

**Table B-32. Total R&D expenditures at universities and colleges,
ranked by fiscal year 2000 total R&D expenditures:
fiscal years 1993-2000**

[Dollars in thousands]

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Institution and ranking	1993	1994	1995	1996	1997	1998	1999	2000
Total, all institutions	19,950,563	21,022,253	22,164,533	23,038,788	24,361,885	25,845,936	27,529,206	30,062,371
1 Johns Hopkins U ¹	745,515	784,043	788,687	798,468	829,241	853,620	874,518	901,156
2 U WI-Madison	372,362	392,718	403,541	412,570	419,810	443,695	499,688	554,361
3 University of Michigan	425,868	430,778	443,070	468,876	483,485	496,761	508,619	551,556
4 U CA Los Angeles	277,974	279,869	303,668	354,645	398,865	447,367	477,620	530,826
5 U of Washington	335,329	353,945	389,160	406,472	409,959	438,191	482,659	529,342
6 U CA San Diego	307,051	331,901	357,333	371,509	376,655	418,790	461,632	518,559
7 U CA Berkeley ²	284,346	289,632	291,200	316,320	377,376	420,426	451,539	518,514
8 Stanford University	306,676	318,561	318,871	351,526	395,310	410,309	426,549	454,780
9 U CA San Francisco	314,599	312,393	329,742	320,757	343,384	379,970	417,095	443,013
10 U of Pennsylvania	233,829	251,461	272,393	288,430	296,141	333,477	383,569	430,389
Total, 1st 10 institutions	3,603,549	3,745,301	3,897,665	4,089,573	4,330,226	4,642,606	4,983,488	5,432,496
11 Pennsylvania State U	282,659	302,997	330,881	337,938	339,955	362,643	379,402	427,575
12 MA Institute of Tech ²	377,413	374,768	370,800	380,612	410,930	413,098	420,306	426,299
13 University of Minnesota	332,033	317,865	336,524	341,179	363,095	360,323	371,384	411,380
14 Cornell University ²	310,949	312,683	343,786	339,534	351,030	363,511	395,552	410,393
15 Texas A&M University	322,691	355,750	362,539	366,983	366,798	393,720	402,203	397,268
16 U of IL Urbana-Champaign	252,811	245,407	246,174	268,995	286,470	329,266	358,247	373,024
17 U CA Davis	223,758	230,147	244,116	254,604	267,341	288,796	307,950	364,789
18 Washington University	179,329	192,378	209,100	218,640	262,426	269,550	315,606	362,216
19 Ohio State University	221,460	230,515	246,287	262,147	289,100	301,518	322,810	361,399
20 Duke University	202,434	220,220	218,703	242,235	251,536	282,388	348,274	356,625
Total, 1st 20 institutions	6,309,086	6,528,031	6,806,575	7,102,440	7,518,907	8,007,419	8,605,222	9,323,464
21 University of Colorado	193,217	234,267	243,932	251,301	269,816	311,203	318,618	353,528
22 University of Arizona	235,528	269,939	292,351	279,656	285,278	302,328	320,245	345,090
23 Harvard University	257,207	278,459e	276,422	282,443	299,961	306,100	326,193	341,810
24 Baylor Col of Medicine	172,252	186,865	190,375	184,613	192,744	216,528	272,198	334,175
25 Columbia U in City of NY	204,710	236,417	244,991	236,403	244,337	267,007	279,587	319,693
26 University of Florida	142,966	148,592	199,216	255,099	272,373	274,862	304,447	313,692
27 Georgia Institute of Tech	175,873	193,630	211,875	225,633	240,237	259,233	263,725	304,511
28 U of Southern California	200,822	207,275	222,159	244,258	259,246	268,806	280,741	300,445
29 Yale University	226,850	224,939	231,819	234,901	245,536	262,680	274,050	296,706
30 University of Pittsburgh	178,778	185,377	186,457	189,826	202,533	213,842	249,477	294,809
Total, 1st 30 institutions	8,297,289	8,693,791	9,106,172	9,486,573	10,030,968	10,690,008	11,494,503	12,527,923
31 NC State University	155,624	173,407	180,191	190,748	229,292	254,254	270,621	277,946
32 U TX at Austin	249,158	260,602	228,676	241,606	239,021	244,843	258,122	272,811
33 U of NC Chapel Hill	179,157	201,622	209,118	208,529	221,380	235,296	252,767	269,072
34 University of Georgia	172,274	187,849	206,256	209,357	225,457	217,945	237,493	258,476
35 U MD at College Park	229,344	198,348	209,945	216,957	215,927	223,190	257,628	252,429
36 Louisiana State U System	158,823	165,857	186,723	196,328	205,441	208,928	225,808	251,233
37 Northwestern University	162,299	169,949	173,731	187,262	200,943	223,235	233,809	245,774
38 U of Iowa	148,811	157,036	164,893	178,228	184,414	199,063	207,135	236,944
39 Purdue University	149,032	172,733	203,419	206,951	206,588	216,479	226,411	234,536
40 U of Alabama Birmingham	133,790	141,735	158,779	170,193	203,758	227,720	232,115	233,461
Total, 1st 40 institutions	10,035,601	10,522,929	11,027,903	11,492,732	12,163,189	12,940,961	13,896,412	15,060,605
41 Indiana University	127,877	136,617	145,512	154,260	165,198	171,754	194,790	227,737
42 Michigan State University	150,861	163,285	182,009	182,589	190,178	193,611	207,912	227,734
43 Rutgers the State U NJ	161,025	173,211	192,263	185,103	183,038	197,053	213,838	225,268
44 U of MD Baltimore	111,772	110,866	107,874	122,207	134,808	143,321	140,903	224,346
45 California Inst of Tech ²	115,439	127,946	138,016	157,005	177,888	185,066	212,216	222,666
46 Emory University	120,125	136,186	148,178	149,168	163,619	172,884	189,170	206,070
47 University of Kentucky	102,911	105,539	111,934	118,721	124,804	161,346	174,034	202,392
48 University of Rochester ²	161,810	167,485	158,539	144,914	155,311	174,617	177,126	197,335
49 U of IL Chicago	106,952	113,741	119,381	121,540	139,296	151,739	175,093	195,839
50 Case Western Reserve U	124,691	133,272	141,089	143,435	161,825	176,330	182,332	193,057
Total, 1st 50 institutions	11,319,064	11,891,077	12,472,698	12,971,674	13,759,154	14,668,682	15,763,826	17,183,049

See explanatory information and SOURCE at end of table.

