing Tech & Construction Mgmt Environmental Protection Agency	09/01/94- 08/31/97	5840 \$47,506
National Center for Vehicle Emissions Control & Safety Grant	Wolff,Birgit H Sutton,John R	Manufacturing Tech & Construction Mgmt Environmental Protection Agency	09/01/94- 08/31/97	5840 \$50,000
Advanced Energy Work Studies Pilot Project	Johnson,Russell L	Manufacturing Tech & Construction Mgmt State of Kansas	05/01/95- 12/31/95	9740 \$742
Process Evaluation: National Committee for Childhood Agricultural Injury Prevention	Buchan,Victoria	Social Work Marshall Medical Research & Education Foundation	04/23/96- 09/29/96	7506 \$3,700
Education Life Skills Immersion Program Project III	Cobb,R Brian	School of Education Colorado Department of Corrections	11/01/95- 10/31/96	0897 \$11,400
Cluster Program Phase I - Study of the Changes in Colorado 's Trade, Industrial & Technical Education...	Jansen,Duane G Lewis,Wiley Buford	School of Education C.D. of Ed./Comm. College & Occup. Ed.	07/01/95- 06/30/96	0903 \$1,500
Educational Leadership - Workshop for School Administrators	Danzig,Arnold	School of Education CCHE-Commission on Higher Education	04/09/96- 06/30/96	0907 \$6,789
Educational Leadership - Workshop for School Administrators	Danzig,Arnold	School of Education CCHE-Commission on Higher Education	04/09/96- 06/30/96	0907 \$2,163
Educational Leadership - Workshop for School Administrators	Danzig,Arnold	School of Education CCHE-Commission on Higher Education	04/09/96- 06/30/96	0907 \$5,688
NEW WAYS - Restructuring Systems & Rediscovering Community	Deniston,Terry L Sample,Pat L	School of Education Colorado Department of Human Service	05/01/96- 04/30/97	0912 \$125,000
Career Development Institute School Career Team Training	Feller,Richard	School of Education C.D. of Ed./Comm. College & Occup. Ed.	06/12/96- 09/30/96	0928 \$23,787
Transition to Adulthood Systems Change Project	Lehmann,Jean P	School of Education Black Hills Spec. Svcs. Coop of S Dakota	06/01/96- 09/30/96	4001 \$30,000
Research on Student Participation in Transition Planning	Lehmann,Jean P Spencer,Karen Clark	School of Education University of Colorado	09/15/94- 09/14/96	4006 \$4,191

College: Applied Human Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Partners in Transition: Preparing Transition Specialists	Sample,Pat L	School of Education DE-Special Educ/Personnel Dev & Prntl Tr	06/01/96- 05/31/97	4203 \$28,233
Partners in Transition: Preparing Transition Specialists	Lehmann,Jean P	School of Education DE-Special Educ/Personnel Dev & Prntl Tr	06/01/96- 05/31/97	4204 \$84,389
GOALS 2000 - Partner School Project CSU - Valley High School, Gilcrest	Whaley,David C	School of Education Colorado Partnership/Educational Renewal	10/06/95- 10/05/96	5056 \$14,000
Critical Issues Work - Recruitment, Preparation, Placement & Retention of Minorities into Teaching	Ginsberg,Richard	School of Education Colorado Partnership/Educational Renewal	06/01/95- 06/30/97	5080 \$7,000
Critical Issues Work - Recruitment, Preparation, Placement & Retention of Minorities into Teaching	Mantle-Bromley,C Blocker,Sharon L	School of Education Colorado Partnership/Educational Renewal	10/01/95- 09/30/96	5081 \$17,900

College: Liberal Arts – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Intergovernmental Personnel Act Award - A Study of Financial Services in the Future	Phillips,Ronnie J	Economics US Department of Treasury	07/01/96- 12/31/96	1010 \$43,851
Development, Testing, Publication of Procedures for Rapid Indirect Loss Assessment	Cochrane,Harold C	Economics State University of New York	09/01/95- 08/31/96	3494 \$50,000
Survey of National Park Service Classified Structures	Berwanger,Eugene H	History DOI-NPS-National Park Service	06/01/96- 06/01/97	1770 \$31,323
Irrigation Enterprise Management Study	Wilkins-Wells,John R Anderson,Raymond L	Sociology DOI-Bureau of Reclamation	02/12/96- 01/31/99	4185 \$55,000
A Study of the Presentation of Science & Scientists in Children's Science Education Program	Long,Marilee	Journalism & Technical Communication NSF-EHR-Education & Human Resources	06/01/96- 11/30/97	3174 \$49,181
Archaeological Excavations at the Hudson-Meng Bison Bonebed, Northwest Nebraska	Todd,Lawrence C	Anthropology USDA-USFS-Forest Research	06/03/96- 08/31/96	8763 \$42,995

College: Business – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Special Academic Liaison Program - International Academic Center in Support of Information Engineering Technology	Butler,Charles W	Computer Information Systems Texas Instruments, Inc.	02/01/94- 08/31/96	6053 \$6,041
ITS Strategic, Tactical & Project Planning Applied Research for Information Technology Services	Butler,Charles W	Computer Information Systems Star Enterprises	04/01/95- 12/31/96	6107 \$13,605
ITS Strategic, Tactical & Project Planning Applied Research for Information Technology Services	Butler,Charles W	Computer Information Systems Star Enterprises	04/01/95- 12/31/96	6107 \$12,286
Teen Institute & Communication Campaign for Adolescent Females	Kelly,Kathleen J	Marketing HHS-SAMHSA-CSAP-Ctr Substance Abuse Prvn	09/30/95- 09/29/96	4415 \$194,868

College: Engineering – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Colorado Bioprocessing Center CSU/CBC	Batt,Brian C	Chemical & Bioresource Engineering CATI-Colo. Advanced Technology Institute	07/01/96- 06/30/97	0933 \$330,000
WetScape: Test, Refinement & Documentation	Garcia,Luis	Chemical & Bioresource Engineering DOI-Bureau of Reclamation	04/04/96- 10/31/96	1715 \$47,161
Upgrading Cropflex to Windows	Broner,Israel	Chemical & Bioresource Engineering USDA-Agricultural Conservation Program	06/03/96- 12/31/96	2075 \$8,000
Biodegradation of Propylene Glycol-based Mil-A-8243D Aircraft Deicer	Reardon,Kenneth F	Chemical & Bioresource Engineering DOD-USAF-Office of Scientific Research	06/05/96- 09/30/96	2311 \$9,970
Distribution of Liquid Phase Hydrocarbon in Layered Soil: Hysteresis in Capillary Press...	Durnford,Deanna S McWhorter,David	Chemical & Bioresource Engineering DOD-USAF-Office of Scientific Research	03/15/94- 03/14/97	2480 \$70,245
Fundamental Design of Branched Fluid Particle Separators Based on Inertial Migration Phenomena	Dandy,David Rakow,Allen L	Chemical & Bioresource Engineering NSF - Engineering Grant	09/15/94- 08/31/97	3015 \$80,000
Fundamental Design of Branched Fluid Particle Separators Based on Inertial Migration Phenomena	Dandy,David Rakow,Allen L	Chemical & Bioresource Engineering NSF - Engineering Grant	09/15/94- 08/31/97	3143 \$10,001
Study of Improved Methods for Predicting Chemical Equilibria	Lenz,Terry G Vaughan,John D	Chemical & Bioresource Engineering DOE-Basic Energy Sci / Univ. & Sci Educ	05/01/96- 04/30/97	3853 \$90,000
Consumptive Use Model of Water in the Colorado River	Garcia,Luis	Chemical & Bioresource Engineering Riverside Technology, Inc.	03/01/95- 07/18/96	6911 \$12,670
Consumptive Use Model of Water in the Colorado River	Garcia,Luis	Chemical & Bioresource Engineering Riverside Technology, Inc.	03/01/95- 07/18/96	6911 \$1,599
Investigation of ROPS Design for Older Tractors	Ayers,Paul D	Chemical & Bioresource Engineering HHS-Occup Safety/Health Research Grants	06/01/96- 05/31/97	7651 \$89,366
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 8)	Reardon,Kenneth F	Chemical & Bioresource Engineering HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7730 \$21,454
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 8)	Reardon,Kenneth F	Chemical & Bioresource Engineering HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7730 \$35,434
Water Management Research	Loftis,Jim C	Chemical & Bioresource Engineering USDA-ARS-Agricultural Research Service	10/01/95- 09/30/96	8003 \$78,744
NADH Measurements in Compost Systems: Sensor Testing	Reardon,Kenneth F	Chemical & Bioresource Engineering Lockheed Idaho Technologies Company	11/27/95- 09/15/96	9315 \$7,030
Large Eddy Simulation of Cirrus Clouds	Cotton,William R	Atmospheric Science NASA-Langley Research Center	05/01/96- 04/30/97	1924 \$2,489
A New Approach to the Remote Sensing Cirrus Cloud Parameters Using Sub-millimeter...	Stephens,Graeme L	Atmospheric Science NASA-Langley Research Center	05/08/96- 05/07/97	1926 \$43,000
Interdisciplinary Science Investigation of Clouds & the Earth's Radiant Energy System	Randall,David A	Atmospheric Science NASA-Langley Research Center	05/03/96- 05/02/97	1952 \$150,000
Global Analysis of the Earth Energy Budget & Water Cycle Using Satellite Observations & Model Analysis	Vonderhaar,Thomas H	Atmospheric Science National Aeronautics & Space Admin.	04/01/96- 03/31/97	1959 \$150,000
Biosphere-Atmosphere Interactions - A Study of the Energy, Water & Carbon Cycles	Randall,David A	Atmospheric Science NASA-Goddard	05/01/95- 04/30/97	1961 \$140,000

