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The University of New Mexico



AWARDS ANNUAL REPORT *fy98*

Office of Research Services

AWARDS ANNUAL REPORT *fy*98

On the Cover: *Time Cycle, Morning*, 1930, by Raymond Jonson. Bequest of Raymond Jonson, Collection of Jonson Gallery of the University of New Mexico Art Museums, Albuquerque.

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message

FROM THE ASSOCIATE PROVOST FOR RESEARCH/DEAN OF GRADUATE STUDIES



It is a pleasure for me to release this 1998 annual report, which summarizes the University of New Mexico's (UNM) sponsored activities for fiscal year 1998 (i.e., July 1, 1997 - June 30, 1998, FY98). The purpose of this report is to present statistics of FY98 sponsored research, public service and instruction efforts at the main campus and Health Sciences Center (HSC). UNM, a Research I Institution, is ranked in the top 50 of the nation's public universities and colleges, based on annual research and development (R&D) expenditures (see p. 11).

UNM faculty have continued their commitment to excellence by seeking sponsored project support and producing scholarly and creative works. While the majority of research at UNM is faculty based, there is a noticeable level of activity which involve non-faculty initiatives. The scholarly and creative works are listed in *Faculty Publications and Creative Works* and the details of contract and grant activities are compiled in the *Contract and Grant Awards Report*, both of which are published annually by the Office of Research Services.

The awards received for FY98 total \$175.8M, of which \$121.3M is attributed to the main campus. These awards assist in providing resources that are necessary to improve the quality of research and teaching at UNM. They also enhance the opportunities for students to be trained in state-of-the-art laboratories in a variety of disciplines. During FY98, \$5.5M was paid to 540 graduate students for research assistantships.

UNM centers continue to flourish and promote interdisciplinary research. They acquired \$38M in awards and were responsible for supporting numerous faculty, staff and students from a broad spectrum of disciplines on campus.

Terminology pertinent to this report include the following: *contract and grant* (C&G) awards — new funds that were acquired during FY98; *expenditures* — expenses incurred with respect to C&G awards in effect during FY98; *facilities and administrative costs* (F+A), formerly known as indirect costs (IDC) — overhead funds that were generated as a result of expenditures incurred during FY98.

Please join me in thanking our dedicated faculty, staff and students involved in the research, public service and instruction efforts at UNM. It is their successful endeavors that enhance UNM's visibility at the national and international levels, as well as contribute to the economic growth of New Mexico and the region. Thanks are also due to a number of individuals who have helped in preparing this report. In particular, I would like to acknowledge the efforts of Denise Wallen, Ann Powell and Valerie Roybal of the Office of Research Services, Marcia Sletten of the Health Sciences Center and Roland Wildman of the Center for High Technology Materials.

As always, I welcome your comments and questions with respect to this annual report, and other issues related to research activities at UNM.

A handwritten signature in cursive script that reads "Nasir Ahmed".

Nasir Ahmed, Presidential Professor
Interim Associate Provost for Research and Dean of Graduate Studies

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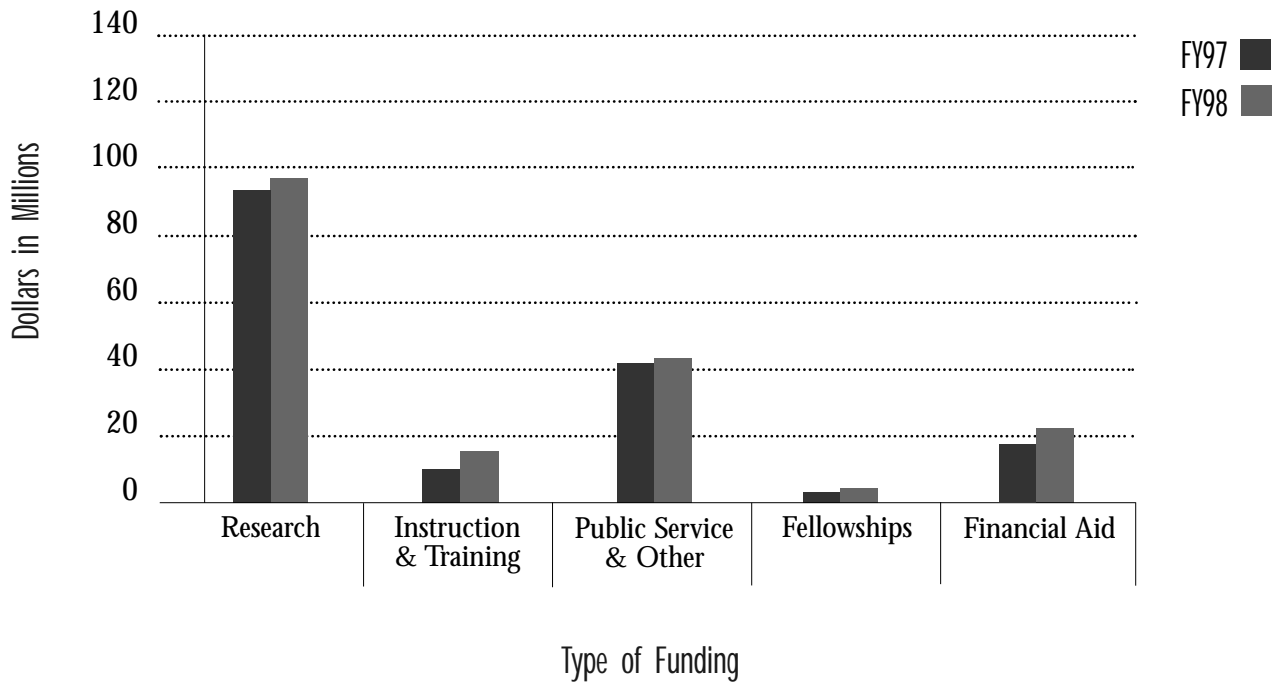
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summary

Contract and grant (C&G) awards received by the University of New Mexico are from the federal government, state and local government, national laboratories, private and corporate foundations, industry, universities and nonprofit organizations. A breakdown of FY98 (July 1, 1997 - June 30, 1998) awards, by category is as follows:

	FY97	FY98
Research	\$92,421,690	\$94,584,071
Instruction & Training	8,093,856	16,586,349
Public Service & Other	40,117,548	41,853,767
Fellowships	974,291	1,613,949
Financial Aid	<u>18,077,961</u>	<u>21,192,474</u>
Total	\$159,685,346	\$175,830,610

Figure 1: Summary FY97 - FY98



summary

The FY98 total for external sponsored support to the University of New Mexico is \$175.8M. As in the past, the federal government remains the primary source of UNM sponsored projects and represents 61% of sponsored support at UNM. State funding represents 13% of sponsored support. Funding from the national laboratories represents 4% of total sponsored support. Foundation support contributes to 2% of sponsored funds. Industry accounted for 8% of total sponsored support. Other support, which includes funds from universities, nonprofit organizations, local schools and foreign entities accounted for 12% of sponsored support.

The largest sponsor was the National Institutes of Health, followed by the State of New Mexico, the U.S. Department of Education and the U.S. Air Force. Foundations, industry and local/state government continue to play an important ongoing role for UNM's sponsored activities.

The total number of contracts and grants in FY98 is 1,279 and a total of 888 UNM principal investigators received awards. Of the colleges and schools, the School of Medicine had the largest amount of outside funding; the second was the College of Arts and Sciences, followed by the School of Engineering. Other significant support was distributed among the remaining colleges and schools, institutes, centers and programs.

Tables 1a through 1d and Table 2 summarize statistics pertaining to funding sources with respect to C&G awards for the main campus as well as the Health Sciences Center (HSC).

statistics summary

CONTRACT AND GRANT AWARDS AND FUNDING SOURCES FY98

Table 1a

<u>Total C&G Awards</u>	<u>Percentage of Total C&G Awards</u>
Total C&G Awards: UNM	\$175.8M
Total C&G Awards: Main Campus	\$121.3M (69%)
Total C&G Awards: HSC	\$54.5M (31%)

Table 1b

<u>Source of C&G Awards (UNM)</u>	<u>Percentage of Total C&G Awards</u> [Total: \$175.8M]
Foundations	2%
Federal	61%
Industry	8%
National Laboratories	4%
State of New Mexico	13%
Other	12%

Table 1c

<u>Source of C&G Awards (Main Campus)</u>	<u>Percentage of Total C&G Awards</u> [Total: \$121.3M]
Foundations	3%
Federal	63%
Industry	4%
National Laboratories	6%
State of New Mexico	12%
Other	12%

Table 1d

<u>Source of C&G Awards (HSC)</u>	<u>Percentage of Total C&G Awards</u> [Total: \$54.5M]
Foundations	2%
Federal	56%
Industry	16 %
National Laboratories	<1%
State of New Mexico	15%
Other	11%

statistics summary

FUNDING CATEGORIES FY98

Table 2

<u>Funding Category</u>	<u>Main Campus</u> <u>[Total: \$121.3M]</u>	<u>HSC</u> <u>[Total: \$54.5M]</u>	<u>UNM</u> <u>[Total: \$175.8M]</u>
Research	56%	48%	54%
Public Service	13%	49%	24%
Instruction	13%	2%	9%
Fellowships	1%	1%	1%
Financial Aid	17%	<1%	12%

national rankings

The National Science Foundation (NSF) maintains data on research and development (R&D) expenditures in science and engineering for the nation's universities. R&D expenditures are from all sources of funding: federal, state, local, industrial, foundation, internal and miscellaneous. *Tables 3 and 4*, below, show UNM's ranking since FY93 based on this NSF data.