**Table B-32. Total R&D expenditures at universities and colleges,
ranked by fiscal year 2000 total R&D expenditures:
fiscal years 1993-2000**

[Dollars in thousands]

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Institution and ranking	1993	1994	1995	1996	1997	1998	1999	2000
51 VA Polytech Inst & St U	135,771	148,313	148,501	143,815	169,808	167,118	169,250	192,672
52 U TX SW Med Ctr at Dallas	114,258	118,398	125,301	130,162	140,589	153,711	165,520	189,216
53 SUNY at Buffalo	128,203	141,092	143,768	137,701	135,663	151,650	166,823	187,692
54 University of Utah	105,263	103,771	105,642	114,423	135,911	142,956	153,843	187,661
55 New York University	129,774	139,202	148,935	145,874	153,288	156,452	167,179	182,205
56 U TX MD Anderson Cncr Ctr ..	127,475	122,357	122,181	120,964	129,578	141,260	155,126	182,196
57 Iowa State University ²	148,459	155,982	154,932	151,914	155,433	156,766	161,301	175,558
58 University of Virginia	115,786	129,504	136,679	97,334	114,085	139,135	157,487	174,522
59 University of Cincinnati	92,512	93,599	91,159	127,733	141,604	159,695	153,002	172,085
60 Vanderbilt University	96,181	110,105	111,224	117,003	122,598	135,214	149,675	171,926
Total, 1st 60 institutions	12,512,746	13,153,400	13,761,020	14,258,597	15,157,711	16,172,639	17,363,032	18,998,782
61 University of Chicago ²	111,877	121,902	126,261	135,693	150,531	151,635	162,805	170,678
62 U of Tennessee System	143,662	153,340	151,316	149,331	154,230	150,694	158,930	163,690
63 SUNY at Stony Brook	107,817	113,251	122,611	126,377	136,624	141,766	148,982	163,307
64 Univ of Hawaii at Manoa	73,961	70,079	78,429	111,202	120,107	148,007	156,810	161,300
65 University of Connecticut	133,054	136,740	139,956	147,522	140,840	134,448	134,986	161,084
66 U of Missouri Columbia	106,193	121,256	122,870	119,079	128,178	136,061	149,002	158,861
67 U CA Irvine	100,631	104,778	109,908	119,647	119,669	130,415	141,842	158,437
68 Wayne State University	85,627	94,632	106,140	112,151	124,383	138,456	146,832	156,814
69 Boston University	91,158	90,504	103,709	110,266	120,392	130,054	141,102	154,029
70 Colorado State University	115,385	112,457	122,172	126,701	128,580	140,179	150,281	152,279
Total, 1st 70 institutions	13,582,111	14,272,339	14,944,392	15,516,566	16,481,245	17,574,354	18,854,604	20,599,261
71 University of Oklahoma	92,019	95,747	102,337	109,071	114,387	126,861	142,085	150,902
72 Mt Sinai Sch Med	75,337	86,179	92,008	92,405	94,776	109,448	127,765	149,846
73 University of Kansas	85,134	95,701	100,702	100,649	108,893	117,115	132,752	148,670
74 University of Miami	120,875	121,475	128,736	130,056	135,888	136,972	139,608	145,795
75 U of South Florida	75,322	86,186	92,758	94,157	99,649	104,325	123,961	145,397
76 U Med & Dent of NJ	76,410	86,866	96,365	98,535	110,383	114,491	126,277	140,951
77 Oregon State University	114,004	119,772	123,402	131,334	131,467	138,240	139,285	140,751
78 Yeshiva University	89,636	92,881	94,739e	91,430	96,819	99,000	111,771	139,618
79 Carnegie Mellon U ²	118,261	122,580	125,659	136,514	134,954	137,450	142,174	137,980
80 U of Nebraska at Lincoln	94,959	102,746	107,721	102,460	117,100	118,857e	131,046	136,023
Total, 1st 80 institutions	14,524,068	15,282,472	16,008,819	16,603,177	17,625,561	18,777,113	20,171,328	22,035,194
81 Princeton University ²	95,561	99,287	104,157	112,380	114,549	115,996	124,237	134,875
82 University of New Mexico	76,736	90,315	129,354	116,618	116,152	125,910	115,850	133,980
83 Georgetown University	73,785	82,661	102,421	112,582	119,114	116,611	111,426	133,211
84 Mississippi State U	70,300	76,201	72,145	84,124	84,157	100,410	110,896	132,503
85 Oregon Health Sciences U	56,860	63,875	74,726	80,333	98,319	109,374i	120,429i	131,486
86 Rockefeller U, The	74,396	74,458	99,348	105,595	109,999	115,494	121,519	124,138
87 UT Houston Hlth Sci Ctr	58,786	66,432	74,664	82,803	95,638	101,993	105,307	119,587
88 U CA Santa Barbara	68,775	73,619	78,737	91,284	91,149	96,034	104,561	118,154
89 Clemson University	78,569	76,572	82,883	84,836	84,034	90,150	99,341	114,903
90 Arizona State University	66,142	62,563	77,009	84,653	80,740	92,019	107,184	108,117
Total, 1st 90 institutions	15,243,978	16,048,455	16,904,263	17,558,385	18,619,412	19,841,104	21,292,078	23,286,148
91 Tufts University	68,519e	73,749	77,093	79,356	83,568	92,130	100,872	105,783
92 Florida State University	62,929	76,588	86,060	78,125	95,908	94,463	97,673	105,095
93 Washington State U	92,434	94,819	96,810	98,641	97,700	95,422	96,943	104,796
94 U of South Carolina	57,062	74,001	79,710	78,619	77,855	92,785	105,835	104,398
95 U TX Hlth Sci Ctr San Ant	75,239	83,535	87,336	83,028	86,019	82,357	87,804	103,824
96 Utah State University	75,835	79,085	82,468	81,709	91,292	94,228	95,364	103,161
97 U of Alaska Fairbanks	66,796	76,093	72,216	71,381	70,943	75,606	88,825	102,500
98 U TX Med Br at Galveston	67,998	72,773	72,569	73,759	77,683	86,488	93,580	97,896
99 U MA Worcester	60,602	61,790	62,441	63,341	71,346	82,950	83,040	97,587
100 U MA Amherst	64,111	65,344	66,082	73,678	85,811	89,970	86,576	97,052
Total, 1st 100 institutions	15,935,503	16,806,232	17,687,048	18,340,022	19,457,537	20,727,503	22,228,590	24,308,240

See explanatory information and SOURCE at end of table.