College: Engineering – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Dynamical Studies in Hurricane Intensity Change	Montgomery,Michael T	Atmospheric Science DOD-NAVY-ONR-Office of Naval Research	03/01/93- 12/31/96	2447 \$146,000
Development of an Airborne Cloud Radar	Stephens,Graeme L	Atmospheric Science Calif. Inst. of Tech/Jet Propulsion Lab	11/08/95- 09/30/96	2700 \$20,000
Climate Sensitivity of Thaw Lake Systems on the Alaskan North Slope	Pielke,Roger A Liston,Glen E	Atmospheric Science University of Alaska	01/01/96- 12/31/96	2709 \$11,604
Cloud Radar & CloudSat Studies	Stephens,Graeme L	Atmospheric Science Calif. Inst. of Tech/Jet Propulsion Lab	05/28/96- 08/15/96	2711 \$12,000
AIRS & CloudSat Studies	Stephens,Graeme L	Atmospheric Science Calif. Inst. of Tech/Jet Propulsion Lab	05/28/96- 08/15/96	2712 \$11,500
Dynamical & Electrical Studies of Convective Cloud Systems	Rutledge,Steven A	Atmospheric Science National Science Foundation	06/15/94- 05/31/97	3105 \$150,000
Wave-Cyclone Interaction in the Near Field Associated with Non-Axisymmetric Adjustment	Montgomery,Michael T	Atmospheric Science NSF-GEO-Geosciences	04/01/96- 03/31/97	3133 \$82,764
Simulations of Cloud/Radiative Responses to Variations in Cloud Condensation Nuclei	Cotton,William R	Atmospheric Science NSF-GEO-Geosciences	05/01/96- 04/30/97	3136 \$90,636
Chemical Heterogeneity Among Cloud Drop Populations & Its Effect on Sulfur Oxidation Regional-Global Interactions Project	Collett,Jeffrey L Jr	Atmospheric Science NSF-GEO-Geosciences	09/01/95- 08/31/97	3290 \$98,215
Methodologies for Design of Soil Covers for Waste Disposal Sites	Pielke,Roger A Zeng,Xubin	Atmospheric Science UCAR-NCAR-Nat Ctr for Atmospheric Res	07/01/93- 07/31/96	3436 \$43,050
Wind Effects on Long-Span Bridges	Abt,Steven R	Civil Engineering Nuclear Regulatory Commission	04/29/96- 09/30/97	1002 \$148,450
Intergovernmental Personnel Act Agreement for Dan Gessler to WES	Bienkiewicz,Bogusz J	Civil Engineering Engineering Incorporated	06/01/96- 03/31/97	1080 \$95,000
Operational/Management Technical Support Offpost Pump & Treat System	Gessler,Daniel	Civil Engineering DOD-ARMY-Corps of Engineers	06/01/96- 11/30/96	2304 \$37,264
Effects of Woody Vegetation on Channel Roughness	Warner,James W	Civil Engineering DOD-ARMY-Rocky Mountain Arsenal	06/14/96- 03/31/97	2314 \$270,000
CSU/TTU Cooperative Wind Engineering Program: Economics	Abt,Steven R Watson,Chester C	Civil Engineering DOD-ARMY-Corps of Engineers	07/01/95- 09/30/96	2568 \$28,585
Laterally Loaded Manufactured Homes (Phase I)	Meroney,Robert N Cochrane,Harold C	Civil Engineering NSF - Engineering Grant	01/15/95- 12/31/96	3131 \$45,000
Dam Foundation Erosion Study	Criswell,Marvin E	Civil Engineering South Dakota School of Mines	06/01/93- 02/28/97	3440 \$7,814
Dam Foundation Erosion Study	Ruff,James F	Civil Engineering DOI-Bureau of Reclamation	05/19/95- 03/31/98	4143 \$251,200
Systems Analysis Methods for Water & Natural Resources Decision Making	Abt,Steven R Ruff,James F	Civil Engineering DOI-Bureau of Reclamation	05/19/95- 03/31/98	4151 \$40,000
	Flug,Marshall	Civil Engineering DOI-National Biological Survey	10/01/94- 09/30/97	4170 \$18,975

College: Engineering – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Intergovernmental Personnel Act Agreement for John Labadie	Labadie,John W	Civil Engineering DOI-Bureau of Reclamation	09/01/95- 12/31/96	4181 \$42,912
Water Blend Basin Model	Abt,Steven R Brisbane,Thomas E	Civil Engineering Denver Water Department	04/10/96- 07/31/96	5073 \$38,950
Sediment at Westlake Lake	Ruff,James F	Civil Engineering Ventura County, California	06/06/96- 11/22/96	5096 \$45,765
Science & Technology to Save & Better Utilize Central & Eastern Europe's Forests	Gutkowski,Richard M	Civil Engineering NATO-North Atlantic Treaty Organization	12/23/95- 03/31/97	5700 \$27,400
Passive Viscoelastic Damping Systems	Cermak,Jack E	Civil Engineering 3-M Corporation	01/01/94- 12/31/98	6873 \$12,500
GPSR - Task Order for Dr. Ahuja & Dr. Dunn	Salas,Jose D	Civil Engineering USDA-ARS-Agricultural Research Service	10/01/95- 09/30/96	8014 \$23,484
Bedload Transport Processes in Gravel-bed Rivers	Abt,Steven R	Civil Engineering USDA-USFS-Rocky Mtn. Experiment Station	04/26/96- 03/30/97	8760 \$45,853
Large Scale Water Budgets for the United States	Ramirez,Jorge A	Civil Engineering USDA-USFS-Rocky Mtn. Experiment Station	06/08/92- 06/01/97	8799 \$10,000
Integrated Model for Optimization of Water Allocations	Diaz,Gustavo E	Civil Engineering USDA-USFS-Rocky Mtn. Experiment Station	05/16/94- 01/31/97	8803 \$10,200
Senior Technical Advisors in Residence (STAR)	Grigg,Neil S	Civil Engineering John Hopkins University	11/16/93- 11/15/97	9026 \$204,000
NASA - Space Grant College	Sadeh,Willy Z	Civil Engineering University of Colorado	02/01/96- 01/31/97	9533 \$72,000
Coherent Blue Light Source for NO2 Pollution Monitoring	Menoni,Carmen S	Electrical Engineering University of Colorado	07/01/95- 06/30/96	0842 \$20,000
Validation of Polarimetric Radar Signatures Using the 2D-Video Disdrometer	Bringi,Viswanathan N Hubbert,John	Electrical Engineering DOD-USAF-Air Force	05/16/96- 11/15/96	2305 \$9,433
Error Detection & Correction Codes for Optical Memories with 2D Parallel Output	Mitkas,Pericles A	Electrical Engineering DOD-USAF-Air Force	05/10/95- 09/30/96	2555 \$5,386
Optoelectronic Parallel Processing with Logic Gate Arrays Based on Surface Emitting Lasers	Wilmsen,Carl W Mitkas,Pericles A	Electrical Engineering NSF - Engineering Grant	09/15/94- 08/31/97	3009 \$110,000
Efficient Sources of Soft X-Ray Radiation Based on Fast Capillary Discharges	Rocca,Jorge J G	Electrical Engineering NSF - Engineering Grant	09/15/94- 08/31/97	3020 \$96,296
Research Experiences for Undergraduates in Electrical Engineering Focused Around...	Chandrasekar,V	Electrical Engineering National Science Foundation	04/15/94- 09/30/97	3096 \$65,061
Study of Polarimetric Signatures in Winter & Spring Time Storms Using the CSU-CHILL Radar	Chandrasekar,V	Electrical Engineering NSF-GEO-Geosciences	05/15/95- 04/30/97	3170 \$49,181
Multiparameter Radar & Aircraft-Based Studies of the Microphysical, Kinematic & Elec...	Bringi,Viswanathan N	Electrical Engineering NSF-GEO-Geosciences	05/01/95- 04/30/97	3233 \$108,387
Uniform Grain Size Polysilicon for Thin Film Transistors - GOALI / IUCRP	Collins,George J	Electrical Engineering NSF - Engineering Grant	07/01/95- 06/30/97	3381 \$89,000