Tables 5 through 8 detail UNM's placement within the individual rankings of the top colleges and universities according to the latest available NSF surveys of expenditures and obligations. An assortment of pie charts and bar diagrams are presented in *Figures 2 through 20*.

Table 3: UNM's Ranking for Total R&D Expenditures Compared to all Universities and Colleges:
FY93 - FY97

<u>Year</u>	<u>Ranking</u>
FY97	74
FY96	69
FY95	55
FY94	79
FY93	84

Table 4: UNM's Ranking for Total R&D Expenditures Compared to all Public Universities and Colleges:
FY93 - FY97

<u>Year</u>	<u>Ranking</u>
FY97	50
FY96	47
FY95	37
FY94	54
FY93	58

Table 5: Total R&D Expenditures at Universities and Colleges: FY93 - FY97 [Dollars in Thousands]*

<u>Institution/Ranking</u>	<u>1997</u>	<u>1996</u>	<u>1995</u>	<u>1994</u>	<u>1993</u>
Total, All Institutions	24,348,336	23,092,015	22,202,702	21,050,664	19,948,348
71 U of Hawaii Manoa	120,107	111,202	78,429	70,079	73,961
72 Georgetown University	119,114	112,582	102,421	82,661	73,785
73 U of Nebraska Lincoln	117,100	102,460	107,721	102,746	94,959
74 University of New Mexico	116,152	116,618	129,354	90,315	76,736
75 Princeton University ²	114,549	112,380	104,157	99,287	95,561
76 University of Oklahoma	114,387	109,071	102,337	95,747	92,019
77 University of Virginia	114,085	97,334	136,679	129,504	115,786
78 U CA Irvine	113,187	119,647	109,908	104,778	100,631
79 U Med & Dent NJ	110,383	98,535	96,365	86,866	76,410
80 The Rockefeller U	<u>109,999</u>	<u>105,595</u>	<u>99,348</u>	<u>74,458</u>	<u>74,396</u>
Total 1st 80 Institutions	17,612,762	16,675,766	16,063,892	15,268,246	14,519,117
81 University of Kansas	108,893	100,649	100,702	95,701	85,134
82 U of South Florida	99,649	94,157	92,758	86,186	75,322
83 Oregon Health Sciences U	98,319	80,333	74,726	63,875	56,860
84 Washington State U	97,700	98,641	96,810	94,819	92,434
85 Yeshiva University	96,819	91,430	94,739	92,881	89,636
86 Florida State University	95,908	78,125	86,060	76,588	62,929
87 UT-Houston HSC	95,638	82,803	74,644	66,432	58,786
88 U CA Santa Barbara	94,796	91,284	78,737	73,619	68,775
89 CUNY Mt Sinai Sch Med	94,776	92,405	92,008	86,179	75,337
90 Utah State University	<u>91,292</u>	<u>81,709</u>	<u>82,468</u>	<u>79,085</u>	<u>75,835</u>
Total 1st 90 Institutions	18,586,552	17,567,302	16,937,564	16,083,611	15,260,165

Source: National Science Foundation/SRS, Survey of Scientific and Engineering Expenditures at Universities and Colleges, Fiscal Year 1997.

* Federal expenditures represents the dollar amount reported by each institution to NSF.

² These data do not include R&D expenditures at university-associated federally funded research and development centers.

Table 6: R&D Expenditures at Public Universities and Colleges by Source of Funds: FY97 [Dollars in Thousands]*

<u>Institution/Ranking</u>	<u>Total</u>	<u>Federal Govt.</u>	<u>State & Local Govts.</u>	<u>Industry</u>	<u>Institutional Funds</u>	<u>Other</u>
Total, All Institutions	16,391,179	8,752,177	1,709,477	1,158,125	3,737,070	1,034,330
41 U of Missouri Columbia	132,432	35,993	17,895	8,449	63,882	6,213
42 Oregon State University	131,467	80,131	27,512	832	14,636	8,356
43 University of Utah	131,357	99,322	646	10,374	15,847	5,168
44 U TX MD Anderson Cncr	129,578	49,702	0	0	47,937	31,939
45 Colorado State University	128,580	79,393	20,510	5,712	22,439	526
46 University of Kentucky	124,804	62,128	7,134	11,259	42,226	2,057
47 Wayne State University	124,383	53,707	10,946	10,959	36,847	11,924
48 U of Hawaii Manoa	120,107	72,421	28,440	5,944	13,297	5
49 U of Nebraska Lincoln	117,100	41,269	38,629	4,651	30,781	1,770
50 University of New Mexico	<u>116,152</u>	<u>76,978</u>	<u>2,260</u>	<u>2,799</u>	<u>29,748</u>	<u>4,367</u>
Total 1st 50 Institutions	11,101,383	6,011,688	1,164,126	790,801	2,420,142	714,626
51 University of Oklahoma	114,387	45,756	14,718	6,871	34,328	12,714
52 University of Virginia	114,085	82,488	4,310	7,627	9,379	10,281
53 U CA Irvine	113,187	71,472	3,470	10,445	14,980	12,820
54 U Med & Dent NJ	110,383	57,471	6,532	8,519	28,157	9,704
55 University of Kansas	108,893	46,733	9,643	8,201	38,157	6,159
56 U of South Florida	99,649	31,068	8,179	3,747	49,775	6,880
57 Oregon Health Sci U	98,319	68,637	2,933	7,036	13,259	6,454
58 Washington State U	97,700	45,030	3,495	3,138	36,243	9,794
59 Florida State University	95,908	52,945	1,667	1,148	35,575	4,573
60 UT-Houston HSC	<u>95,638</u>	<u>67,205</u>	<u>787</u>	<u>9,780</u>	<u>5,911</u>	<u>11,955</u>
Total 1st 60 Institutions	12,149,532	6,580,493	1,219,860	857,313	2,685,906	805,960

Source: National Science Foundation/SRS, Survey of Scientific and Engineering Expenditures at Universities and Colleges, Fiscal Year 1997.

* Federal expenditures represents the dollar amount reported by each institution to NSF.

Table 7: Federal Obligations for Science and Engineering Research and Development to the 100 Universities and Colleges Receiving the Largest Amounts, Ranked by Total Amount Received: FY97 [Dollars in Thousands]*

<u>Institution/Ranking</u>	<u>\$ Amount</u>
Total, All Institutions	13,002,538
81 University of Connecticut	48,255
82 University of New Mexico	46,507
83 U TX Med Brnch Galveston	46,227
84 Florida State University	45,808
85 Dartmouth College	45,771
86 Brown University	44,119
87 Iowa State University	43,940
88 Rockefeller University	43,820
89 Tulane University	43,574
90 U TX HSC San Antonio	<u>43,333</u>
Total 1st 90 institutions	10,419,626

Source: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1997.

*Federal obligations data is submitted to NSF by federal funding agencies and represents new funds awarded for that fiscal year.

Table 8: Federal Obligations for Science and Engineering to the 100 Universities and Colleges Receiving the Largest Amounts, Ranked by Total Amount Received in FY97: FY93 - FY97 [Dollars in Thousands]*

<u>Institution/Ranking</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>
Total, All Institutions	12,833,494	13,863,132	14,444,726	14,428,787	15,081,369
71 Wayne State University	42,735	49,279	51,023	59,273	66,419
72 University of New Mexico	60,999	74,407	83,155	65,459	65,412
73 U of IL Chicago	58,450	64,197	57,799	61,552	65,237
74 U CA Santa Barbara	54,860	64,875	63,625	64,254	64,379
75 U Med & Dent of NJ	53,773	54,295	49,695	56,845	62,093
76 U TX MD Anderson Cancr	43,219	49,500	46,712	56,618	60,612
77 Iowa State University	58,267	72,201	58,831	58,975	59,441
78 U of Missouri Columbia	42,016	47,245	48,376	45,246	57,999
79 U of Connecticut	61,452	52,195	55,062	53,193	57,692
80 Woods Hole Ocean Inst	66,821	68,281	69,967	59,812	57,106
Total 1st 80 Institutions	9,487,209	10,259,565	10,686,106	10,770,073	11,184,949
81 University of Georgia	68,307	66,867	60,943	60,129	56,303
82 U of Cincinnati	56,186	55,436	54,785	54,965	55,962
83 Wake Forest University	42,526	56,784	54,109	58,588	55,916
84 Thomas Jefferson U	39,635	47,199	50,211	52,837	53,242
85 U of MA Worcester	36,639	38,872	38,928	46,969	52,878
86 University of Kansas	36,438	37,810	44,402	49,762	49,827
87 U TX Med Br Galviston	29,748	33,821	39,014	45,223	49,292
88 Dartmouth College	43,641	41,498	42,747	47,137	48,462
89 U of Tennessee Knoxville	42,070	40,924	41,748	41,057	47,981
90 U of MA Amherst	<u>40,237</u>	<u>41,682</u>	<u>48,416</u>	<u>44,157</u>	<u>47,891</u>
Total 1st 90 Institutions	9,922,636	10,720,458	11,161,409	11,270,897	11,702,703

Source: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1997.