**Table B-32. Total R&D expenditures at universities and colleges,
ranked by fiscal year 2000 total R&D expenditures:
fiscal years 1993-2000**

[Dollars in thousands]

Institution and ranking	1993	1994	1995	1996	1997	1998	1999	2000
101 Auburn University	68,151	84,769	85,566	87,358	85,460	87,768	80,544	92,612
102 Kansas State University	62,562	65,696	71,103	71,222	76,896	81,233	85,580	91,790
103 Tulane University	75,634	83,885	100,231	83,660	86,427	87,858	87,324	89,785
104 Thomas Jefferson U	51,106	56,932	65,705	69,154	69,228	69,460	78,410	89,626
105 Oklahoma State University	72,920	70,808	75,906	82,960	62,480	71,466	83,108	88,285
106 Virginia Commonwealth U	77,097	76,597	76,529	79,018	78,948	80,538	79,785	88,220
107 Wake Forest University	57,646	52,581	68,388	75,331	75,290	76,893	82,827	86,840
108 U CA Riverside	59,065	60,995	62,539	71,495	75,486	79,775	75,821	83,580
109 SUNY at Albany	37,860	43,353	38,771	66,247	57,415	50,568	64,278	82,792
110 Woods Hole Oceanogr Inst	81,519	81,345	80,235	73,015	77,407	75,011	71,722	81,547
Total, 1st 110 institutions	16,579,063	17,483,193	18,412,021	19,099,482	20,202,574	21,488,073	23,017,989	25,183,317
111 Brown University	57,152	55,146	56,269	67,621	71,411	73,977	76,330	81,476
112 New Mexico State Univ	85,974	80,286	81,455	76,493	81,024	77,370	79,877	79,695
113 Dartmouth College	59,920	57,845	50,525	52,945	61,619	64,964	69,522	78,874
114 University of Delaware	52,627	50,734	53,161	54,154	65,095	69,896	73,521	74,711
115 U of New Hampshire	39,555	43,707	42,548	45,693	45,886	52,359	57,613	72,108
116 U of Arkansas Main	58,325	57,815	59,410	59,753	64,868	71,686	61,585	70,817
117 Medical Col of Wisconsin	48,689	49,604	44,169	47,365	51,629	56,021	61,446	70,581
118 George Washington U	41,177	38,429	43,488	49,263	55,158	74,481	66,757	69,300
119 Texas Tech University	38,119	39,455	40,824	43,000	46,645	53,126	58,488	68,224
120 Rush University	34,039	39,736	44,322	48,772	49,969	55,277	60,957	68,189
Total, 1st 120 institutions	17,094,640	17,995,950	18,928,192	19,644,541	20,795,878	22,137,230	23,684,085	25,917,292
121 West Virginia University	54,271	58,604	53,072	54,844	63,312	62,362	63,392	66,130
122 Montana St U Bozeman	32,911	36,149	47,998	50,097	49,440	52,292	55,475	65,324
123 Med U of South Carolina	42,543	46,249	57,495	54,426	57,111	57,940	55,819	65,243
124 University of Louisville	19,496	20,475	22,835	29,655	33,434	39,147	57,051	64,062
125 University of Vermont	49,839	51,775	54,065	53,659	59,526	57,832	64,049	63,391
126 University of Idaho	44,655	49,338	52,529	56,198	57,582 i	58,967	62,531	61,347
127 U of Nevada Reno	38,564	42,176	46,783	47,977	52,703	45,476	47,939	56,248
128 U CA Santa Cruz	37,886	42,457	44,294	51,062	49,428	56,533	52,902	56,212
129 San Diego St University	32,493	29,309	35,287	43,201	40,586	41,915	45,579	55,002
130 U of Maine	24,879	29,393	31,901	34,684	33,144	33,106	41,452	54,821
Total, 1st 130 institutions	17,472,177	18,401,875	19,374,451	20,120,344	21,292,144	22,642,800	24,230,274	26,525,072
131 Temple University	53,686	56,308	54,742	56,533	54,500	63,024	53,940	52,466
132 U of Nebraska Med Ctr	31,669	33,997	38,287	42,612	45,365	50,453	54,205	51,547
133 North Dakota State U	34,971	36,977	40,677	43,661	35,197	40,007	44,696	50,063
134 U of Arkansas Medical Sci	15,686	22,762	28,389	33,354	37,336	39,487	44,066	49,074
135 University of Houston	55,038	43,131	44,993	49,178	45,916	42,297	43,370	48,902
136 U of Rhode Island	45,942	46,631	43,103 i	39,575	40,522	37,940	44,452	48,135
137 NJ Inst of Technology	23,781	29,983	30,940	39,110	38,728	40,982	40,982	47,895
138 Brandeis University	36,213	34,835	36,451	36,760	40,145	44,589	48,305	47,658
139 U of Central Florida	33,922	33,599	37,147	21,488	38,592	35,530	42,466	47,646
140 Medical Col of Georgia	24,935	28,020	31,369	35,971	38,725	39,806	41,103	45,596
Total, 1st 140 institutions	17,828,020	18,768,118	19,760,549	20,518,586	21,707,170	23,076,915	24,687,859	27,014,054
141 U Mississippi, All Camp	23,734	25,000	26,862	26,215	26,231	28,079	17,298	44,927
142 University of Wyoming	32,556	38,464	40,470	40,553	47,753	48,500	47,197	43,094
143 Rice University	30,403	33,309	34,446	39,696	43,601	41,067	41,069	41,840
144 MCP Hahnemann University ..	42,752	45,218	41,237	48,790	85,748	95,984	27,516	41,670
145 U of Alabama Huntsville	34,153	31,482	36,736	38,176	32,817	36,946	40,203	41,274
146 Rensselaer Polytech Inst	44,132	37,191	37,247	37,917	38,803 e	38,560	39,034	40,762
147 Syracuse University	32,443	38,650	33,939	34,322	34,642	37,322	39,640	39,468
148 University of Dayton	45,052	47,768	46,084	43,188	45,437	45,000	36,937	39,345
149 Naval Postgrad School	24,296	26,538	27,510	30,706	32,333	34,095	34,095 e	37,502 i
150 Georgia State University	12,133	17,100	17,867	18,114	27,069	31,153	36,523	36,600
Total, 1st 150 institutions	18,149,674	19,108,838	20,102,947	20,876,263	22,121,604	23,513,621	25,047,371	27,420,536

See explanatory information and SOURCE at end of table.