College: Engineering – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Career: Enhancement Plan - Research on Blue Semiconductor Lasers & Early Motivation... Spectroscopy of New Laser Sources	Menoni,Carmen S	Electrical Engineering NSF - Engineering Grant	07/01/95- 06/30/97	3382 \$75,000
Phased Rf Excitation of Plasmas - Industry Match for NSF Grant	Rocca,Jorge J G	Electrical Engineering Arizona State University	02/08/96- 10/31/96	3493 \$756
Feasibility Study for Rolled Steel Surface Defect Detection	Collins,George J	Electrical Engineering Advanced Energy Industries, Inc.	05/01/95- 08/30/97	6091 \$31,338
SCAMP Production Development Plan	Zoughi,Reza	Electrical Engineering USX U.S. Steel Corp.	06/01/96- 11/30/96	6183 \$94,208
Market Assessment for the Office of Energy Conservation	Troxell,Wade O	Mechanical Engineering CAMI-Advanced Materials Institute/Colo.	03/01/96- 03/01/97	0910 \$100,000
C60 Thruster Research	Troxell,Wade O Gray,Chris	Mechanical Engineering Colorado Office of Energy Conservation	05/15/96- 01/31/97	0924 \$15,000
Westnet Renewal - Regional Connectivity	Wilbur,Paul J	Mechanical Engineering Calif. Inst. of Tech/Jet Propulsion Lab	03/01/95- 02/28/97	2705 \$50,341
High Throughput Vacuum Deposition of Thin Films	Burns,Patrick J	Mechanical Engineering NSF-CISE-Computer & Info Sci & Engin	09/01/94- 08/31/97	3004 \$112,560
Control of Heating & Air-Conditioning Systems	Sampath,Walajabad S	Mechanical Engineering NSF - Engineering Grant	09/01/94- 08/31/97	3006 \$58,093
Engineering Research Equipment for Non-Residual Gas Analyzer for Novel Semiconductor...	Hittle,Douglas C	Mechanical Engineering NSF - Engineering Grant	06/01/95- 05/31/97	3146 \$19,127
Computational Science & Visualization - An Educational Web: K-Ph.D.	Sampath,Walajabad S Barth,Kurt	Mechanical Engineering NSF - Engineering Grant	04/01/96- 04/01/97	3177 \$14,157
Energy Analysis & Diagnostic Center Program	Burns,Patrick J Zachmann,David W	Mechanical Engineering Martin Marietta Energy Systems, Inc.	04/01/96- 01/31/97	3900 \$95,001
Spark-plug Evaluation	Winn,C Byron	Mechanical Engineering University City Science Center	10/01/95- 09/30/96	3921 \$80,905
Humidity effects on Engine Emissions	Puzinauskas,Paulius	Mechanical Engineering Competition Cams Corp	08/23/95- 06/30/96	6127 \$12,675
Development of Intake Air Tracer Technique	Willson,Bryan D	Mechanical Engineering SECOR International, Incorporated	04/23/96- 09/30/96	6162 \$58,143
Sculpt Phase IV - Custom Development	Puzinauskas,Paulius Willson,Bryan D	Mechanical Engineering Peugeot Sport	03/17/96- 09/01/96	6175 \$46,975
IonEdge Cooperative Research & Education Agreement - Plating of Fastners & Industrial Components	Alciatore,David	Mechanical Engineering Wohlers Associates	05/15/96- 09/30/96	6181 \$28,759
Contour Lapping - Process Evaluation	Sampath,Walajabad S	Mechanical Engineering IonEdge Corporation	06/01/96- 05/31/97	6186 \$25,000
Virtual Elements for Dynamic Analysis - Deformation & Failure in Metals	Peterson,Michael	Mechanical Engineering Storage Technology Corporation	06/01/96- 12/31/96	6187 \$86,236
	Smith,Frederick W	Mechanical Engineering Univ. California-Los Alamos National Lab	05/21/96- 05/21/97	9322 \$98,493

College: Engineering – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Small Business Development Center Agreement	01/01/95- Troxell,Wade O	Carlile,Craig 9747 Colo. Small Business Development Center	Mechanical Engineering 12/31/98	Engineering \$36,706
Energy Conservation	Hittle,Douglas C	Mechanical Engineering State of Kansas	03/01/96- 03/31/97	9756 \$76,546
Mid-America Manufacturing Technology Center - Colorado Regional Office	Troxell,Wade O Carlile,Craig	Mechanical Engineering State of Kansas	04/01/96- 03/31/97	9758 \$916,500
Evaluation of NEXRAD Doppler Weather Radar Algorithms & Mesoscale Analysis	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	09/28/93- 06/30/97	1132 \$908,329
CIRA Activities Participation in the GOES I-M Product Plan	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	09/28/93- 06/30/97	1138 \$518,000
Atmospheric Analysis & Dynamical Modeling over the TOGA/COARE Region	Schubert,Wayne H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	03/15/94- 06/30/97	1145 \$26,335
GOES I-I/M Product Assurance & Advanced Product Development for RAMSDIS-X Development	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	06/19/96- 06/30/97	1157 \$47,000
GOES I/M Product Assurance & Advanced Product Development for a Demonstration Project...	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	06/19/96- 06/30/97	1158 \$20,640
GOES I/M Product Assurance & Advanced Product Development of the FIRSTT Training Prog...	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	06/19/96- 06/30/97	1159 \$66,952
Cooperative Institute for Research	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	07/01/96- 06/30/01	1201 \$205,000
GOES-I/M Product Assurance & Advanced Product Development for Support of the Lake Effects...	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	06/19/96- 06/30/01	1203 \$17,000
Air-Sea Interaction Remote Sensing Processes	Vonderhaar,Thomas H Frisch,Alfred S	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	06/19/96- 06/30/01	1204 \$93,977
Atmospheric Analysis & Dynamical Modeling Over the TOGA/COARE Region	Schubert,Wayne H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	06/19/96- 06/30/01	1205 \$73,658
CIRA Activities & Support for Clara Deser	Vonderhaar,Thomas H	CIRA DOC-NOAA-Natl Oceanic & Atmospheric Admn	06/19/96- 06/30/01	1206 \$2,150
Participation by CSU in the Earth Radiation Budget Science Team	Vonderhaar,Thomas H Campbell,G Garrett	CIRA National Aeronautics & Space Admin.	09/01/94- 08/31/96	1919 \$81,101

College: Natural Resources – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Spatial Data Management for the Colorado Rockies Regional Cooperative	Dean,Denis J	Forest Sciences The Nature Conservancy	01/01/96- 06/01/97	1601 \$10,000
Integrated Training Area Management Support for Yakima Training Center, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/10/96- 12/19/96	2303 \$139,498
Integrated Training Area Management & Land Condition Trend Analysis Field Support/Aber..	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	05/31/96- 08/30/96	2306 \$32,591
ITAM, Land Condition Trend Analysis Support for Aberdeen Proving Ground, Maryland	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/07/96- 06/06/97	2308 \$62,638
ITAM Support for Fort Carson & Pinon Canyon Maneuver Site, Colorado	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/07/96- 06/06/97	2309 \$63,328
ITAM, Land Condition Trend Analysis Program Support at Fort Lewis, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/24/96- 09/30/96	2310 \$45,168
ITAM & LRAM Support for Yakima Training Center, Washington	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/19/96- 06/21/97	2315 \$108,235
Military Training & Land Management Support for the U.S. Army Training Support Center...	Shaw,Robert B	Forest Sciences DOD-ARMY-Corps of Engineers	06/20/96- 06/21/97	2316 \$72,314
Intergovernmental Personnel Act Agreement for Melissa Stup	Shaw,Robert B	Forest Sciences DOD-ARMY	08/22/94- 08/22/98	2497 \$117,246
Intergovernmental Personnel Act Agreement for Carl D. McFerren	Shaw,Robert B	Forest Sciences DOD-ARMY	08/22/94- 08/22/98	2498 \$208,384
Intergovernmental Personnel Act Agreement for Thomas Macia	Shaw,Robert B	Forest Sciences DOD-ARMY	12/16/94- 09/15/98	2503 \$177,600
Intergovernmental Personnel Act Agreement for Theodore W. Reid	Shaw,Robert B	Forest Sciences DOD-ARMY	09/15/94- 09/14/98	2504 \$165,760
Intergovernmental Personnel Act Agreement for John T. Gray	Shaw,Robert B	Forest Sciences DOD-ARMY	10/01/94- 09/30/98	2508 \$165,760
Intergovernmental Personnel Act Agreement for Charles E. Wright	Shaw,Robert B	Forest Sciences DOD-ARMY	07/01/95- 06/30/98	2562 \$207,604
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 \$62,035
Integrated Training Area Management for Systems Research & Applications	Shaw,Robert B	Forest Sciences Systems Research & Applications Corp	01/16/96- 09/15/96	2615 \$18,296
Abiotic & Biotic Controls on Upper & Lower Timberline & Intermediate Ecotones	Binkley,Daniel E	Forest Sciences DOI-NPS-National Park Service	05/01/93- 04/01/97	2872 \$12,605
Presidential Faculty Fellows Grant	Burke,Ingrid C	Forest Sciences National Science Foundation	09/01/94- 02/28/98	3041 \$100,000
Prescribed Fire & the Restoration of the Ponderosa Pine-grassland Ecotone	Laven,Richard D	Forest Sciences City of Boulder	06/01/95- 12/31/97	5045 \$22,890
Development of a Simulation Model for Predicting the Response of Central Rocky Mountain...	Binkley,Daniel E	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/01/93- 12/31/96	8731 \$7,390