*Federal obligations data is submitted to NSF by federal funding agencies and represents new funds awarded for that fiscal year.

unm figures

Figure 2: Contract and Grant Awards by Source of Funds FY98

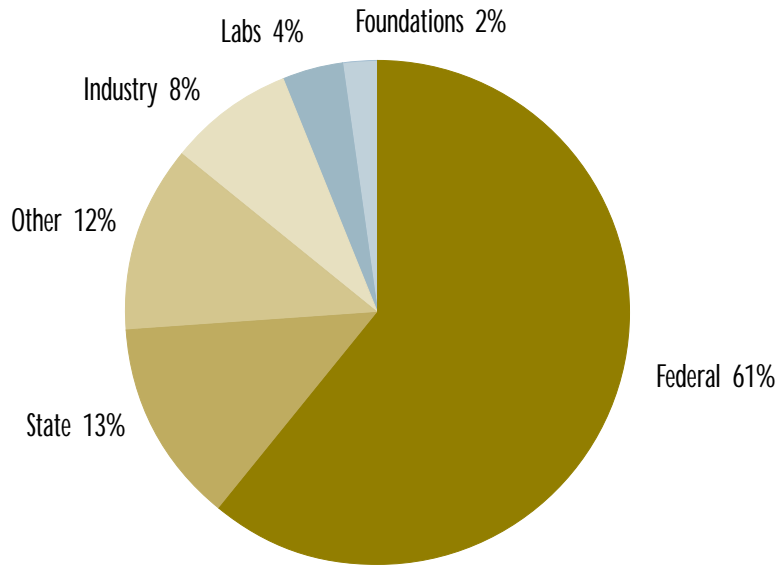


Figure 3: Breakdown of Federal Funds FY98

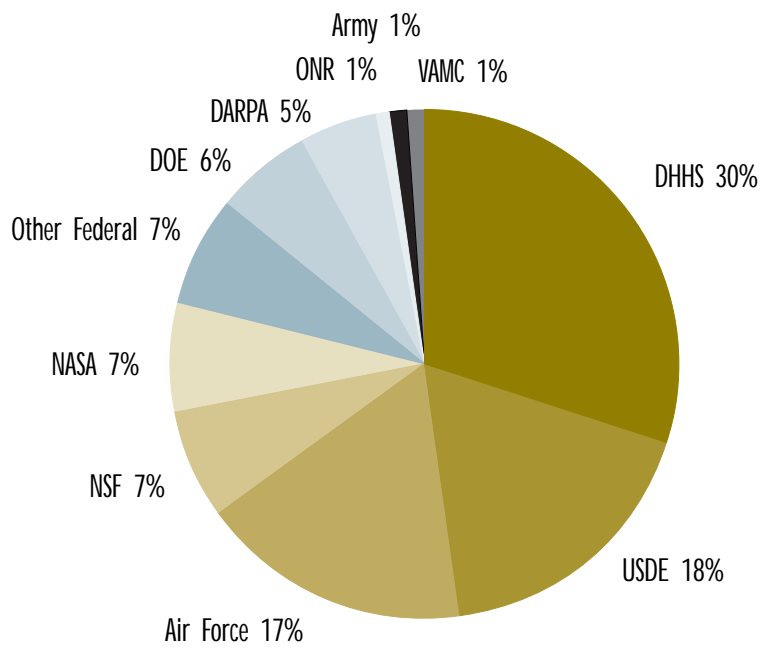


Figure 4: Contract and Grant Awards by Unit FY98

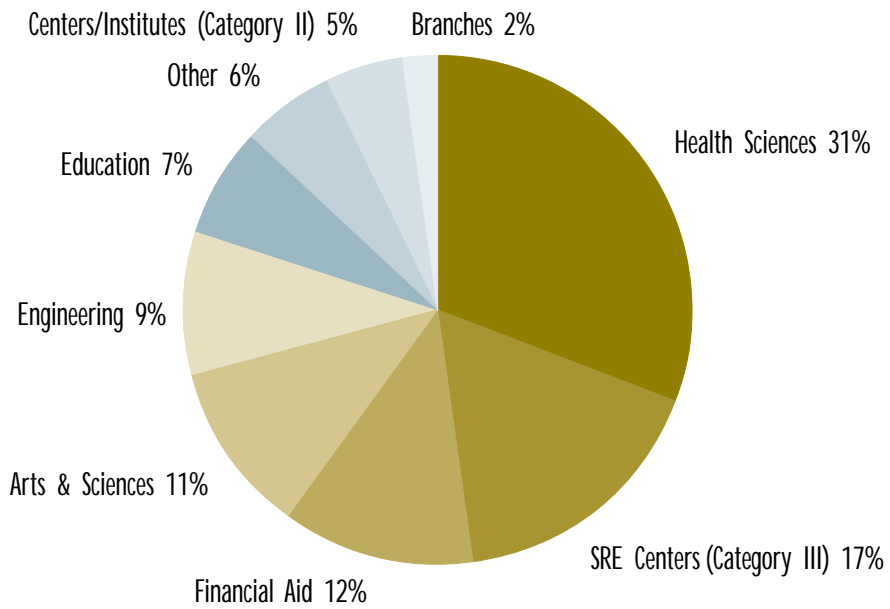


Figure 5: Total Contract and Grant Awards Ten Year History FY89 - FY98

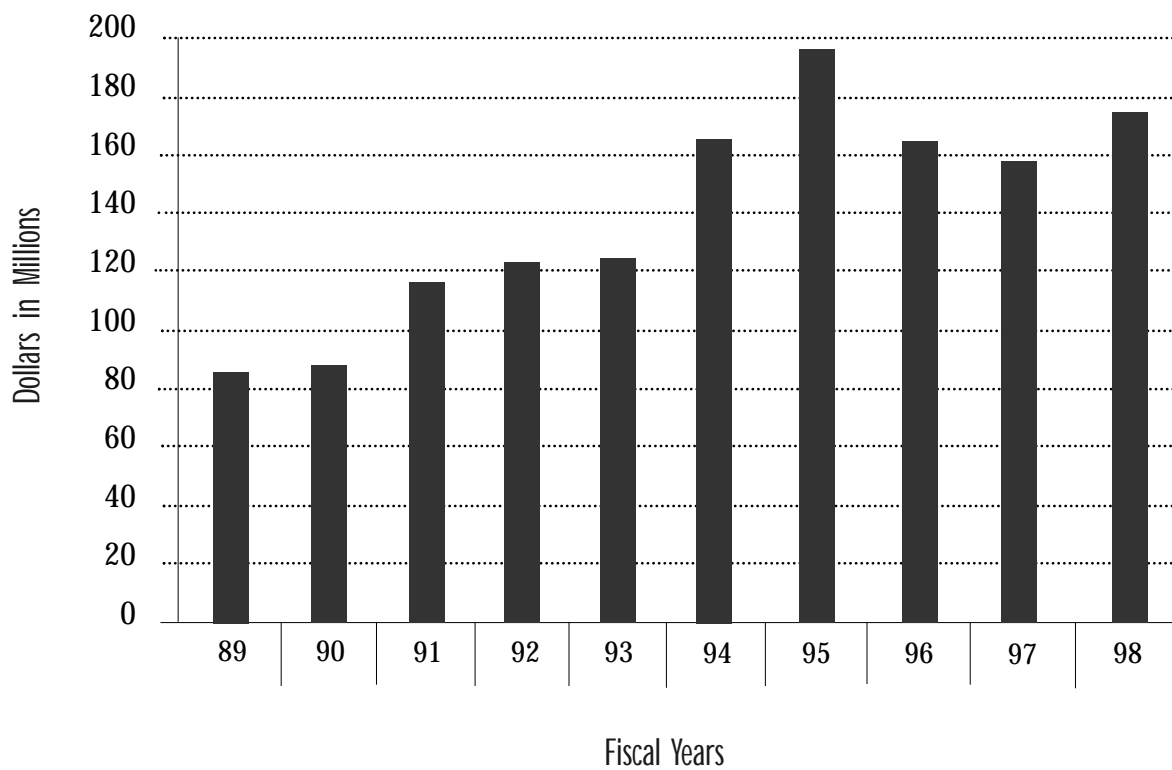


Figure 6: Contract and Grant Expenditures by Unit FY98

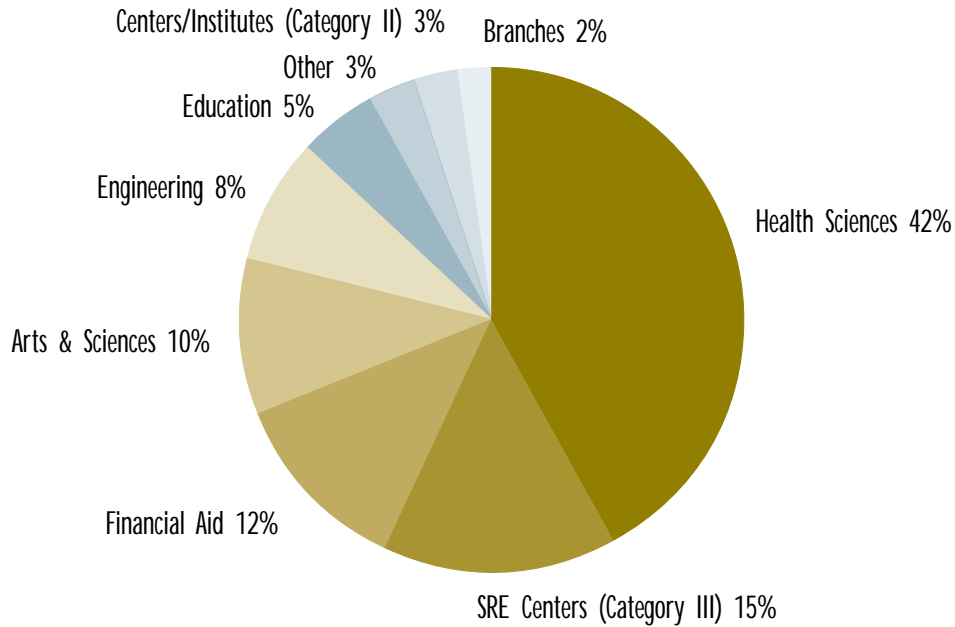
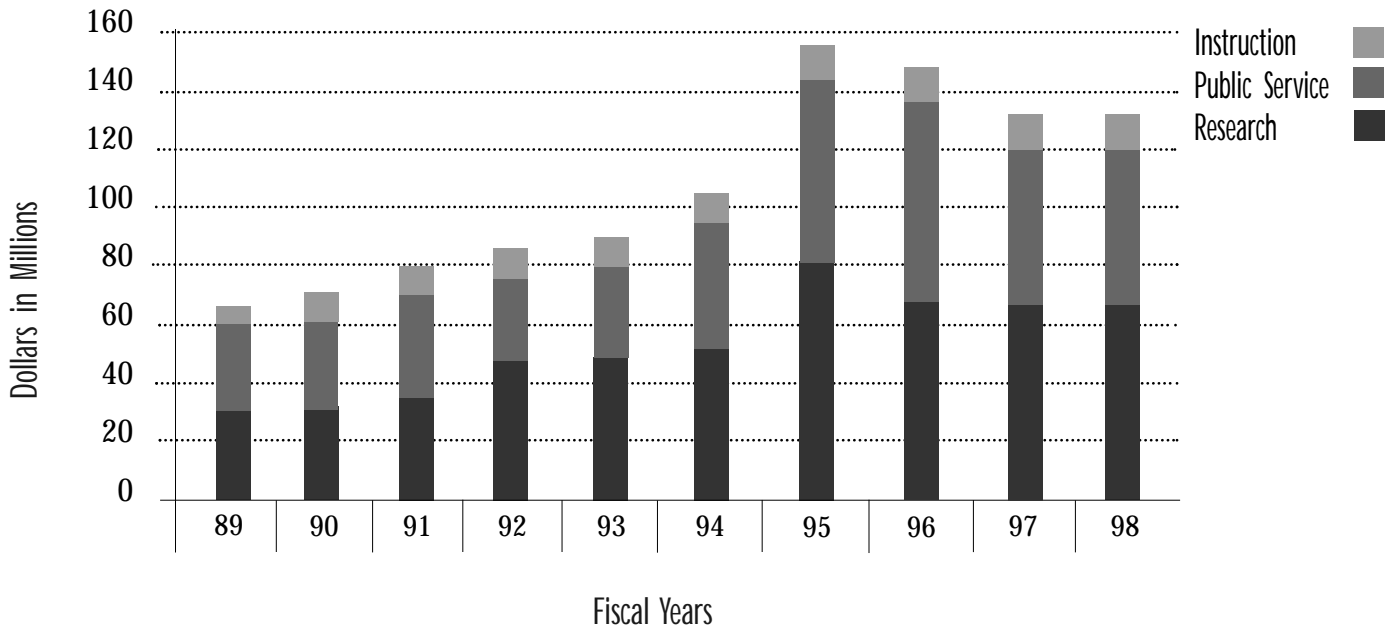


Figure 7: Total Contract and Grant Expenditures Ten Year History FY89 - FY98[◇]



[◇] Please see "References," page 32.

Note: Financial aid, endowments, fellowships and F+A are not included in this graph.

Figure 8: Proposals by Unit FY98

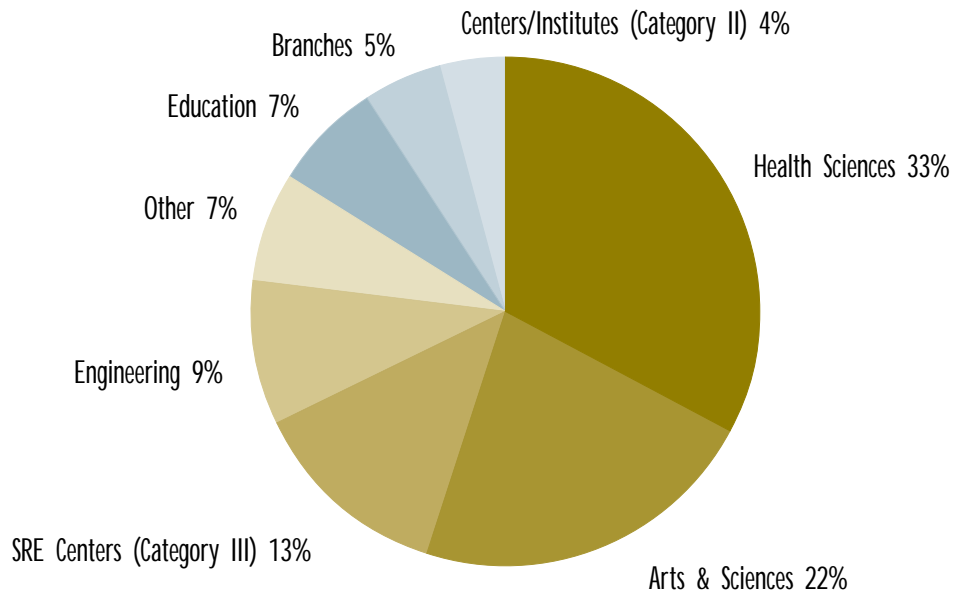
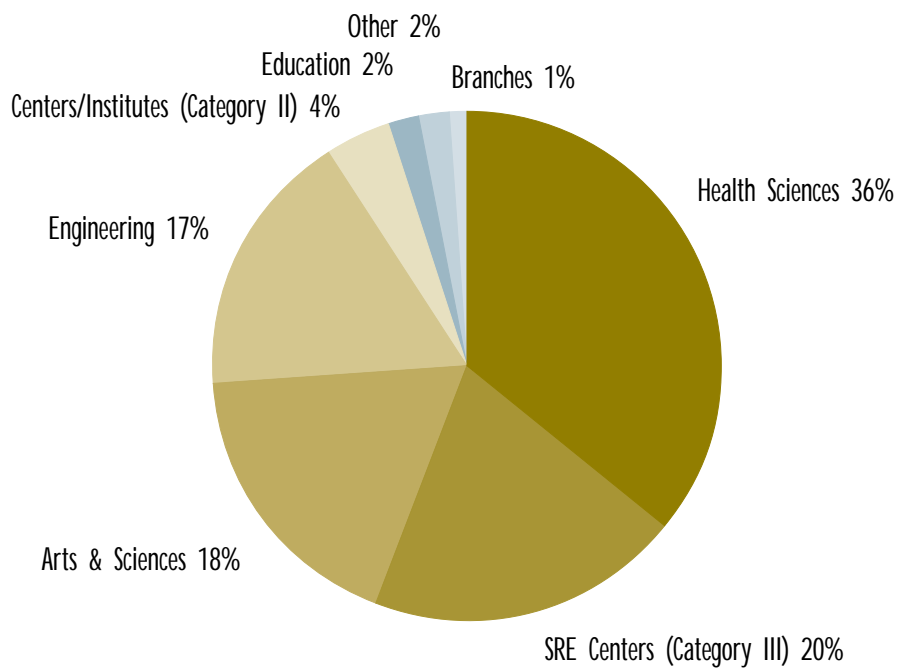


Figure 9: Facilities and Administrative Costs Generated by Unit FY98



awards

External sponsored support at the University of New Mexico has increased 107% over a ten-year period. In FY98 UNM received \$175.8M for 1,279 awards. The Health Sciences Center had the largest percentage of contract and grant awards, 31%, for a total \$54.5M. The School of Engineering accounted for 9% of the awards, for a total of \$14.4M and the College of Arts and Sciences with 11% of the awards, for a total of \$19.8M. *Table 9* reflects the number of contract and grants awarded from FY89 through FY98. *Tables 10 through 14* and *Figure 10* summarize award dollar details by sources of funds and campus area. *Figures 11* and *12* summarize awards dollars for the centers and for the departments whose principal investigators are involved.

Table 9: Award Dollars FY89 - FY98

<u>Year</u>	<u>Main</u>	<u>HSC</u>	<u>Total</u>
1989	\$65,292,819	\$19,490,851	\$84,783,670