**Table B-32. Total R&D expenditures at universities and colleges,
ranked by fiscal year 2000 total R&D expenditures:
fiscal years 1993-2000**

[Dollars in thousands]

Institution and ranking	1993	1994	1995	1996	1997	1998	1999	2000
151 S Illinois U Carbondale	26,376	30,497	29,631	28,578	30,043	30,490	33,169	36,354
152 University of Oregon	30,738	31,170	30,386	33,654	31,487	33,315	32,695	35,934
153 Northeastern University	18,517	19,104	19,850	17,980	19,822	26,385	30,209	35,340
154 U PR Mayaguez Campus	23,156	22,967	40,393	44,502	48,857	51,181	55,648	34,683
155 Florida International U	11,443	13,520	16,375	16,856	17,359	17,880	25,061	34,649
156 University of Notre Dame	23,745	22,833	23,332	24,556	24,116	28,873	30,483	34,524
157 Col of William & Mary	21,793	20,443	20,597	25,183	24,051	25,966	31,322	33,299
158 U of LA Lafayette	11,319	11,099	13,416	13,429	22,381	24,768	30,735	32,692
159 CA St U Long Beach	5,342 i	5,509 i	5,676 i	5,843	5,843	18,563 i	31,283	32,551
160 University of Alabama, The	23,149	21,960	23,479	21,806	23,671	23,935	28,909	31,847
Total, 1st 160 institutions	18,345,252	19,307,940	20,326,082	21,108,650	22,369,234	23,794,977	25,376,885	27,762,409
161 SUNY Hlth Sci Ctr Brklyn	27,645	27,773	30,781	30,254 i	29,727	27,517	28,840	31,626
162 U MD Ctr for Environ Sci	19,055	19,817	21,100	21,448	21,377	24,038	26,816	31,605
163 C R Drew U of Med & Sci	6,852	9,347	12,500	16,386	17,205 e	17,205 e	24,484	31,045
164 Saint Louis University	20,826	20,844	22,686	25,099	26,517	26,943	27,817	31,002
165 Loyola U of Chicago	29,232	36,830	33,098 i	29,365	30,994	34,241	29,001	30,034
166 U MD Biotechnology Inst	--	14,839	18,062	22,933	29,117	31,861	31,172	29,946
167 Univ of Montana, The	15,169	16,908	18,881	21,421	21,151	20,133	24,372	29,590
168 Wright State University	19,791	19,388	18,661	17,381	17,291	19,676	23,131	29,092
169 Boston College	10,731	10,724	13,298	14,504	14,746	17,774	21,726	27,767
170 Univ of Memphis, The	11,740	13,305	14,642	18,429	21,271	22,486	24,280	27,381
Total, 1st 170 institutions	18,506,293	19,497,715	20,529,791	21,325,870	22,598,630	24,036,851	25,638,524	28,061,497
171 Howard University	18,427	19,836	24,819	28,894	27,873	23,673	23,557	27,254
172 Michigan Tech University	18,696	21,786	22,798	23,882	24,140	26,522	28,074	27,204
173 George Mason University	15,830	18,871	22,221	23,230	19,126	22,543	26,766	26,793
174 SUNY Col Env Sci Frstry	21,856	21,839	21,904 i	21,969	20,540	22,036	25,385	26,663
175 U MD Baltimore County	7,544	8,117	11,868	14,304	19,799	18,155	21,854	26,044
176 U of Missouri Rolla	18,025	19,706	21,220	20,235	20,895	21,740	25,893	25,968
177 Desert Research Institute	21,187	21,459	22,851	20,100	20,000	21,500	23,376	25,877
178 TX A&M U Sys Hlth Sci Ctr	--	--	--	--	--	--	--	25,736
179 Lehigh University	30,869	29,188	35,117	34,780	26,451	26,115	27,902	25,506
180 Old Dominion University	14,097	14,911	14,439	17,577	18,583	20,150	23,030	25,058
Total, 1st 180 institutions	18,672,824	19,673,428	20,727,028	21,530,841	22,796,037	24,239,285	25,864,361	28,323,600
181 Drexel University	20,314	20,886	19,389	19,322	19,267	19,603	22,397	24,876
182 Loma Linda University	9,030	9,204	9,270	10,837	13,396	12,788	18,818	24,369
183 U of Nevada Las Vegas	19,373	15,486	17,268	16,893	15,628	16,912	20,170	24,215
184 Unif Svcs U of Hlth Sci	30,846	27,334	39,612	36,851	18,812	20,309	22,898	23,987
185 Ohio University	15,452	16,425	19,713	18,329	21,008	21,469	21,437	23,767
186 NM Inst Mining & Tech	24,040	20,945	19,584	20,580	21,974	22,791	26,061	23,636
187 New York Medical College	18,491	18,725	18,424	16,372	16,890	19,159	20,436	23,348
188 Eastern VA Med School	15,818	17,873	17,823	17,730	19,109	21,672	24,096	23,299
189 Colorado School of Mines	13,644	13,880	16,585 i	19,291	19,221	20,681	21,715	21,795
190 Florida A&M University	22,777	24,691	20,797	22,474	25,415	19,066	21,622	21,612
Total, 1st 190 institutions	18,862,609	19,858,877	20,925,493	21,729,520	22,986,757	24,433,735	26,084,011	28,558,504
191 U PR Med Sci Campus	14,622	17,765	17,354	15,005	15,575	19,830	17,114	21,373
192 San Jose State University	21,005	21,005 i	21,005 i	21,005 i	21,005 i	21,005 e	21,005 e	21,005 e
193 U TX at El Paso	12,480	12,062	12,705	13,548	15,850	14,092	21,961	20,877
194 U WI-Milwaukee	18,245	19,180	19,684	19,679	19,995	20,807	21,325	20,010
195 U of Missouri Kansas City	10,976	11,420	11,727	12,597	11,734	12,875	14,331	19,647
196 Florida Atlantic U	11,331	11,236	13,776	10,576	10,521	14,265	17,151	19,535
197 University of Akron	17,558	16,783	15,589	15,507	17,999	16,326	16,279	19,495
198 U MA Lowell	14,292	15,155	15,505	18,515	18,695	19,372	19,413	19,334
199 OR Grad Inst Sci & Tech	18,288	20,859	22,141	21,412	20,045	21,047 e	19,818	18,856
200 SUNY at Binghamton	13,760	15,803	17,106	18,500	19,310	20,754	17,998	18,661
Total, 1st 200 institutions	19,015,166	20,020,145	21,092,085	21,895,864	23,157,486	24,614,108	26,270,406	28,757,297

See explanatory information and SOURCE at end of table.