College: Natural Resources – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Development of Spatially Referenced Data - Sets from Historical Forest Inventory Data	Dean,Denis J	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	06/13/96- 09/13/96	8768 \$8,000
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$17,594
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$12,825
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$3,375
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$9,450
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$529
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$635
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 \$4,050
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$67,500
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$3,780
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$17,753
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$20,589
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$2,416
Environmental Management Administration	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8900 \$32,400
Coldwater Habitat & Community Evaluation on Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8921 \$19,125
Threatened & Endangered Species Management at Fort McCoy, Wisconsin	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8922 \$53,550
LCTA Program Support for Camp Atterbury, Indiana	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8923 \$13,694
Population Trends of Golden-Cheeked Warblers & Black-Capped Vireos, Camp Bullis, Texas	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8929 \$18,146
Land Condition Trend Analysis Field Support for Fort A.P. Hill, Virginia	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8930 \$34,425

College: Natural Resources – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Land Condition Trend Analysis at Fort Benning, Georgia	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8931 \$47,124
Field Validation of Vegetation Cover Estimates from Spectral Demizing at Fort Bliss, Texas	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8932 \$17,595
Establishing Geographic Range for Vetiver Plantings & Experimental Planting at Ft. Campbell, Kentucky	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8933 \$55,080
LCTA Vehicle Support for Quantico Marine Base, Virginia	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8934 \$5,771
Forestry Program Vehicle Support for Fort Drum, New York	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8935 \$8,365
Forestry Program Support at Fort Drum, New York	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8936 \$30,600
Wildlife Management Program Support at Fort Drum, New York	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8937 \$22,950
1997 Cultural Resources Survey & Management at Fort Drum, New York	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8938 \$382,500
LCTA Program Support for 1996 for Camp Atterbury, Indiana,	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8939 \$21,420
Land Condition Trend Analysis at Fort Drum, New York	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8940 \$183,600
Land Condition Trend Analysis & LRAM at Hawaii Army Garrison, Hawaii	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8941 \$100,598
Land Condition Trend Analysis Support for Fort Campbell, Kentucky	Shaw,Robert B	Forest Sciences USDA-USFS-Rocky Mtn. Experiment Station	09/14/95- 06/30/00	8942 \$116,679
Breeding Bird Communities in Cottonwood Forests Along the Yampa River, Colorado	Knight,Richard L	Fishery & Wildlife Biology Colorado State Parks/CO Natural Areas Pg	05/01/96- 04/30/97	0911 \$1,000
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 \$29,000
Evaluation of Restoration Potential of Green River above Confluence With Yampa River	Muth,Robert T Bestgen,Kevin R	Fishery & Wildlife Biology DOI-Bureau of Reclamation	10/01/93- 09/30/96	1769 \$25,000
Levee Removal & Floodplain Connectivity Evaluation in the Green River, Utah	Muth,Robert T	Fishery & Wildlife Biology DOI-Bureau of Reclamation	03/01/96- 09/30/96	1788 \$13,400
Initial Implementation of a Monitoring Programs for Evaluation of Restoration Activities	Muth,Robert T	Fishery & Wildlife Biology DOI-Bureau of Reclamation	03/01/96- 09/30/96	1793 \$36,750
Larval Fish Laboratory Involvement in Implementing Recovery Actions for the Endangered...	Muth,Robert T	Fishery & Wildlife Biology DOI-Bureau of Reclamation	10/01/89- 09/30/96	1845 \$122,600
Effects of Winter & Spring Flows on Colorado Squawfish	Beyers,Daniel W Bestgen,Kevin R	Fishery & Wildlife Biology DOI-Bureau of Reclamation	10/01/94- 09/30/96	1846 \$27,000
Flaming Gorge Studies: Technical Integration & Synthesis	Muth,Robert T	Fishery & Wildlife Biology DOI-Bureau of Reclamation	10/01/94- 09/30/96	1847 \$30,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Assessment of Drifting Larval Fishes in the Yampa & Green Rivers	Muth,Robert T Bestgen,Kevin R	Fishery & Wildlife Biology DOI-Bureau of Reclamation	10/01/89- 09/30/96	1871 \$56,000
Flaming Gorge Studies: Annual Assessment of Mainstem Razorback Sucker Production	Muth,Robert T Snyder,Darrel E	Fishery & Wildlife Biology DOI-Bureau of Reclamation	10/01/92- 09/30/96	2852 \$31,900
Comparative Ecosystem Dynamics in Riparian Zones Along Regulated & Unregulated Rivers	Cooper,David J	Fishery & Wildlife Biology DOI-NPS-National Park Service	05/01/94- 05/01/97	2879 \$20,000
Structural & Functional Roles of Course Wood Debris in Tropical Stream-Riparian-Upslope Forest Systems	Covich,Alan P	Fishery & Wildlife Biology NSF-Biological Centers	08/01/93- 01/31/98	3030 \$50,000
Movements & Habitat Use Patterns of the Blue Mountain Elk Herd	Allredge,A William	Fishery & Wildlife Biology DOI-NPS-National Park Service	08/01/94- 05/01/97	4137 \$9,400
Research on Stream & Riparian Contaminant Risk Assessment Methods for Monitoring Fish...	Flickinger,Stephen A Nimmo,Del Wayne R	Fishery & Wildlife Biology DOI-National Biological Survey	04/01/95- 09/30/97	4169 \$91,998
Boulder Open Space Butterfly Inventory	Pague,Christopher A Ellingson,Aaron R	Fishery & Wildlife Biology City of Boulder	04/01/96- 10/31/96	5075 \$8,000
Larimer County Inventory - Natural Heritage Resources	Pague,Christopher A	Fishery & Wildlife Biology Larimer County	04/01/96- 03/31/97	5076 \$45,000
Effects of Outdoor Recreation on Wildlife	Knight,Richard L	Fishery & Wildlife Biology Boulder County Parks & Open Spaces	03/31/96- 03/31/97	5085 \$8,525
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 6)	Clements,William H	Fishery & Wildlife Biology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7729 \$22,142
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 6)	Clements,William H	Fishery & Wildlife Biology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7729 \$36,571
Range Analysis - Dinosaur National Monument	Trlica,Milton J Jr	Rangeland Ecosystem Science DOI-NPS-National Park Service	06/01/96- 06/01/97	1726 \$12,000
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- 06/01/97	2111 \$10,000
Evaluate & Establish Selected Native Plant Materials on Mancos Shale Soils	Redente,Edward F McLendon,Terry	Rangeland Ecosystem Science DOI-NPS-National Park Service	09/01/93- 05/01/97	2884 \$26,000
Vegetation & Soils of the Comanche National Grasslands	Rittenhouse,Larry R Kelly,Eugene F	Rangeland Ecosystem Science USDA-USFS-Forest Research	06/28/95- 05/31/97	8830 \$30,000
Public Attitudes Towards Agriculture in Colorado	Wallace,George N Haas,Glenn E	Nat Resource Recreation & Tourism Colorado Department of Agriculture	03/01/96- 06/30/96	0898 \$19,560
Evaluating the Effectiveness of One Watchable Wildlife in Parks Project Kiosk: A Pilot Test	Wells,Marcella A	Nat Resource Recreation & Tourism Colorado Division of Wildlife	05/01/96- 12/03/97	0929 \$15,186
Kingfisher	Haas,Glenn E	Nat Resource Recreation & Tourism Colorado Division of Wildlife	05/30/96- 12/31/97	0935 \$33,400
Watershed Research - Baseline Data on Parks to Evaluate Environmental Changes	Haas,Glenn E Herrmann,Raymond	Nat Resource Recreation & Tourism DOI-National Biological Survey	07/01/96- 08/01/99	1752 \$59,500
Public Attitudes Toward Parks	Vaske,Jerry J Haas,Glenn E	Nat Resource Recreation & Tourism National Parks & Conservation Assoc	04/01/96- 04/01/97	5074 \$24,145