1990	57,893,153	26,700,661	84,593,814
1991	80,590,517	37,504,733	118,095,250
1992	89,501,957	34,362,051	123,864,008
1993	89,023,122	35,193,405	124,221,527
1994	129,434,866	37,153,847	166,588,713
1995	151,705,415	45,238,026	196,943,441
1996	113,661,750	50,661,741	164,323,491
1997	109,623,005	50,062,341	159,685,347
1998	121,291,377	54,539,233	175,830,610

Table 10: Award Dollars by Source of Funds FY97 - FY98

<u>Source</u>	<u>FY97</u>	<u>FY98</u>	<u>% Change</u>
Federal Agencies	\$102,656,741	\$107,154,164	+4%
State of New Mexico	18,551,687	23,020,085	+24%
National Laboratories	6,303,773	7,794,592	+24%
Industry	14,735,344	13,887,907	-6%
Foundations	2,987,704	4,240,458	+42%
Other	<u>14,650,098</u>	<u>19,733,404</u>	+35%
Total	\$159,685,347	\$175,830,610	+10%

Table 11: Award Dollars by Campus Area FY97 - FY98

<u>Campus Areas</u>	<u>FY97</u>	<u>FY98</u>
<i>Main Campus</i>		
Anderson Schools of Management	\$137,188	\$201,190
College of Arts and Sciences	19,551,510	19,824,028
College of Education	5,951,132	12,084,440
College of Fine Arts	6,400	2,000
Division of Continuing Education	45,761	726,721
School of Architecture and Planning	50,130	359,000
School of Engineering	18,476,472	15,988,460
School of Law	1,355,040	1,296,730
Financial Aid	18,077,961	21,192,474
Branches	2,788,822	3,818,412
UNM Centers/Institutes (Category II)*	3,985,336	8,021,438
UNM SRE Centers (Category III)**	33,066,001	29,888,201
Other ‡	<u>6,131,252</u>	<u>7,888,283</u>
<i>Health Sciences Center</i>		
Vice President for HSC and Other ‡‡	2,390,140	1,641,321
School of Medicine	38,299,606	41,671,943
College of Nursing	687,821	747,668
College of Pharmacy	1,471,014	1,726,850
Cancer Research and Treatment Center †	<u>7,213,760</u>	<u>8,751,451</u>
Sub Total Main Campus	109,623,005	121,291,377
Sub Total Health Sciences Center	<u>50,062,341</u>	<u>54,539,233</u>
Total	\$159,685,347	\$175,830,610

*, **, ‡, ‡‡, † See "References," page 32.