**Table B-32. Total R&D expenditures at universities and colleges,
ranked by fiscal year 2000 total R&D expenditures:
fiscal years 1993-2000**

[Dollars in thousands]

Institution and ranking	1993	1994	1995	1996	1997	1998	1999	2000
201 Mercer University	13,771	14,201	11,181	13,641	13,704	14,995	17,250	18,138
202 U Southern Mississippi	7,334	8,413	8,827	9,112	9,078	11,117	16,211	17,706
203 U of North Dakota	19,204	18,732	18,940	28,188	20,899	16,938	16,999	17,343
204 Brigham Young University	13,587	13,859	14,102	11,791e	11,502e	11,963	23,985	17,237
205 SUNY Upstate Med U	12,453	11,751	13,177	14,093	14,914	14,089	15,099	17,095
206 CUNY City College	20,401	18,831	22,695	22,166	22,526	21,147	15,888	17,059
207 Clark Atlanta University	12,057	12,709	25,245	34,566	28,893	29,637	19,467	16,891
208 Morehouse School of Med	7,448	7,522	7,896	13,206	13,218	13,614	13,622	16,889
209 South Dakota State U	14,050	14,083	13,448	14,925	15,671	15,631	15,599	16,784
210 Portland State University	5,860	7,146	7,920	9,376	9,285	10,507	13,940	16,494
Total, 1st 210 institutions	19,141,331	20,147,392	21,235,516	22,066,928	23,317,176	24,773,746	26,438,466	28,928,933
211 Wichita State University	6,407	7,483	9,691	9,904	11,797	13,117	14,555	16,213
212 Stevens Inst of Tech	14,004	13,460	13,766	15,249	12,179	12,944	13,794	15,879
213 Creighton University	9,109	9,645	11,036	11,641	13,127	15,011	16,015	15,841
214 U TX at Dallas	13,371	14,492	14,027 i	13,562	14,561	15,211	16,028	15,684
215 Polytechnic University	9,424	11,869	10,897	10,964	8,452	6,373	9,050	15,500
216 CUNY Hunter College	10,381	12,264	12,421	15,021	14,037	13,497	15,934	15,047
217 Western Michigan U	8,630	9,145	9,033	9,606	10,035	11,532	13,727	14,230
218 Med Col of Ohio	12,285	12,471	13,008	13,367	13,469	11,425	12,467	13,747
219 Illinois Inst of Tech	8,252	8,853	11,923	16,000	16,182	14,013	13,438	13,734
220 University of Toledo	8,441	8,043	7,436	8,180e	8,729	11,512	11,819	13,694
Total, 1st 220 institutions	19,241,635	20,255,117	21,348,754	22,190,422	23,439,744	24,898,381	26,575,293	29,078,502
221 NC A&T State University	12,090	13,637	15,774	15,991	15,817	14,816	14,741	13,400
222 Northern Arizona U	9,051	10,290	10,856	11,572	10,800	11,652	11,857	12,570
223 Cal Poly St U	4,352	4,676 i	5,000 i	5,324 i	5,648 i	5,972	11,892	12,133
224 U MA Boston	9,745	10,962	9,146	10,898	11,194	11,491	11,132	12,058
225 Jackson State University	4,371	4,697	4,960 i	5,224	5,135	6,111	8,823	12,027
226 CA St U Fresno	3,835	5,072 i	6,309 i	7,546 i	8,785	10,345	11,450	11,598
227 Albany Medical College	11,845	10,324	14,981	7,888	6,965	8,236	10,377	11,522
228 Tennessee State U	5,252	6,916	7,431	9,137	8,629	9,329	10,762	11,285
229 Kent State University	12,075	11,312	10,802	11,497	11,439	12,690	11,083	10,817
230 U TX at Arlington	14,834	17,453	21,135	24,010	37,509	19,075	11,450	10,723
Total, 1st 230 institutions	19,329,085	20,350,456	21,455,148	22,299,509	23,561,665	25,008,098	26,688,860	29,196,635
231 Miami University (OH)	4,919	6,731	7,137	8,847	9,644	6,738	10,964	10,674
232 Inst of Paper Sci & Tech	8,344	8,995	9,640	12,532 i	15,424e	15,424e	10,533e	10,533e
233 Worcester Polytech Inst	11,484	11,602	11,611	9,407	10,710	9,637	9,618	10,315
234 U TX at San Antonio	3,286	3,982	4,760 i	5,538	15,890	7,220	7,780	10,292
235 Cleveland State U	9,803	10,570	10,496	10,690 i	10,884e	11,211e	11,893e	10,214
236 U North TX Hlth Sci Ctr	5,718	5,475	5,381	6,499	7,258	8,921	9,689	10,131
237 University of Tulsa	7,889	7,945	8,107	9,565	9,776	8,235	10,040	10,054
238 U of Missouri St Louis	4,681	6,664	7,503	7,600	8,150	9,462	10,294	9,898
239 U of South Alabama	12,650	13,917	13,426	14,873	13,083	11,990	11,990e	9,865
240 Southern Methodist U	7,037	8,277	7,595	9,050	8,220	7,964	9,401	9,713
Total, 1st 240 institutions	19,404,896	20,434,614	21,540,804	22,394,110	23,670,704	25,104,900	26,791,062	29,298,324
241 Prairie View A&M U	5,931	8,306	8,019	10,621	9,768	9,952	10,157	9,464
242 Meharry Medical College	9,283	10,336	10,738	11,212	11,212e	11,212e	9,460	9,460e
243 Catholic U of America	7,926	7,542	7,670	7,427	8,845	9,418	13,317	9,329
244 Hampton University	4,597	5,342	6,344	3,854	8,002	7,140	7,472	9,323
245 U PR Rio Piedras Campus	5,502	5,434	5,554	6,116	6,671	9,959	9,885	9,308
246 University of North Texas	9,026	10,110	10,616	11,250	10,678	8,813	7,487	9,108
247 CA St U Los Angeles	3,523	3,025 i	2,527 i	2,029 i	1,531 i	1,033 i	535	9,062
248 New Mexico Highlands U	291	1,485	2,035 i	2,585	2,627 i	2,669 i	2,712	8,947
249 Idaho State University	4,119	6,052	6,092	8,732	5,495	10,016	5,642	8,899
250 Tuskegee University	5,500	7,121	7,446	9,061	33,046	37,354	9,223	8,893
Total, 1st 250 institutions	19,460,594	20,499,367	21,607,845	22,466,997	23,768,579	25,212,466	26,866,952	29,390,117

See explanatory information and SOURCE at end of table.