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Snow Deposition Studies in Two National Parks of the Rocky Mountain Cordillera	Elder, Kevin J	Earth Resources DOI-NPS-National Park Service	05/01/96- 05/01/97	1718 \$33,000
Morrison Research Initiative - The Study of Ancient River Deposits, Soils, & Plants	Ethridge, Frank G	Earth Resources DOI-NPS-National Park Service	01/01/95- 04/01/97	1722 \$40,700
Establishment of Baseline Water Quality Conditions in the National Park Service	Stednick, John D	Earth Resources DOI-NPS-National Park Service	10/01/93- 09/30/98	1730 \$60,000
Environmental Science & Technology Center (ESTC) - Development & Analysis	Smith, Freeman M	Earth Resources DOI-National Biological Survey	01/27/95- 09/30/96	1797 \$19,000
Hydrologic Effects of the Grand Ditch on Rocky Mountain National Park	MacDonald, Lee H Cooper, David J	Earth Resources DOI-NPS-National Park Service	06/01/96- 06/01/97	1818 \$54,800
Applied Isotope Research for Industry & the Environment	Hannah, Judith L	Earth Resources DOI-USGS-Geological Survey	06/20/96- 06/19/97	1823 \$100,000
Re-Os Isotope Investigations of Meteorites	Hannah, Judith L Morgan, John	Earth Resources University of Maryland	03/15/96- 07/31/96	2710 \$25,000
Effects of Baselevel Rise on Facies Architecture in Modern Braided River Deposits:	Ethridge, Frank G Schumm, Stanley A	Earth Resources American Chemical Society	07/01/96- 08/31/98	5094 \$49,990
Laramide Structural Development of the Southern Rocky Mountains	Erslev, Eric A	Earth Resources American Chemical Society	07/01/96- 08/31/98	5098 \$49,910
Development & Validation of a Multi-Metric Index to Index to Assess the Effects of Heavy Metals on Benthic...	Clements, William H	Cooperative Fish & Wildlife Research DOI-National Biological Survey	05/20/96- 05/31/97	1735 \$25,300
Anthropogenic Influences on Common Ravens in the Mojave Desert	Knight, Richard L	Cooperative Fish & Wildlife Research DOI-National Biological Survey	06/18/96- 06/30/01	1809 \$38,530
Ecological Modeling in Support of County Decision Making (GIS)	Hobbs, N Thompson	Natural Resource Ecology Lab Colorado Division of Wildlife	10/20/95- 08/01/96	0867 \$14,200
Developing a Multi-agency, Multi-scale Vegetation Sampling Program for the Central Grassland...	Stohlgren, Thomas J Coughenour, Michael B	Natural Resource Ecology Lab DOI-National Biological Survey	06/01/96- 06/01/97	1740 \$180,908
Declining Native Plant Diversity Caused by Invasive Weeds & Interactions with Grazing:...	Stohlgren, Thomas J Singer, Francis J	Natural Resource Ecology Lab DOI-National Biological Survey	06/01/96- 06/01/97	1744 \$75,000
Developing an Inventory & Monitoring Plan for Rocky Mountain National Park	Stohlgren, Thomas J Coughenour, Michael B	Natural Resource Ecology Lab DOI-National Biological Survey	06/01/96- 06/01/97	1746 \$50,000
Long-term Ecological Measurements in Loch Vale Watershed, Rocky Mountain National Park	Baron, Jill S Swift, David M	Natural Resource Ecology Lab DOI-NPS-National Park Service	05/01/96- 06/30/97	1754 \$75,000
Support for Global Change Research Program	Stohlgren, Thomas J Swift, David M	Natural Resource Ecology Lab DOI-NPS-National Park Service	04/01/94- 04/01/97	1819 \$24,250
Responses of Rangeland Grasses to CO2 & Herbivory	Hunt, H William	Natural Resource Ecology Lab USDA-ARS-Agricultural Research Service	05/15/94- 05/15/97	2050 \$18,500
Evaluation Study	Freckman, Diana	Natural Resource Ecology Lab USDA-CSRS-SRG-Special Research Grants	05/01/96- 12/31/96	2072 \$57,827
United States Agroecozones using GIS Colorado	Elliott, Edward T	Natural Resource Ecology Lab USDA-ARS-Agricultural Research Service	05/21/96- 09/30/97	2074 \$10,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
The National Atmospheric Deposition Program (NRSP-3)	Flagler,Richard B	Natural Resource Ecology Lab USDA-CSRS-Coop. States Research Service	10/01/92- 09/30/97	2113 \$172,950
The National Atmospheric Deposition Program (NRSP-3)	Flagler,Richard B	Natural Resource Ecology Lab USDA-CSRS-Coop. States Research Service	10/01/92- 09/30/97	2113 \$890,353
Environmental & Management Controls on Soil Structure & Organic Matter Dynamics	Paustian,Keith H Elliott,Edward T	Natural Resource Ecology Lab National Science Foundation	06/15/95- 05/31/97	3081 \$150,000
McMurdo Dry Valleys: A Cold Desert Ecosystem	Freckman,Diana W	Natural Resource Ecology Lab University of Nevada	03/15/94- 02/28/98	3429 \$72,194
Field Micrometeorological Measurement, Process-Level Studies & Modeling of Methane & Carbon Dioxide Fluxes...	Valentine,David W	Natural Resource Ecology Lab University of Nebraska	05/01/93- 10/31/97	3431 \$50,000
Population Estimation, Plant Interactions, Forage Biomass, Offtake, & Carrying Capacity Estimation of Elk in Estes...	Singer,Francis J Coughenour,Michael B	Natural Resource Ecology Lab DOI-NPS-National Park Service	05/01/94- 05/31/97	4100 \$75,500
Projecting the Effect of Global Change on Vegetation in Park Landscapes in the Central Grasslands Biographical...	Ojima,Dennis Detling,James K	Natural Resource Ecology Lab DOI-NPS-National Park Service	05/01/94- 04/01/97	4108 \$37,023
Landscape Gap Analysis	Stohlgren,Thomas J Coughenour,Michael B	Natural Resource Ecology Lab DOI-NPS-National Park Service	05/01/94- 04/01/97	4113 \$113,893
National Park Resources Bibliographies	Stohlgren,Thomas J Coughenour,Michael B	Natural Resource Ecology Lab DOI-NPS-National Park Service	05/01/94- 06/01/97	4123 \$30,000
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	03/26/95- 12/31/96	4147 \$118,199
Effects of Increased Nitrogen Deposition on Subalpine Forest Growth	Baron,Jill S Binkley,Daniel E	Natural Resource Ecology Lab DOI-National Biological Survey	04/01/95- 09/30/98	4168 \$8,454
Operating Costs for Organizing the Ecological Society of America 1995-1996 Annual Meeting of ESA	Baron,Jill S	Natural Resource Ecology Lab Ecological Society of America	09/01/94- 09/30/96	5013 \$17,900
Mercury Deposition Network: A Subnetwork of the National Atmospheric Deposition Program	Flagler,Richard B	Natural Resource Ecology Lab Various "Non-Profit" Sponsors	01/01/96- 06/30/97	5345 \$153,948
Population & Environment in the U.S. Great Plains	Parton,William J Galvin,Kathleen	Natural Resource Ecology Lab University of Texas at Austin	08/01/95- 07/31/96	7503 \$5,020
Research in Agriculture	Elliott,Edward T	Natural Resource Ecology Lab USDA-ARS-Agricultural Research Service	10/01/95- 09/30/96	8001 \$37,674
Assessment of Biodiversity on U.S. Rangelands	Milchunas,Daniel G	Natural Resource Ecology Lab USDA-USFS-Rocky Mtn. Experiment Station	06/26/96- 03/31/98	8777 \$13,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Students as Leaders in Science (SLS) Assistantships	Wilburn,Rezzella H	Dean of Natural Sciences Various "For Profit" Sponsors	08/01/96- 05/31/97	6179 \$3,000
Biochemical Analysis of PH05 Gene Regulation	Laybourn,Paul J	Biochemistry & Molecular Biology NSF-Biological Centers	08/01/95- 07/31/97	3252 \$95,000
Hemorrhagic & Necrotic Toxins in Snake Venoms	Tu,Anthony T	Biochemistry & Molecular Biology HHS-PHS-Pharmacology & Biorelated Chem	06/01/96- 05/31/97	4771 \$189,477
Reaction Center Dynamics	Schenck,Craig C	Biochemistry & Molecular Biology HHS-PHS-Cellular & Molecular / Research	04/01/96- 03/31/97	4831 \$179,840
Mechanism of Transcriptional Activation by VP16 & c-Fos	Lumb,Kevin J	Biochemistry & Molecular Biology Cancer League of Colorado, Inc.	07/01/96- 06/30/97	5092 \$20,000
Mimicking the Growth Promoting Effects of Laminin as a Tool to Achieve Axon Regeneration of the Central Nervous...	Bamburg,James R Kuhn,Thomas	Biochemistry & Molecular Biology Spinal Cord Research Foundation	07/01/96- 06/30/98	5419 \$88,000
Chromatin Structure & the Regulation of Gene Activity	Laybourn,Paul J	Biochemistry & Molecular Biology Council for Tobacco Research - USA, Inc.	07/01/96- 06/30/97	5568 \$65,100
Characterization of ME1 during Neuronal Differentiation	Bamburg,James R	Biochemistry & Molecular Biology HHS-PHS-Biol Basis Research in Neurosci	05/01/96- 04/30/97	7647 \$34,400
Active Sites & Mechanisms of RNA Polymerase	Woody,A-Young M Woody,Robert W	Biochemistry & Molecular Biology HHS-PHS-Cellular & Molecular / Research	07/01/96- 06/30/97	7654 \$168,478
Regulation & Function of Actin Depolymerizing Factor	Bamburg,James R	Biochemistry & Molecular Biology HHS-NIH-Nat Inst of General Medical Sci	04/01/96- 03/31/97	7732 \$201,907
Electrochemical & Optical Investigations of Nanostructure Ensembles	Martin,Charles R	Chemistry DOD-NAVY-ONR-Office of Naval Research	10/01/92- 09/30/96	2391 \$100,736
Organic Pollutants in Soils, as Studied by Nuclear Magnetic Resonance	Maciel,Gary E Lindsay,Willard L	Chemistry DOD-USAF-Air Force	03/01/95- 02/28/97	2545 \$160,161
Surface Reactivity of SiC1x Radicals during Plasma Deposition of Amorphous Hydrogenated Silicon Films	Fisher,Ellen R	Chemistry DOD-NAVY-ONR-Office of Naval Research	05/01/95- 11/30/96	2548 \$45,000
Investigation of Plasma Deposition Mechanisms for Silicon Dioxide & Silicon Nitride Films	Fisher,Ellen R	Chemistry NSF-MPS-Mathematical & Physical Sciences	05/01/95- 04/30/97	3086 \$15,000
Directed Synthesis Using Zintl Ion Building Blocks	Dorhout,Peter K	Chemistry NSF-MPS-Mathematical & Physical Sciences	05/01/96- 04/30/97	3119 \$110,500
Investigations of Electronically Conductive Polymer Nanostructures	Martin,Charles R Hochheimer,Hans D	Chemistry NSF-MPS-Mathematical & Physical Sciences	06/01/96- 05/31/97	3125 \$84,436
Polyoxoanion-Supported Transition Metals Synthesis, Characterization & Applications...	Finke,Richard G	Chemistry NSF-MPS-Mathematical & Physical Sciences	05/01/96- 04/30/97	3126 \$101,000
Fluorinated Closo-Heteroborane Anions & Nonclassical Metal Carbonyls	Strauss,Steven H	Chemistry NSF-MPS-Mathematical & Physical Sciences	07/15/96- 06/30/97	3149 \$120,000
Electrophilic Attack on Coordinated Ligands Involved in Catalysis by Organometallic Complex...	Norton,Jack R	Chemistry NSF-MPS-Mathematical & Physical Sciences	07/01/96- 06/30/97	3186 \$200,000
Young Investigator Award	Grainger,David	Chemistry National Science Foundation	07/15/94- 01/31/98	3222 \$77,500