Table 12: Award Dollars by Source of Funds: Funds Distribution FY98

<u>Source</u>	<u>Fin. Aid</u>	<u>Main</u>	<u>HSC</u>	<u>Total</u>	<u>%</u>
Federal Agencies	\$15,707,316	\$60,844,966	\$30,601,882	\$107,154,164	61%
State of New Mexico	5,485,158	9,550,463	7,984,464	23,020,085	13%
National Laboratories	0	7,660,718	133,874	7,794,592	4%
Industry	0	5,209,285	8,678,622	13,887,907	8%
Foundations	0	3,355,653	884,805	4,240,458	2%
Other	<u>0</u>	<u>13,477,818</u>	<u>6,255,586</u>	<u>19,733,404</u>	<u>11%</u>
Total	\$21,192,474	\$100,098,903	\$54,539,233	\$175,830,610	100%

Table 13: Awards by Campus Area FY98

<u>Campus Area</u>	<u># of Awards</u>	<u>\$ Amount</u>
<i>Main Campus</i>		
Anderson Schools of Management	5	\$201,190
College of Arts and Sciences	274	19,824,028
College of Education	87	12,084,440
College of Fine Arts	1	2,000
Division of Continuing Education	1	726,721
School of Architecture and Planning	6	359,000
School of Engineering	230	15,988,460
School of Law	22	1,296,730
 Financial Aid	 5	 21,192,474
 Branches	 41	 3,818,412
UNM Centers/Institutes (Category II)*	55	8,021,438
UNM SRE Centers (Category III)**	116	29,888,201
Other‡	<u>18</u>	<u>7,888,283</u>
<i>Health Sciences Center</i>		
Vice President for HSC and Other‡‡	14	1,641,321
School of Medicine	337	41,671,943
College of Nursing	8	747,668
College of Pharmacy	15	1,726,850
Cancer Research and Treatment Center†	<u>44</u>	<u>8,751,451</u>
 Sub Total Main Campus	 861	 121,291,377
Sub Total Health Sciences Center	<u>418</u>	<u>54,539,233</u>
 Grand Total	 1,279	 \$175,830,610

**, **, ‡, ‡‡, † See "References," page 32.*

Table 14: Funding Agencies Providing More Than \$1M in Support FY98

Agency	\$ Amount
National Institutes of Health	\$25,808,069
State of New Mexico	23,020,085
U.S. Department of Education	19,266,296
U.S. Air Force	18,148,909
National Aeronautics and Space Administration	7,423,208
National Science Foundation	7,037,443
Department of Energy	6,590,505
Defense Advanced Research Projects Agency	5,812,941
Sandia National Laboratories	4,826,074
Albuquerque Public Schools	3,460,017
City of Albuquerque	2,111,286
Center for Disease Control	1,620,141
New Mexico State University	1,527,400
Kellogg Foundation	1,506,640
Office of Naval Research	1,411,776
U.S. Army	1,366,992
Veterans Administration Medical Center	1,311,312
Los Alamos National Laboratory	1,299,778
Jet Propulsion Laboratory	1,222,557
Santa Fe Public Schools	1,218,603

Figure 10: Funding Agencies Providing More Than \$1M FY98

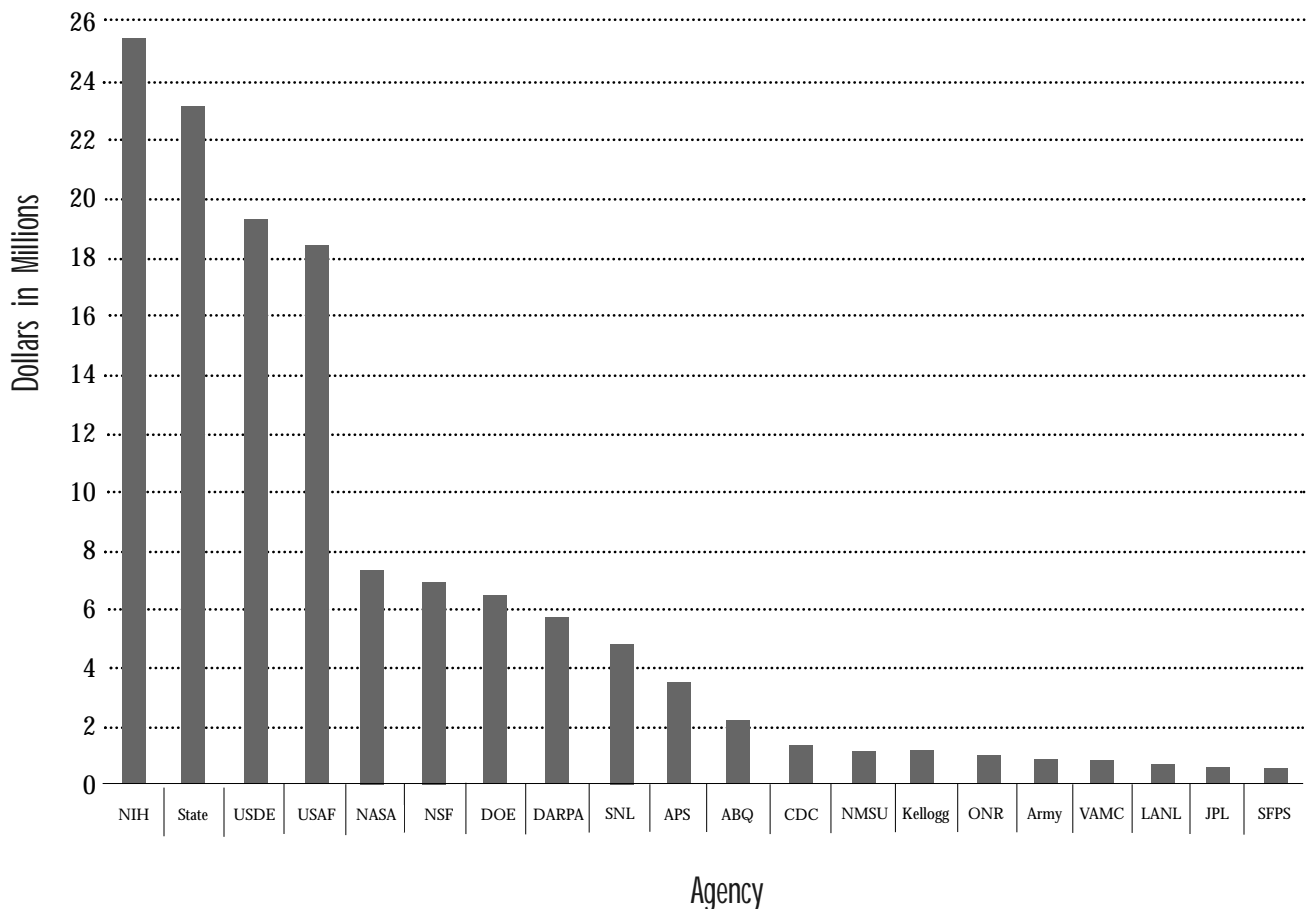
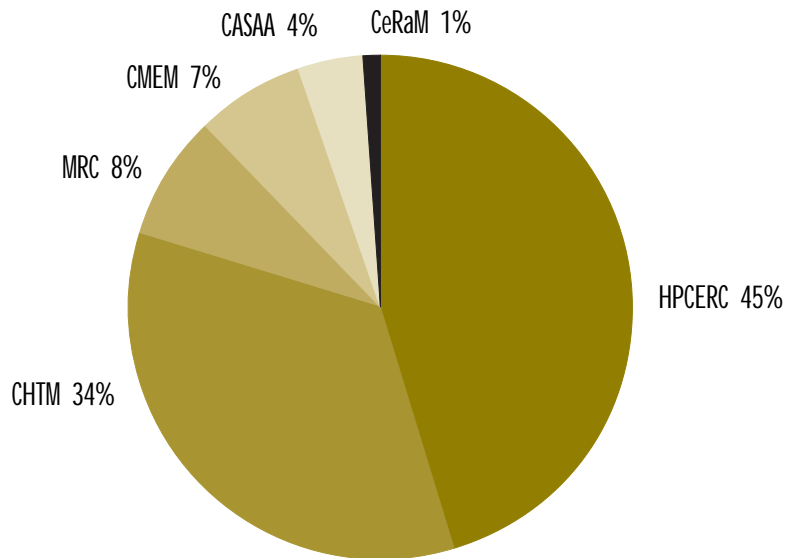
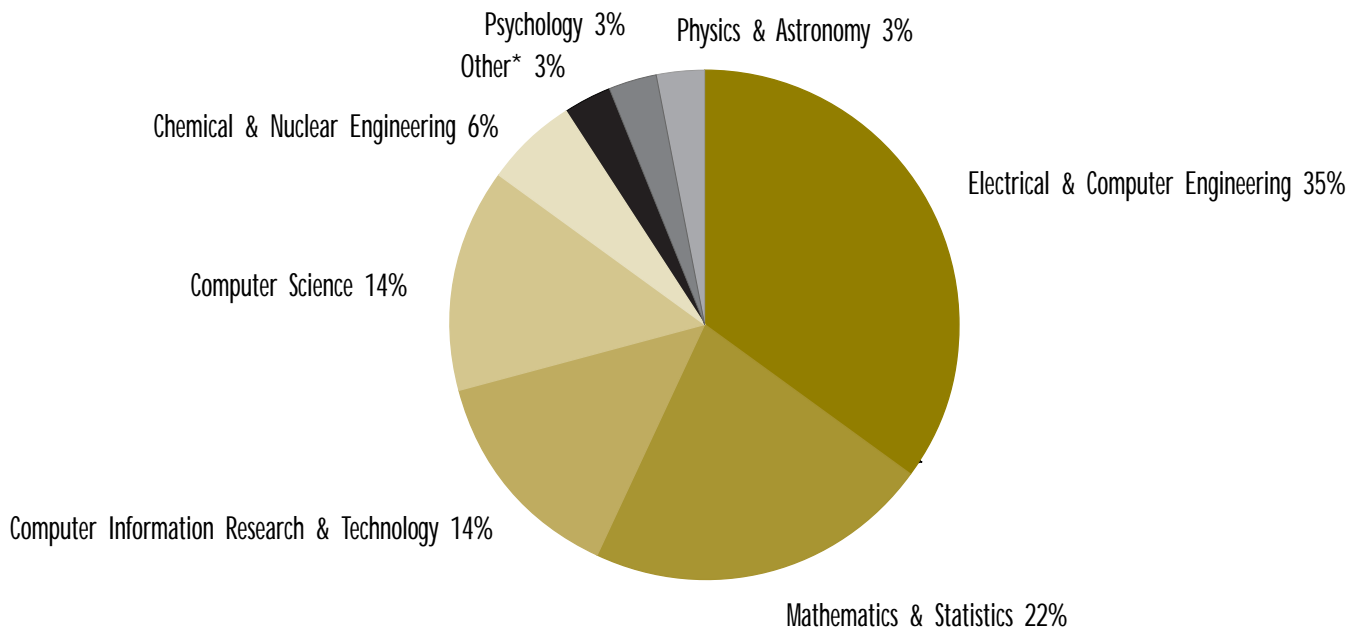