**Table B-32. Total R&D expenditures at universities and colleges,
ranked by fiscal year 2000 total R&D expenditures:
fiscal years 1993-2000**

[Dollars in thousands]

Institution and ranking	1993	1994	1995	1996	1997	1998	1999	2000
251 Tennessee Tech U	9,478	9,357	10,184	9,188	9,053	9,661	9,204	8,878
252 Teachers Col, Columbia U	79	468	736 i	1,005	1,381	6,775	7,206	8,561
253 Western Illinois U	14,448	13,780	14,009	13,517	14,152	15,882	10,049	8,489
254 East Carolina University	7,360	8,245	7,772	6,817	6,600	7,644	9,014	8,461
255 University of Denver	8,595	6,671	11,091	8,349	9,019	10,589	10,247	8,383
256 Southern U A&M All Camp	6,837	6,512	9,639	10,748	10,249	9,063	9,296	8,302
257 Alabama A&M University	9,316	11,098	9,417	9,615 i	9,813e	14,143	11,562	8,238
258 U of LA Monroe, The	2,644	5,282	5,409	6,134	7,112	6,140	8,135	8,135e
259 Alcorn State University	3,129	3,099	3,233 i	3,368	4,243 i	5,119	5,223	8,034
260 U of NC Wilmington	5,701	6,002 i	6,303 i	6,604 i	6,905 i	7,208	7,647	7,859
Total, 1st 260 institutions	19,528,181	20,569,881	21,685,638	22,542,342	23,847,106	25,304,690	26,954,535	29,473,457
261 U of NC Charlotte	5,036	5,362 i	5,688 i	6,014 i	6,340 i	6,669	9,041	7,790
262 Air Force Inst of Tech	3,252	7,057	5,960	5,877	7,619	4,240	4,316	7,771
263 Clarkson University	10,586	10,412	9,314	8,264	6,964	6,345	6,989	7,751
264 Marquette University	4,896	5,322	5,588	5,946	5,855	6,763	6,469	7,653
265 Finch U Hlth Sci Chicago	6,928	7,057	6,692	7,022	6,672	6,672e	6,764	7,587
266 Northern Illinois U	11,215	11,445	12,600	11,674	7,466	6,725	6,455	7,431
267 Texas A&M Univ Kingsville	3,863	4,553 i	5,243 i	5,933 i	6,623 i	7,317	6,397	7,404
268 U of Houston Clear Lake	5,801	4,979 i	4,157 i	3,335 i	2,513 i	1,691	5,963	7,091
269 U MA Dartmouth	2,340	3,134	3,709	4,092	4,197	4,902	5,820	6,905
270 East Tennessee State U	1,927	2,283	2,205	2,255	2,252	3,152	3,351	6,494
Total, 1st 270 institutions	19,584,025	20,631,485	21,746,794	22,602,754	23,903,607	25,359,166	27,016,100	29,547,334
271 Alfred University	4,479	4,712	4,667	4,217	3,694	5,275	5,857	6,442
272 Oakland University	6,096	6,285	7,168	6,832	6,598	7,272	6,422	6,422e
273 CUNY Brooklyn College	2,181	1,783	2,436	2,800	2,969	3,132e	5,293	6,342
274 U of West Florida	1,239	1,850 i	2,461 i	3,072 i	3,683 i	4,294	4,588	6,248
275 Marshall University	604	540	206	234	180	25	66	6,231
276 CA St U Northridge	6,583	5,702 i	4,821 i	3,940 i	3,059 i	2,175	3,230	6,190
277 Florida Inst of Tech	5,866	4,384	7,973	8,013	5,077	5,848	5,830	6,058
278 Texas A&M U Corpus Chri	--	--	--	--	--	--	--	5,999
279 SD Sch of Mines & Tech	4,150	4,718	4,795	5,015	4,301	4,550	4,161	5,743
280 Harvey Mudd College	1,944	2,569 i	3,194 i	3,819 i	4,444 i	5,069 i	5,699e	5,699e
Total, 1st 280 institutions	19,617,167	20,664,028	21,784,515	22,640,696	23,937,612	25,396,806	27,057,246	29,608,708
281 U Ctrl Del Caribe Esc Med	1,977	2,139	2,897	2,626	2,456	3,558 i	4,660	5,677
282 Wesleyan University	4,804	5,112	5,093	5,245	5,927	5,146	5,373	5,673
283 Humboldt State University	3,223 i	3,461 i	3,699 i	3,937 i	4,175 i	4,417	5,557	5,557e
284 Stephen F Austin St U	1,771	2,820	3,392	3,990	5,083	4,213	4,892	5,289
285 Villanova University	1,670	1,848	1,996	2,040	2,141	4,714	3,950	5,280
286 San Francisco State U	5,459	5,383 i	5,307 i	5,231 i	5,155 i	5,079 i	5,000e	5,223e
287 New School University	1,559	4,383	4,592 i	4,801 i	5,011	3,705	5,230	5,209
288 Rose-Hulman Inst of Tech	575	667 i	759 i	851 i	943 i	1,035 i	1,132	4,994
289 Wellesley College	1,731 i	1,747	1,782	4,944	4,943	4,943e	4,943 i	4,943 i
290 U of Nebraska at Omaha	1,397	1,493 i	1,589 i	1,685 i	1,781 i	1,879	4,097	4,923
Total, 1st 290 institutions	19,641,333	20,693,081	21,815,621	22,676,046	23,975,227	25,435,495	27,102,080	29,661,476
291 U of Alaska Anchorage	0e	0 i	0 i	0 i	0 i	0e	4,782	4,782e
292 Rochester Inst of Tech	6,331	11,528	6,370	8,118	8,398	8,133e	9,340e	4,755
293 U of South Dakota	3,996	2,879	3,149	5,500	4,586	4,959	5,762	4,742
294 U.S. Air Force Academy	1,956	2,397 i	2,838 i	3,279 i	3,720 i	4,163	3,761	4,551
295 Southwest Texas St Univ	3,487	3,450 i	3,413 i	3,376 i	3,339 i	3,299	3,597	4,507
296 Illinois State University	4,535	5,071	5,166	4,608	4,596	4,688e	4,326	4,434
297 Virginia State University	4,801	4,569	3,134	3,270	3,988	3,338	2,611	4,422
298 Morgan State University	1,496	3,558	3,663 i	3,768 i	3,981	3,873 i	1,066	4,371
299 Indiana State University	835	1,042	1,208	1,548	1,265	5,255	4,977	4,196
300 MT Tech of the U of MT	2,340	2,718 i	3,096 i	3,474 i	3,852 i	4,230 i	4,613	4,155
Total, 1st 300 institutions	19,671,110	20,730,293	21,847,658	22,712,987	24,012,844	25,477,541	27,146,915	29,706,391

See explanatory information and SOURCE at end of table.