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
NSF Young Investigator Award - (REU Supplement)	Grainger,David	Chemistry National Science Foundation	08/01/94- 01/31/98	3223 \$5,610
Dynamics of Polar Solvation & Chemical Reactions at the Interface Between Immiscible Liquids	Levinger,Nancy E	Chemistry NSF-MPS-Mathematical & Physical Sciences	08/01/94- 07/31/97	3387 \$62,500
Separation & Recovery of Ions from Aqueous Media with Reusable Redox-Active Metal-...	Strauss,Steven H	Chemistry Arizona State University	05/17/96- 10/10/96	3495 \$756
Synthesis & Mechanism of Cross-Linking of FR9000482	Williams,Robert M	Chemistry HHS-PHS-NCI-Cancer Treatment Center	06/01/96- 03/31/97	4420 \$202,328
Alfred P. Sloan Research Fellowship	Greenberg,Marc M	Chemistry Alfred P. Sloan Foundation	09/16/96- 09/15/98	5418 \$35,000
HP Graduate Student Research Fellowship	Grainger,David Fisher,Ellen R	Chemistry Hewlett Packard	05/15/96- 05/15/97	6176 \$54,000
Investigation of Electro-Organic Synthetic Reactions that are of Interest to the Pharmaceutical Industry	Martin,Charles R	Chemistry Schering-Plough Corporation	06/01/96- 05/31/97	6184 \$84,364
B12 Dependent Ribonucleotide Reductase Metallochemistry	Finke,Richard G	Chemistry HHS-PHS-Diabetes, Endocrin. & Metab. Res	07/01/96- 06/30/97	7655 \$156,055
Membrane Dynamics & Function of MHC Class II Mutants	Barisas,B George	Chemistry HHS-AID-Alrgy, Immun & Trnsplntatn Resrh	05/01/96- 04/30/97	7657 \$177,343
Metallobiochemistry of Vanadium (V)	Crans,Debbie C	Chemistry HHS-PHS-Cellular & Molecular / Research	04/01/96- 03/31/97	7677 \$144,171
Quinocarcin Mechanism of Action: Drugs for Breast Cancer	Williams,Robert M	Chemistry HHS-PHS-NCI-Cancer Treatment Center	03/01/96- 02/28/97	7678 \$166,162
Biologically Active Compounds Via Chiral Aromatics	Meyers,Albert I	Chemistry HHS-PHS-Pharmacology & Biorelated Chem	05/01/96- 04/30/97	7690 \$185,563
Optical Properties of Silicon, Germanium & Layered Nanoclusters	Kelley,David F	Chemistry Sandia Corporation/Sandia National Lab.	06/27/96- 09/30/96	9324 \$11,860
Analysis of Product Samples	Dorhout,Peter K	Chemistry State of Kansas	10/01/95- 02/29/96	9753 \$3,772
FY 97 Program Plan - CASI Program	Vonmayrhauser,A	Computer Science CATI-Colo. Advanced Technology Institute	07/01/96- 06/30/97	0930 \$330,000
Achieving Ultra-Reliability in Critical Systems	Malaiya,Yashwant K	Computer Science DOD-NAVY-ONR-Office of Naval Research	06/01/96- 12/31/96	2312 \$53,058
An Integrated Software Reliability Engineering Tool	Malaiya,Yashwant K	Computer Science DOD-NAVY-ONR-Office of Naval Research	07/01/96- 06/30/99	2313 \$108,424
Evaluation Methods for Complex, Intelligent, Information Driven Systems	Howe,Adele	Computer Science Sterling Research	09/29/95- 09/30/96	2617 \$25,000
Genetic Optimization of Cellular Encodings for Neural Networks	Whitley,L Darrell	Computer Science National Science Foundation	04/01/94- 09/30/97	3088 \$55,870
Control of Heating & Air-Conditioning Systems	Anderson,Charles	Computer Science NSF - Engineering Grant	06/01/95- 05/31/97	3141 \$48,694

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
CAREER: Evaluation as the Basis for AI Agent Design	Howe,Adele	Computer Science NSF-CISE-Computer & Info Sci & Engin	08/15/96- 07/31/97	3166 \$50,611
Intergovernmental Personnel Act Agreement for Dr. Oldehoeft	Oldehoeft,Rodney R	Computer Science US Department of Energy	07/01/96- 06/30/97	3861 \$126,984
Optimization Problems in Multisensor/ Multitarget Tracking	Poore,Aubrey B	Mathematics DOD-USAF-Office of Scientific Research	04/01/95- 03/31/97	2543 \$61,146
Combinatorial Representation Theory: Constructive & Integral	Liebler,Robert A	Mathematics NSF-MPS-Mathematical & Physical Sciences	07/01/96- 06/30/99	3190 \$60,000
Computational Science & Visualization - An Educational Web: K-Ph.D.	Zachmann,David W Burns,Patrick J	Mathematics Martin Marietta Energy Systems, Inc.	04/01/96- 01/31/97	3999 \$95,002
Microwave Solitons in Magnetic Thin Films	Patton,Carl E	Physics National Science Foundation	06/15/94- 05/31/97	3097 \$90,000
National Science Foundation Young Investigator Award	Gelfand,Martin P	Physics NSF-MPS-Mathematical & Physical Sciences	06/15/94- 06/30/97	3168 \$25,000
Microwave/Optical Spectroscopy of Helium & H2 Rydberg States	Lundeen,Stephen R	Physics NSF-Biological Centers	08/01/95- 07/31/97	3228 \$145,000
Research in Collider Physics	Toki,Walter Wilson,Robert J	Physics US Department of Energy	04/15/96- 04/14/97	3852 \$230,000
Research in Collider Physics	Wilson,Robert J Toki,Walter	Physics US Department of Energy	04/15/96- 04/14/97	3859 \$305,000
Research & Engineering Apprenticeship Program	Patton,Carl E	Physics APC-Academy of Applied Science	05/01/91- 05/31/97	6610 \$5,000
Drift Chamber Feethroughs, Wire Aging Chamber & DIRC PMT Bases for the BaBar Experiment	Wilson,Robert J	Physics Univ. of California at Santa Barbara	01/01/96- 09/30/96	9321 \$49,000
Tri-Ethnic Center for Prevention Research	Oetting,Eugene R	Psychology HHS-PHS-Drug Abuse Research Programs	05/05/96- 04/30/97	4602 \$1,004,367
Alcohol Use & Related Problems: Mexican American Youth	Swaim,Randall C Chavez,Ernest L	Psychology HHS-PHS-Alcohol Research Programs	07/01/96- 06/30/97	4626 \$421,588
Simulation Evaluations Relevant to Bowhead Whale Aboriginal Management Schemes	Givens,Geof H	Statistics DOC-NOAA-Natl Oceanic & Atmospheric Admn	06/25/96- 05/01/97	1280 \$14,902
Statistical Analysis of Aerial Photography Data Base from the GCES-II Test Flow Program	Hoeting,Jennifer A	Statistics DOI-NPS-National Park Service	03/01/96- 09/30/96	1755 \$10,650
Time Series Models & Extreme Value Theory	Davis,Richard A Rosenblatt,Murray	Statistics NSF-MPS-Mathematical & Physical Sciences	07/15/95- 06/30/97	3232 \$70,000
Statistical Research	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 12/31/96	6131 \$320
Statistical Research	Zumbrunnen,James R	Statistics Various "For Profit" Sponsors	09/01/95- 12/31/96	6131 \$635
Impacts of Trails on Bird Assemblages in Lowland Riparian Areas	Wiens,John A Miller,James Robert	Biology Colorado State Parks/CO Natural Areas Pg	05/01/96- 12/01/96	0905 \$1,000