Figure 11: Contract & Grants Awards by Centers FY98



HPCERC = High Performance Computing Education and Research Center; CHTM = Center for High Technology Materials; CASAA = Center on Alcoholism, Substance Abuse and Addictions; CMEM = Center for Micro-Engineered Materials; MRC = Microelectronics Research Center; CeRaM = Center for Radioactive Waste Management.

Figure 12: Contract & Grants Awards for Centers by PI's Department FY98



* *Other* includes Chemistry, Sociology and Communication and Journalism.

funding trends

Figure 13: Five Year Funding Trends by Source of Funds: Federal Awards FY94 - FY98

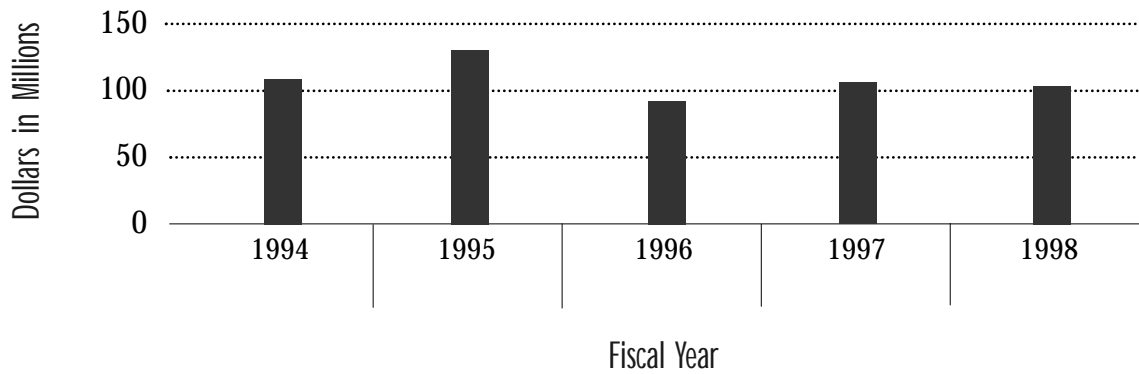


Figure 14: Five Year Funding Trends by Source of Funds: Foundation Awards FY94 - FY98

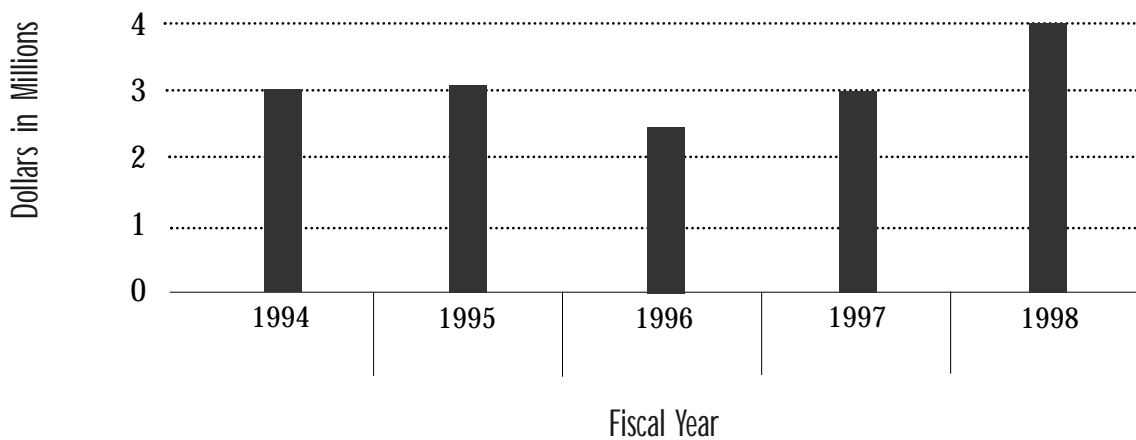


Figure 15: Five Year Funding Trends by Source of Funds: Industry Awards FY94 - FY98

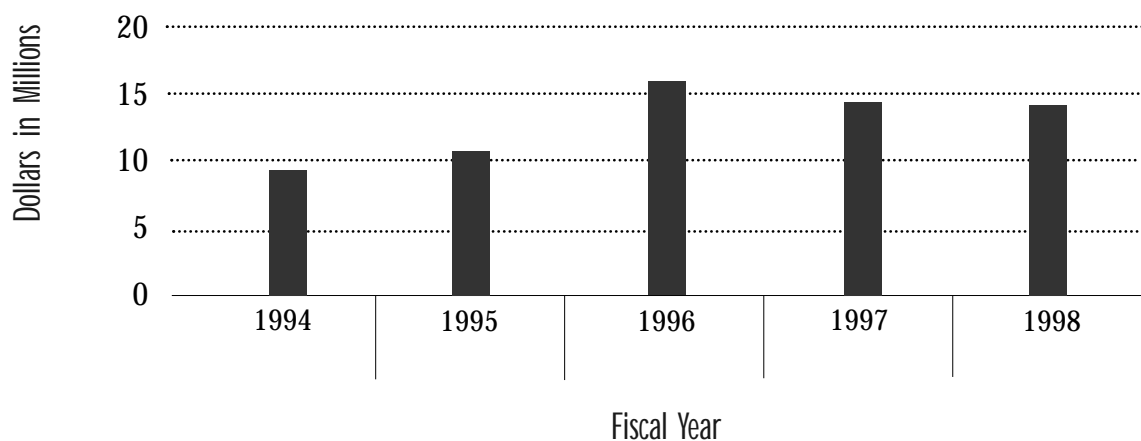


Figure 16: Five Year Funding Trends by Source of Funds: National Lab Awards FY94 - FY98