**Table B-32. Total R&D expenditures at universities and colleges,
ranked by fiscal year 2000 total R&D expenditures:
fiscal years 1993-2000**

[Dollars in thousands]

Institution and ranking	1993	1994	1995	1996	1997	1998	1999	2000
301 U Arkansas Pine Bluff	3,247	3,446	4,780	3,424	3,974	4,151	4,151e	4,151 i
302 University of Guam	2,753 i	2,765 i	2,777 i	2,789 i	2,801 i	2,819	2,829	4,130
303 Eastern Michigan U	1,129	1,192 i	1,255 i	1,318 i	1,381 i	1,444 i	1,512	4,118
304 N.E. Ohio Univ Col of Med	1,892	2,446	3,193	2,493	2,990	2,918	3,389	4,011
305 U MD Eastern Shore	3,045	1,128	1,880	1,980	2,187	2,265	2,508	3,895
306 Tarleton State University	2,839	2,760	2,535	2,987	2,695	3,954	3,905	3,872
307 CUNY Queens College	2,649	2,705	3,397	2,980	2,686	3,353	3,083	3,827
308 Western Kentucky Univ	893	1,982 i	3,071 i	4,160 i	5,249 i	6,342	3,287	3,770
309 CA St U Bakersfield	634	562 i	490 i	418 i	346 i	274 i	200e	3,703
310 Fordham University	1,737	2,241	2,067	2,712	3,663	2,247	3,134	3,584
Total, 1st 310 institutions	19,691,928	20,751,520	21,873,103	22,738,248	24,040,816	25,507,308	27,174,913	29,745,452
311 Boise State University	1,630	2,453	3,285	3,102	3,211	3,412	3,501	3,480
312 Bowling Green State U	3,430	3,874	3,700	3,942	3,542	3,392	3,454	3,454e
313 Winston Salem State U	529	940	1,123	1,406	2,034	2,468	1,712	3,450
314 W Washington Univ	2,553 i	2,785 i	3,017 i	3,249 i	3,481 i	3,716	3,894	3,433
315 Xavier University of LA	3,169	4,176	10,048	5,188	5,527	5,388	3,294	3,425
316 Delaware State University	1,262	3,987	1,036	2,071	1,947	2,883	2,765	3,415
317 Norfolk State University	566	671	1,273	2,239	1,401	2,524	2,995	3,408
318 Ponce School of Medicine	2,591	3,102	3,418	4,450	2,802	2,953 i	3,105	3,403
319 Fisk University	1,502	1,631	1,800 i	1,969	1,969e	2,909	4,034	3,401
320 U of AR at Little Rock	--	--	--	--	--	--	--	3,400e
Total, 1st 320 institutions	19,709,160	20,775,139	21,901,803	22,765,864	24,066,730	25,536,953	27,203,667	29,779,721
321 U of the Virgin Islands	6,189	2,794	3,811 i	4,828	4,828e	4,828e	3,310	3,310e
322 Baylor University	1,275	1,179	1,471	1,251	2,233	2,032	2,032e	3,307
323 Lamar University	3,269	3,052	2,189	2,407	1,988	3,051	3,739	3,204
324 Sam Houston State U	1,380	2,321	3,905 i	5,490	5,849	4,532	3,892	3,053
325 Texas Christian U	3,170	3,110	2,783	2,787	3,175	3,125	4,061	3,050
326 College of Charleston	1,309	1,445 i	1,581 i	1,717 i	1,853 i	1,989	2,100	3,047
327 Texas Woman's University	1,380	1,458	1,712	1,818	2,224	2,359	2,179	3,005
328 Nova Southeastern U	1,120	1,245	1,265	1,258	1,402	1,986	3,106	2,919
329 South Carolina State U	4,103	5,181	4,091 i	3,000	2,855	2,885	2,900	2,915
330 Clark University	2,311	2,711	2,228	1,954	2,417	2,147	2,651	2,908
Total, 1st 330 institutions	19,734,666	20,799,635	21,926,839	22,792,374	24,095,554	25,565,887	27,233,637	29,810,439
331 Morehouse College	1,119	992	1,074	592	592e	592e	2,853	2,853e
332 Bryn Mawr College	2,310	2,559	2,403	3,432	7,016	4,231	3,929	2,791
333 US Naval Academy	5,720	5,107 i	4,494 i	3,881 i	3,268 i	2,651	2,316	2,786
334 Fort Valley State U	2,749	2,648	3,009	2,474	2,863	2,989	2,937	2,768
335 University of DC	3,055 i	3,211	3,227 i	3,244	3,244e	3,074	3,394	2,737
336 Baylor Col of Dentistry	754	1,244	1,131	1,363	1,983	2,359	2,848	2,718
337 Embry-Riddle Aero Univ	2,124	2,228 i	2,332 i	2,436 i	2,540 i	2,647	2,647e	2,700e
338 Bowie State University	465	937	173	49	2,672	4,511	2,675	2,675e
339 Duquesne University	589	1,115	1,440	861	1,396	1,297	2,025	2,662
340 Hampshire College	1,447	1,978	2,380 i	2,782 i	3,185	2,972	2,900	2,658
Total, 1st 340 institutions	19,754,998	20,821,654	21,948,502	22,813,488	24,124,313	25,593,210	27,262,161	29,837,787
341 Institute of Textile Tech	2,412	2,297	2,642	2,781	2,813	2,776	2,346	2,638
342 Smith College	1,788 i	1,920	1,728 i	1,536 i	1,344	1,295	1,107	2,582
343 Ithaca College	284	527 i	770 i	1,013 i	1,256 i	1,499	2,066	2,565
344 Langston University	1,881	2,046	3,187	2,521	1,828	2,031	2,340	2,553
345 Santa Clara University	1,815	1,815e	1,895 i	1,954 i	2,077 i	2,189 i	2,326 i	2,509 i
346 Lincoln University	2,958	3,121	2,934	2,970	2,899	3,313	2,686	2,502
347 Midwestern University	1,482	1,928	2,126	1,512	2,250	1,840	1,701	2,470
348 Ball State University	1,322	2,002	2,248	2,667	3,076	2,361	2,056	2,429
349 Claremont Graduate Sch	1,011	1,229	1,017	1,100	902	401	1,870	2,416
350 CA St U Chico	2,158	2,158	3,413	1,629	3,558	3,376	3,106	2,390
Total, 1st 350 institutions	19,772,109	20,840,697	21,970,462	22,833,171	24,146,316	25,614,291	27,283,765	29,862,841

See explanatory information and SOURCE at end of table.