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Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Investigation of Baseline Conditions & Potential Effects of Acid Mine Drainage on Water...	Wunder,Bruce A Nimmo,Del Wayne R	Biology DOI-National Biological Survey	05/01/96- 09/30/97	1807 \$19,660
Evolution of Learning-Related Neuromodulation	Wright,William G	Biology National Science Foundation	09/01/95- 08/31/97	3150 \$5,000
Carbohydrate & Lipid Metabolism in Mammals	Florant,Gregory L	Biology NSF-Biological Centers	09/01/96- 08/31/97	3183 \$50,000
Predicting the Effect of Global Change on Vegetation in Park Landscapes in the Central Grasslands Biographical...	Detling,James K Ojima,Dennis	Biology DOI-NPS-National Park Service	05/01/94- 04/01/97	4110 \$32,677
Ungulate-Prairie Dog-Plant Interactions in Badlands National Park	Detling,James K	Biology DOI-National Biological Survey	03/26/95- 09/30/99	4166 \$13,500
Enhanced Parasitization of Aphids Using An Opportunistic Parasitoid Wasp	Antolin,Michael F Vaughn,Ty T	Biology Organic Farming Research Foundation	04/01/96- 09/01/96	5417 \$1,410
The Influence of Flow Diversions on Macroinvertebrates: The Development of New Instream...	Ward,James V	Biology USDA-USFS-Rocky Mtn. Experiment Station	08/27/93- 05/31/97	8727 \$3,500
Fractionation & Biochemical Characterization of Cockroach Toxin	Wilson,Thomas G	Biology Lockheed Corporation	05/01/96- 04/30/98	9323 \$77,378

College: Veterinary Medicine & Biomedical Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Membrane Properties & Neural Circuits of the Suprachiasmatic Nucleus	Dudek,F Edward	Anatomy & Neurobiology DOD-USAF-Office of Scientific Research	07/01/96- 06/30/98	2307 \$300,000
Rocky Mountain Taste & Smell Center	Kinnamon,Sue C	Anatomy & Neurobiology University of Colorado Health Sci Ctr	04/01/96- 03/31/97	4345 \$143,057
Regulation of Membrane Excitability	Beam,Kurt G	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	05/01/96- 04/30/97	4407 \$31,986
Local Interactions Between Hippocampal Neurons	Dudek,F Edward	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	06/01/96- 05/31/97	4412 \$178,306
Genetic Engineering of Cells / Upregulation of trkB & trkC Receptors	Nornes,Howard O Neuman,Toomas	Anatomy & Neurobiology Spinal Cord Society	01/01/96- 07/31/96	5101 \$5,304
Regulation of Membrane Excitability	Beam,Kurt G	Anatomy & Neurobiology HHS-PHS-Biol Basis Research in Neurosci	05/01/96- 04/03/97	7691 \$346,583
Improving Diagnosis & Control of Ruminant Viral Diseases	Demartini,James C	Pathology USDA-OICD-International Coop. Develop.	03/01/96- 03/31/97	2031 \$4,500
Effect of DTA Genes on Stem Cell Differentiation	Akkina,Ramesh K	Pathology University of Colorado Health Sci Ctr	12/19/95- 11/30/96	4346 \$4,500
Immune Response to Leishmania Major	Titus,Richard	Pathology HHS-PHS-AID-Microbio & Infectious Dis	07/01/96- 06/30/97	4401 \$256,497
FIV Model of Perinatal HIV Infection & Intervention	Hoover,Edward A	Pathology HHS-PHS-Research for Mothers & Children	05/01/96- 04/30/97	4450 \$206,732
Immunoregulation in Murine Malaria	Wassom,Donald L	Pathology HHS-PHS-AID-Microbio & Infectious Dis Re	04/01/96- 03/31/97	4633 \$201,270
Genetics of Susceptibility to Occupational Lung Disease	Donnelly,Kevin B Wassom,Donald L	Pathology HHS-PHS-Lung Disease Research	05/01/96- 04/30/97	4919 \$28,600
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 2)	Benjamin,Stephen A	Pathology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7726 \$24,134
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 2)	Benjamin,Stephen A	Pathology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7726 \$39,859
Hormonal Regulation of Oxytocin Secretion During Luteolysis in the Mare	Vanderwall,Dirk K Squires,Edward L	Physiology AQHA-American Quarter Horse Assoc.	10/01/96- 09/30/97	5082 \$24,819
Cryopreservation of Dilute Bovine Semen	Seidel,George E Jr	Physiology National Association of Animal Breeders	07/01/95- 06/30/97	5323 \$14,964
Bioequivalence Study - Regumate Use in Horses	Squires,Edward L	Physiology Hoechst-Roussel Pharmaceutical Company	05/15/96- 10/30/96	6182 \$104,446
Cryopreservation of Mouse Sperm	Graham,James K	Physiology HHS-PHS-Population Research	06/01/96- 05/31/97	7653 \$97,022
Organization of LH Receptors on Hormone Responsive Cells	Roess,Deborah A	Physiology HHS-PHS-Population Research	06/01/96- 05/31/97	7694 \$65,178
Students in Health Professional Schools	Niswender,Gordon D	Physiology HHS-PHS-Population Research	05/01/96- 04/30/97	7916 \$37,286

College: Veterinary Medicine & Biomedical Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Training in Mammalian Reproductive Biology	Niswender,Gordon D	Physiology HHS-PHS-Population Research	07/01/96- 06/30/97	7919 \$130,962
Human Cataracts & Space Radiation Risk Estimates	Lett,John T	Radiological Health Sciences DOD-USAF-Air Force	05/03/96- 05/02/97	2302 \$49,997
Plutonium Distribution among Soil Phases Around the Subsurface Disposal Area at the Idaho...	Ibrahim,Shawki A	Radiological Health Sciences Environmental Science & Research Found.	02/01/95- 10/31/96	3966 \$6,000
Quantitative Evaluation of a Perfluoro-carbon Gas Emulsion as an Abdominal Ultrasound...	Wrigley,Robert H Bahr,Anne Marie	Radiological Health Sciences American College of Veterinary Radiology	07/01/96- 01/01/97	5091 \$5,000
Evaluation of Imagent R US as a Contrast Agent Using a Large Canine Model	Wrigley,Robert H Bahr,Anne Marie	Radiological Health Sciences Alliance Pharmaceutical Corp.	04/01/96- 04/01/97	6178 \$39,398
Dose & Time Factors in Cellular Radiosensitivity	Bedford,Joel S	Radiological Health Sciences HHS-NIH-NCI-National Cancer Institute	06/01/96- 05/31/97	7652 \$259,821
Cell Genetic Damage at Low Dose & Low Dose Rate	Waldren,Charles A	Radiological Health Sciences HHS-NIH-NCI-National Cancer Institute	04/01/96- 01/31/97	7733 \$261,093
Mitomycin C Sensitivity in CHO Cell Mutants & Hybrids	Waldren,Charles A	Radiological Health Sciences HHS-PHS-Cancer Research Manpower	05/01/96- 04/30/97	7917 \$17,441
Occupational Health & Safety Consultation Program	Buchan,Roy M	Environmental Health DOL-OSHA-Occupa. Safety & Health Admin.	10/01/95- 09/30/96	1099 \$15,600
Factors Associated with Relinquishment of Dogs & Cats	Salman,Mowafak D	Environmental Health Natl Council Pet Population Study/Policy	01/01/95- 12/31/96	5032 \$18,850
Summit County GIS Project Environmental Health	Nuckols,John R	Environmental Health Summit County, Colorado	05/01/96- 05/31/97	5087 \$27,483
Training Programs in Veterinary Epidemiology	Salman,Mowafak D	Environmental Health Teachers of Veterinary Public Health	01/01/94- 12/31/96	5537 \$3,000
Cadmium & Arsenic QA/QC - ENSR/ Globeville	Tessari,John Domenic	Environmental Health ENSR Consulting & Engineering	04/01/96- 12/31/96	6177 \$17,538
Link & Compare Death Certificate Data & Cancer Registry Data	Stallones,Lorann	Environmental Health HHS-NIH-NCI-National Cancer Institute	01/01/96- 12/31/96	7718 \$12,065
Administrative Core (Core A) - Integrated Research on Hazardous Waste Chemical Mixtures	Yang,Raymond S H	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7722 \$20,748
Administrative Core (Core A) - Integrated Research on Hazardous Waste Chemical Mixtures	Yang,Raymond S H	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7722 \$34,264
Integrated Research on Hazardous Waste Chemical Mixtures (Core B) Analytical	Tessari,John Domenic	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7723 \$10,563
Integrated Research on Hazardous Waste Chemical Mixtures (Core B) Analytical	Tessari,John Domenic	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7723 \$19,795
Integrated Research on Hazardous Waste Chemical Mixtures (Core C)	Nuckols,John R	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7724 \$14,545
Integrated Research on Hazardous Waste Chemical Mixtures (Core C)	Nuckols,John R	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7724 \$24,022