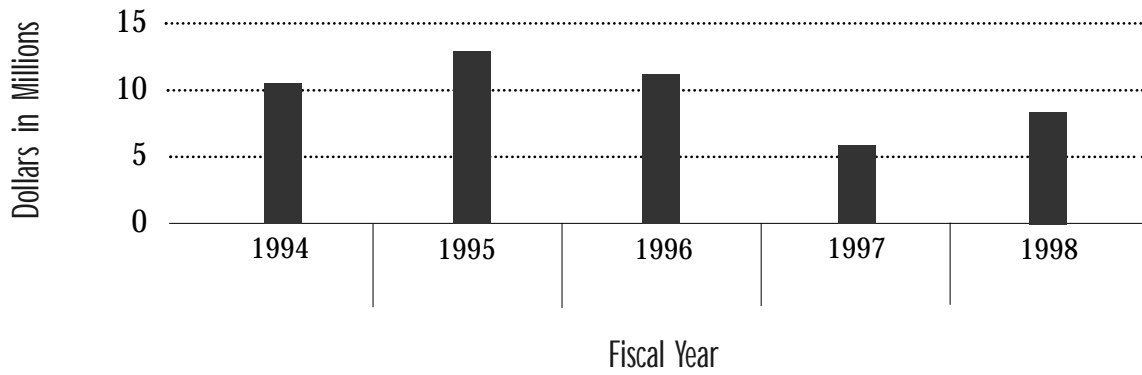


Figure 17: Five Year Funding Trends by Source of Funds: State Awards FY94 - FY98

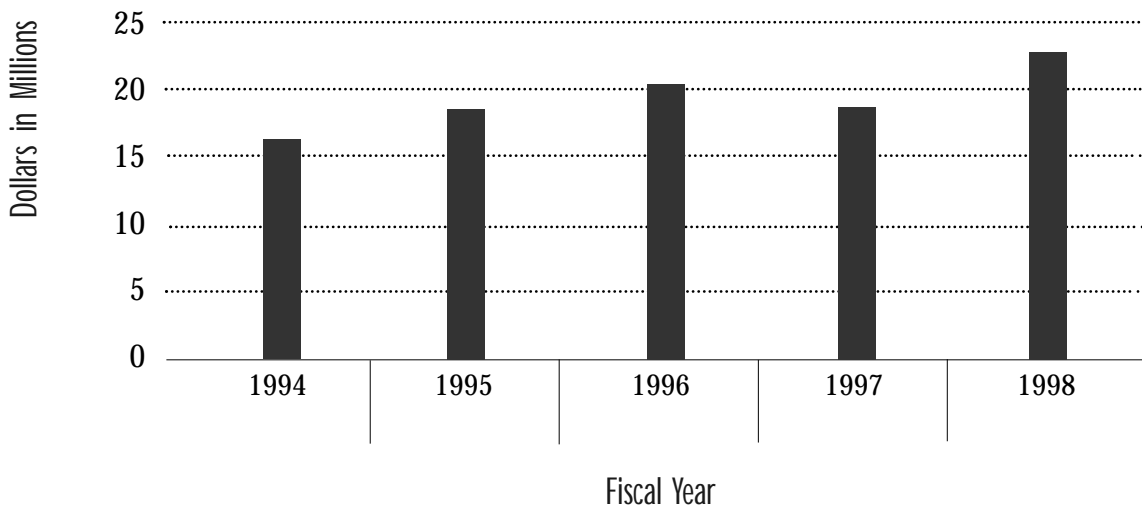
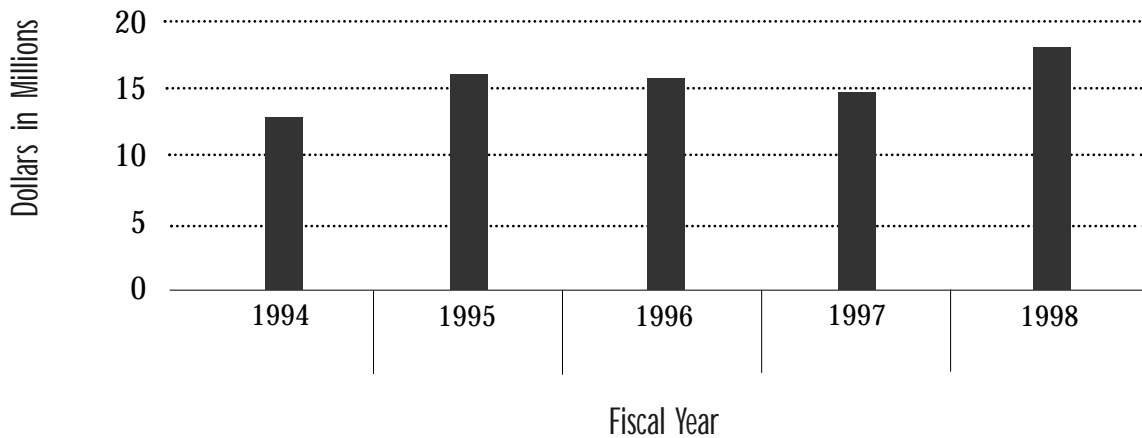


Figure 18: Five Year Funding Trends by Source of Funds: Other Awards FY94 - FY98



proposals

During FY98, 1,680 proposals were submitted by UNM faculty and staff. *Table 15* presents this information in tabular form.

Table 15: Proposals by Campus Area: School, College and Division FY98

<u>Campus Area</u>	<u>Number of Proposals</u>	<u>\$ Amount Requested</u>
<i>Main Campus</i>		
Anderson Schools of Management	7	\$567,673
College of Arts and Sciences	344	56,804,463
College of Education	93	19,511,449
College of Fine Arts	7	42,764
Division of Continuing Education	3	2,813,069
School of Architecture and Planning	9	636,784
School of Engineering	212	24,529,245
School of Law	23	1,248,938
Branches	65	13,643,392
UNM Centers/Institutes (Category II)*	59	11,340,500
UNM SRE Centers (Category III)**	113	33,211,127
Other‡	91	9,648,308
<i>Health Sciences Center</i>		
Vice President for HSC and Other‡‡	17	2,591,091
School of Medicine	508	67,924,395
College of Nursing	11	1,509,198
College of Pharmacy	50	3,706,046
Cancer Research and Treatment Center†	68	11,967,130
Sub Total Main Campus	1,026	174,057,712
Sub Total Health Sciences Center	654	87,697,860
Total	1,680	\$261,755,572

**, **, ‡, ‡‡, † See "References," page 32.*

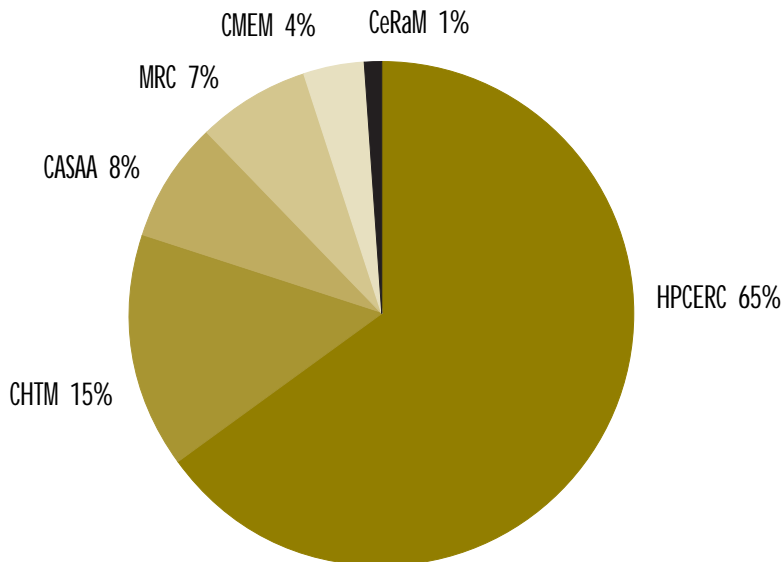
expenditures

During FY98, expenditures at UNM were \$176.2M[◇], of which \$102M were due to the main campus and \$73.8M were due to HSC. This number represents expenses actually incurred for items such as salaries, fringe benefits, materials, services, equipment and travel (excluding F+A costs).

Table 16: UNM Contract and Grant Expenditures FY98

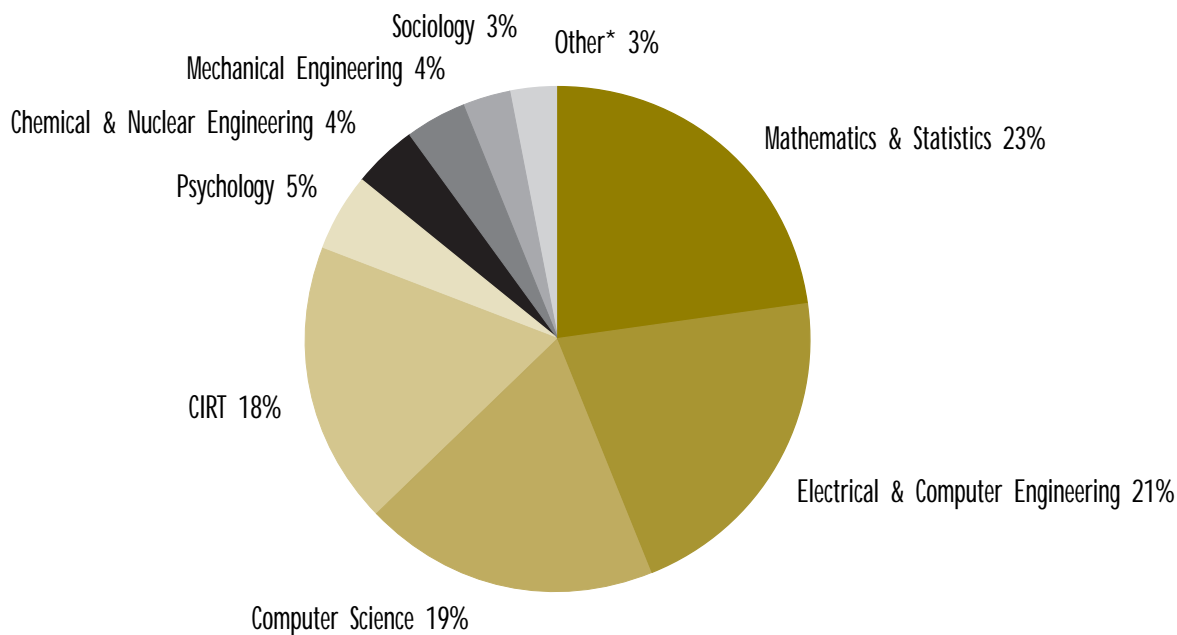
<u>College/School/Division</u>	<u>Expenditures</u>
<i>Main Campus</i>	
Anderson Schools of Management	\$100,649
College of Arts and Sciences	17,265,412
College of Education	8,561,137
College of Fine Arts	17,441
Division of Continuing Education	483,507
School of Architecture and Planning	44,725
School of Engineering	14,005,029
School of Law	943,045
<i>UNM Centers/Institutes (Category II)</i>	
Bureau for Business and Economic Research	175,613
Center on Aging	75,668
Center for Radioactive Waste Management	257,208
Division of Government Research	391,965
Earth Data Analysis Center	480,993
Latin American and Iberian Institute	1,109,016
Microelectronics Research Center	1,973,325
Research Institute for Assistive Technologies	120,988
Southwest Hispanic Research Institute	2,169
Systemic Initiatives in Math and Science Education	763,133
<i>UNM Strategic Research Emphasis Centers (Category III)</i>	
Center on Alcoholism, Substance Abuse and Addictions	2,511,968
Center for High Technology Materials	5,272,250
Center for Micro-Engineered Materials	1,308,393
High Performance Computing Education and Research Center	17,968,260
<i>Branch Campuses</i>	
Gallup	1,165,179
Los Alamos	428,185
Los Alamos Graduate Center	304,936
Taos	29,987
Valencia	1,030,424
Financial Aid	21,192,474
Other‡	5,358,725
<i>Health Sciences Center</i>	
Vice President for HSC and Other‡‡	1,536,530
School of Medicine	65,676,343
College of Nursing	908,861
College of Pharmacy	957,604
Cancer Research and Treatment Center†	4,771,050
Sub Total Main Campus	102,393,178
Sub Total Health Sciences Center	<u>73,850,388</u>
Total	\$176,243,566