College: Veterinary Medicine & Biomedical Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 1)	Yang,Raymond S H	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7725 \$20,670
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 1)	Yang,Raymond S H	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7725 \$34,137
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 3)	Billings,Ruth E	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7727 \$18,408
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 3)	Billings,Ruth E	Environmental Health HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7727 \$30,405
Evaluation of Priority Health Conditions at the Rocky Mountain Arsenal	Reif,John S Nuckols,John R	Environmental Health HHS-Health Activities Recommend. Panel	05/01/96- 04/30/97	7734 \$74,500
Molecular Biomarkers of Grain Dust Exposures	Cosma,Greg N	Environmental Health HHS-Occup Safety/Health Research Grants	09/30/95- 09/29/96	7735 \$80,000
Graduate Training Programs - Occupational Health	Buchan,Roy M	Environmental Health HHS-Occup Health/Safety Training Grants	07/01/96- 06/30/97	7918 \$66,467
PCR Diagnosis of Whirling Disease in Colorado Trout	Ellis,Robert P	Microbiology Colorado Division of Wildlife	06/29/95- 12/31/96	0799 \$10,000
Hantavirus Longitudinal Studies in Colorado	Beaty,Barry J	Microbiology Colorado Dept Public Health & Environ	05/01/96- 04/30/97	0909 \$98,297
Arthropod Transmission of Vesicular Stomatitis Virus	Beaty,Barry J	Microbiology USDA-CSRS-SRG-Special Research Grants	05/15/96- 05/30/97	1408 \$54,700
Research Experiences for Undergraduates - Research in Molecular Genetics	Black,William C IV	Microbiology NSF-Biological Centers	06/01/95- 02/28/97	3092 \$10,000
Research Experiences for Undergraduates - Research in Molecular Genetics	Black,William C IV	Microbiology NSF-Biological Centers	06/01/95- 04/30/97	3098 \$5,000
Structure of LAM in Relation to Biology & Biosynthesis	Chatterjee,Delphi	Microbiology HHS-PHS-AID-Microbio & Infectious Dis Re	06/01/96- 05/31/97	4421 \$158,849
Analysis of Biomass from Pseudomonas Species	Chatterjee,Delphi	Microbiology DynaGen, Inc.	11/01/95- 10/31/96	6134 \$15,345
Laboratory Attenuated Equine Influenza Study	Collins,James K	Microbiology Heska Corp. (Paravax)	01/01/96- 12/01/96	6159 \$12,459
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 5)	Beaty,Barry J	Microbiology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7728 \$25,321
Integrated Research on Hazardous Waste Chemical Mixtures - (Project 5)	Beaty,Barry J	Microbiology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7728 \$41,818
Integrated Research on Hazardous Waste Chemical Mixtures (Core B) Molecular	Black,William C IV	Microbiology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7731 \$13,415
Integrated Research on Hazardous Waste Chemical Mixtures (Core B) Molecular	Black,William C IV	Microbiology HHS-PHS-Superfund Hazardous Substances	04/01/96- 03/31/97	7731 \$19,795
Evaluating Options for Monitoring Health of Horses in Colorado & in the United States	Traub-Dargatz,Josie	Clinical Sciences USDA-APHIS-Ag & Plant Health Insp Service	09/01/95- 09/30/96	2020 \$6,525

College: Veterinary Medicine & Biomedical Sciences – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
The Developing Lung Circulation: Its Response to Injury	Orton,E Christopher	Clinical Sciences University of Colorado Health Sci Ctr	12/01/95- 11/30/96	4314 \$21,750
Determination of the Population Prevalence of Feline Herpesvirus-1 as Assessed by Polymerase...	Roberts,Steven M Burgesser,Kent M	Clinical Sciences American Coll of Veterinary Ophthalmol.	05/01/96- 04/30/98	5086 \$3,900
In Vitro & In Vivo Evaluation of Subchondral Bone Microdamage & Remodeling in the Carp...	McIlwraith,C Wayne Kawcak,Christopher E	Clinical Sciences AQHA-American Quarter Horse Assoc.	10/01/96- 09/30/97	5088 \$34,372
Osteogenesis via the Deconstruction of Strain History	Turner,Anthony Simon	Clinical Sciences Univer. of New York Research Foundation	12/01/95- 12/01/96	5341 \$15,000
Efficacy of Etodolac as a NSAID - (Nonsteroidal Anti-inflammatory Drug)	Schwarz,Peter D	Clinical Sciences Fort Dodge Laboratories	07/01/93- 06/15/97	6001 \$10,631
In Vivo Evaluation of Hybrid Xenograft / Autograft Heart Valves	Orton,E Christopher	Clinical Sciences Cryolife, Inc.	05/01/96- 06/30/97	6180 \$5,998
Clinical Efficacy of CNM DCO-Formula as an Adjunct to Therapy in the Management of Diabetes in Dogs	Greco,Deborah S	Clinical Sciences Ralston-Purina Company	02/01/96- 09/30/96	6185 \$9,918
Toxoplasma Gondii-Specific IgM, IgG, & IgA Responses in the Serum, Salvia & Duodenal Secretions...	Lappin,Michael R	Clinical Sciences Heska, Corp. (Paravax)	12/15/93- 12/14/96	6892 \$2,834

College: Other – Awards

Title	Principal Investigator	Department/Sponsor Name	Dates	Proj#/\$ Amt.
Colorado State University Educational Talent Search	Thayer,Paul B	Talent Search Program DE-Department of Education Talent Search	09/01/96- 08/31/97	4208 \$251,720
Fellowship for Stephanie Vantress Bestlemeyer	Jaros,Dean	Graduate School National Science Foundation	06/01/95- 05/31/97	3629 \$1,000
Access Colorado Library & Information Network Z39.50	05/01/96-	Bush,Carmel C 0906 Colorado State Library (LSCA)	Library 10/31/96	 \$9,750
Northern Front Range Air Quality Study	Smith,Ralph E	V P Research & Information Technology Governors Office	09/19/95- 10/15/96	0835 \$250,000
Northern Front Range Air Quality Study	Smith,Ralph E	V P Research & Information Technology Governors Office	09/19/95- 10/15/96	0835 \$15,806
Guided Selective Atherectomy in Atherosclerotic Rabbits	Maul,Donald H	Laboratory Animal Resources Advanced Coronary Intervention, Inc.	06/01/95- 06/10/97	6105 \$11,998
Animal Studies using Recombinant Hemoglobin Preparations	Maul,Donald H	Laboratory Animal Resources Somatogen	03/15/94- 03/15/97	6895 \$14,906
Turkey East Anatolia Watershed Training Project	Niehaus,Merle H	International Research & Development CID-Consortium for Inter. Development	10/26/94- 06/30/96	9201 \$5,062
Turkey East Anatolia Watershed Training Project Group 6A Study Tour	Niehaus,Merle H	International Research & Development CID-Consortium for Inter. Development	05/01/96- 05/31/96	9211 \$8,817
Introduction to Agricultural Research & Its Career Opportunities	Laughlin,Charles W	Agricultural Experiment Station USDA-ES-CES-Cooperative Extension Srv	06/01/96- 05/31/97	1410 \$5,000
Agricultural Research	Laughlin,Charles W	Agricultural Experiment Station USDA-CSRS-Coop. States Research Service	10/01/95- 09/30/96	2024 \$600
Water Quality & BMP's Demonstration Project	Al-Kaisi,Mahdi M	Cooperative Extension Colorado Dept Public Health & Environ	05/21/96- 12/31/98	0915 \$125,000
DARE-to-be-YOU Workshops & Classes	Miller-Heyl,Janet L	Cooperative Extension DOI-BIA-Bureau of Indian Affairs	04/08/96- 05/31/96	1716 \$4,861
Denver Urban Resources Partnership Program	Hubbard,James E Hofer,Philip J	Colorado State Forest Service DOI-NPS-National Park Service	06/01/95- 06/01/97	4155 \$20,000
Colorado Forest Health Monitoring	Schomaker,Michael E	Colorado State Forest Service USDA-USFS-Forest Research	06/24/96- 09/30/96	8779 \$50,000
Upward Bound Summer Food Service Program	Thayer,Paul B	Center-Educational Assess/Outreach Colorado Department of Education	06/15/96- 07/26/96	0917 \$10,000
Educational Opportunity Center	Thayer,Paul B	Center-Educational Assess/Outreach DE-Educational Opportunity Centers	11/01/96- 10/31/97	4206 \$351,230
Upward Bound	Thayer,Paul B	Center-Educational Assess/Outreach DE-Dept of Educa - Upward Bound Program	06/01/96- 05/31/97	4260 \$361,479
GIS Survey of the Gunnison Research Area	McNerney,Ralph B	Career Services DOI-BLM-Bureau of Land Management	07/01/96- 09/30/96	1821 \$1,920
CIMD Coalition to Increase Minority Degrees (AAC Supplemental Instruction)	Wilburn,Dale	Academic Advancement Center Arizona State University	02/08/96- 10/31/96	3491 \$176

Title

Principal Investigator

Department/Sponsor Name

Dates

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