Figure 19: Total Expenditures by Centers FY98



HPCERC = High Performance Computing Education and Research Center; CHTM = Center for High Technology Materials; CASAA = Center on Alcoholism, Substance Abuse and Addictions; CMEM = Center for Micro-Engineered Materials; MRC = Microelectronics Research Center; CeRaM = Center for Radioactive Waste Management.

Figure 20: Total Expenditures by Centers Associated with PI's Departments FY98



* *Other* includes Biology, Chemistry, Civil Engineering, Communication and Journalism, Earth and Planetary Sciences, Physics and Astronomy, and Psychiatry.

facilities and administrative costs

Facilities and Administrative Costs (F+A, formerly known as indirect costs or IDC) are overhead funds that are generated while expenditures were incurred during FY98. The following table details the F+A generated by the various colleges, schools and divisions; centers and institutes and branch campuses.

Table 17: F+A Generated FY98

<u>College/School/Division</u>	<u>F+A</u>
<i>Main Campus</i>	
Anderson Schools of Management	\$32,314
College of Arts and Sciences	4,238,941
College of Education	364,610
College of Fine Arts	1,544
Division of Continuing Education	70,274
School of Architecture and Planning	2,906
School of Engineering	4,156,066
School of Law	75,978
<i>Branch Campuses</i>	
Gallup	18,882
Los Alamos	16,058
Los Alamos Graduate Center	149,476
Taos	0
Valencia	72,661
<i>UNM Centers/Institutes (Category II)</i>	
Bureau for Business and Economic Research	24,487
Center on Aging	0
Center for Radioactive Waste Management	226,432
Division of Government Research	35,951
Earth Data Analysis Center	122,660
Latin American and Iberian Institute	67,187
Microelectronics Research Center	437,388
Research Institute for Assistive Technologies	3,914
Southwest Hispanic Research Institute	1,225
Systemic Initiatives in Math and Science Education	125,962
<i>UNM Strategic Research Emphasis Centers (Category III)</i>	
Center on Alcoholism, Substance Abuse and Addictions	528,211
Center for High Technology Materials	1,380,167
Center for Micro-Engineered Materials	318,914
High Performance Computing Education and Research Center	1,794,784
Other‡	466,175
<i>Health Sciences Center</i>	
Vice President for HSC and Other‡‡	69,017
School of Medicine	5,636,577
College of Nursing	81,613
College of Pharmacy	297,584
Cancer Research and Treatment Center†	1,439,499
Sub Total Main Campus	15,330,309
Sub Total Health Sciences Center	8,544,818
Total	\$23,982,728

appendix

THE OFFICE OF RESEARCH SERVICES

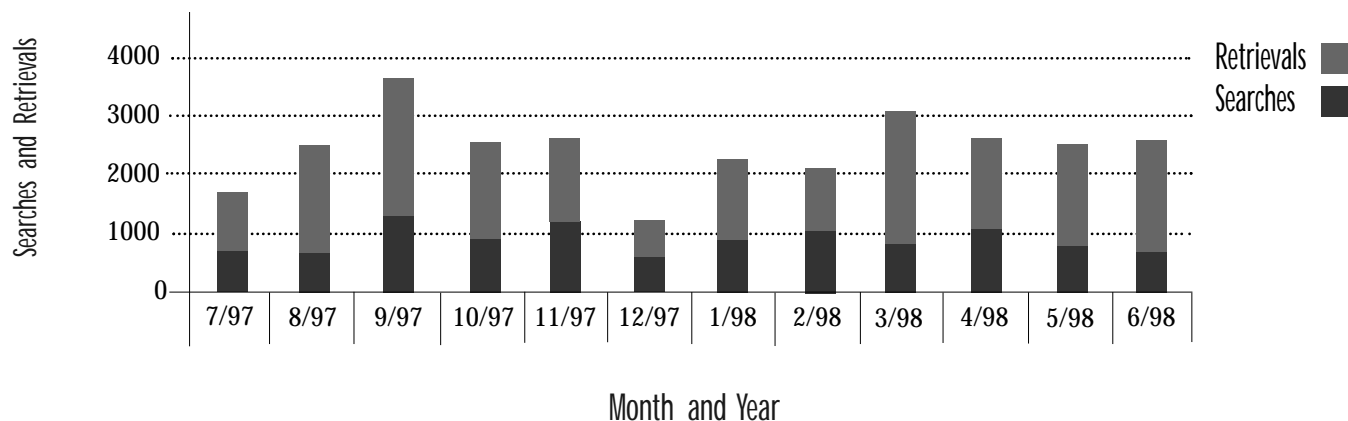
The Office of Research Services (ORS) reviews all proposals from the main campus and branch campuses prior to their submission to funding agencies. The ORS staff works closely with principal investigators to ensure an accurate proposal, with all requisite forms, budgets and certifications, as well as timely turn around. After this internal ORS review, each proposal is signed by the designated University administrator on behalf of the Associate Provost for Research.

Proposals and awards for the Health Sciences Center (HSC) are handled through the Pre-Award Administration Office. The Health Sciences Center includes the School of Medicine, College of Nursing, College of Pharmacy and other programs.

ORS publishes *Research Notes* monthly. *Research Notes* informs readers of limited competitions, changes in rules and regulations and special funding opportunities. ORS is also responsible for various publications including *Faculty Publications and Creative Works*, the *Contract and Grant Awards Report*, the *New Mexico Funding Directory*, *UNM: information overview* and the *Guide for Principal Investigators*.

ORS maintains and develops several databases that are accessible at the ORS Web site including the *GENIUS / SMARTS Researcher Profiling and Funding Matching System*, *MIDAS Databases of Funding Sources* and *CORPS*, the Current Online Restricted Projects System. *GENIUS / SMARTS* allows UNM faculty to record their research profile and receive funding information automatically via email. The UNM research community can access *MIDAS* to read the *NIH Guide*, *Federal Register* or *Commerce Business Daily*, or to search on any number of public and private databases to look for funding sources. Additionally, they can access *CORPS* to determine what contracts and grants are currently being funded on main campus and the branch campuses. Additional information, such as awards and statistics information, current events, limited competitions and policies and procedures, is also available at the ORS Web site (<http://www.unm.edu/~ors>).

Figure 21: MIDAS Usage FY98



references

KEY TO SYMBOLS

◇ *\$176.2M*: approximately 62%, 27%, 11% attributed to research, public service and instruction respectively; see *Figure 7*.

* *UNM Centers/Institutes (Category II)* includes: Bureau of Business and Economic Research, Center on Aging, Center for Radioactive Waste Management, Division of Government Research, Earth Data Analysis Center, Latin American and Iberian Institute, Microelectronics Research Center, Research Institute for Assistive Technologies, Southwest Hispanic Research Center, Systemic Initiative for Math and Science Education.

** *UNM Strategic Research Emphasis Centers (Category III)* includes: Center on Alcoholism, Substance Abuse and Addictions; Center for High Technology Materials; Center for Micro-Engineered Materials; and High Performance Computing, Education and Research Center.

‡ *Other* includes: Computer and Information Resource and Technology, Vice President for Academic Affairs, African American Studies, Associate Provost for Research, Division of Media Technology Services, Economic Development Communications Office, General Honors, General Library, Graduate Studies, Harwood Foundation, KNME-TV, KUNM-FM, Police Department, Special Services Program, Vice President for Student Affairs, Technical Assistance Office and University Art Museum.

‡‡ *Vice President for HSC and Other* includes: Animal Research Facility, Health Sciences Center Library, Health Sciences Ethics Program, Mental Health Center, Carrie Tingley Hospital, Children's Psychiatric Hospital, Health Sciences Associate Vice President for Clinical Affairs and Health Sciences Special Projects.

† *Cancer Research and Treatment Center* includes: New Mexico Tumor Registry.