**Table B-32. Total R&D expenditures at universities and colleges,
ranked by fiscal year 2000 total R&D expenditures:
fiscal years 1993-2000**

[Dollars in thousands]

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Institution and ranking	1993	1994	1995	1996	1997	1998	1999	2000
351 U of NC Greensboro	2,360	2,309	2,437	2,028	1,882	2,619	2,368	2,368e
352 Grambling State U	210	209	204	1,455	2,634	1,997	1,997e	2,264
353 American University	3,903	3,226	3,063	3,279	3,029	3,453	2,987	2,245
354 Texas Southern U	4,220	2,612	4,173	3,820	3,867	2,690	2,507	2,182
355 Towson University	316	146	180	189	247	959	1,452	2,138
356 E Washington Univ	2,445	2,445i	2,445i	2,445i	2,445i	2,445e	2,356	2,108
357 Murray State University	1,026	976	1,235	1,059	1,490	2,043	1,966	2,084
358 Spelman College	603	1,089	1,435	1,084	2,553	1,744	2,007	2,082
359 Milwaukee School of Eng	786	969i	1,152i	1,335i	1,518i	1,704	1,776	2,020
360 Central Washington U	748	911i	1,074i	1,237i	1,400i	1,563i	1,731	2,006
Total, 1st 360 institutions	19,788,726	20,855,589	21,987,860	22,851,102	24,167,381	25,635,508	27,304,912	29,884,338
361 St. Cloud State Univ	353	669i	985i	1,301i	1,617i	1,935	1,935e	1,935e
362 Amherst College	1,724	1,694i	1,664i	1,634i	1,604i	1,573	1,498	1,859
363 Williams College	1,853	1,853i	1,853i	1,853i	1,853i	1,853e	1,853e	1,853e
364 Bucknell University	661	773i	885i	997i	1,109i	1,221i	1,335	1,835
365 Mount Holyoke College	804i	848i	892i	936i	980i	1,033	1,721	1,835
366 CA St U San Bernardino	156	202i	248i	294i	340i	390	3,301	1,797
367 Pomona College	1,392	1,316i	1,240i	1,164i	1,088i	1,010	1,619	1,791
368 U of Detroit Mercy	2,069	2,527	2,950	2,555	2,260	1,853	1,870	1,767
369 U of Central Arkansas	--	--	--	--	--	--	--	1,758
370 Gallaudet University	3,535	3,271i	3,007i	2,743i	2,479i	2,212	2,348	1,752
Total, 1st 370 institutions	19,801,273	20,868,742	22,001,584	22,864,579	24,180,711	25,648,588	27,322,392	29,902,520
371 West Texas A&M U	451	871i	1,291i	1,711i	2,131i	2,551	2,267	1,751
372 U of Northern Iowa	1,079	1,404	2,165	1,944	1,623	1,682	1,542	1,744
373 Loyola College	1,158	1,569	1,386	1,023	905	1,303	1,445	1,724
374 Vassar College	596	596i	596i	596i	596i	596e	1,156i	1,716
375 CA St U Fullerton	1,749i	1,749i	1,749i	1,749i	1,749i	1,749e	1,749i	1,712i
376 CA St Poly U Pomona	2,621	2,363i	2,105i	1,847i	1,589i	1,331i	1,069	1,703
377 Le Moyne-Owen Coll	--	--	--	--	--	1,451	1,053	1,700
378 U of TX Pan American	1,095	1,208i	1,321i	1,434i	1,547i	1,664	1,684	1,688
379 SUNY Col at Buffalo	1,496	1,460	1,604	2,570	2,448	1,157	1,689	1,683
380 Colgate University	--	--	--	--	--	--	--	1,664
Total, 1st 380 institutions	19,811,518	20,879,962	22,013,801	22,877,453	24,193,299	25,662,072	27,336,046	29,919,605
381 Pittsburg State U	303	281	281	546	361	1,631	1,614	1,663
382 State U of West Georgia	200	407i	614i	821i	1,028i	1,235i	1,442i	1,655
383 CUNY H H Lehman Col	0e	1,454	1,327i	1,199	1,247e	1,308i	1,370	1,632
384 Maharishi U of Mgmt	0e	776	699	0	0	0	0	1,632
385 Elizabeth City State U	1,050	418	758i	1,098	1,379	684	1,040	1,558
386 Grinnell College	332	332i	332i	332i	332i	332e	4,300	1,500
387 U WI-La Crosse	708	712	1,133	1,310	1,045	1,185	1,113	1,404
388 Albany State University	3,733	3,687e	3,687i	3,687e	3,687e	1,019	1,019e	1,393
389 Bradley University	483	685i	887i	1,089i	1,291i	1,493	1,341	1,371
390 Middlebury College	788	781i	774i	767i	760i	753i	742	1,371
Total, 1st 390 institutions	19,819,115	20,889,495	22,024,293	22,888,302	24,204,429	25,671,712	27,350,027	29,934,784
391 U of Southern Maine	392e	436i	480i	524i	568i	614	1,366	1,366e
392 Alabama State University	534	1,055	1,000	1,000	818	1,177	1,365	1,365e
393 Albany Col of Pharmacy	--	--	--	--	--	--	--	1,360
394 Barnard College	1,440	1,306	1,246	934	943e	1,172	1,181	1,347
395 S Illinois U Edwardsville	1,937	1,743i	1,549i	1,355i	1,161i	966	1,316	1,344
396 CUNY York College	930	840	900	952	1,311	1,526	1,392	1,341
397 Southwest Missouri St U	2,415	2,292i	2,169i	2,046i	1,923i	1,797	1,324	1,324e
398 SUNY Col Old Westbury	440	505	610	640	991	777	691	1,310
399 CUNY John Jay Col Cr Just ...	859	181	248	686	688	1,325	1,442	1,274
400 Long Island University	278	267	238	155	902	1,221	1,406	1,267
Total, 1st 400 institutions	19,828,340	20,898,120	22,032,733	22,896,594	24,213,734	25,682,287	27,361,510	29,948,082

See explanatory information and SOURCE at end of table.

**Table B-32. Total R&D expenditures at universities and colleges,
ranked by fiscal year 2000 total R&D expenditures:
fiscal years 1993-2000**

[Dollars in thousands]

Institution and ranking	1993	1994	1995	1996	1997	1998	1999	2000
401 Chicago State University	1,048	1,248	740	757	759	713	1,266	1,263
402 Carleton College	940	938 i	936 i	934 i	932 i	930 i	927	1,245
403 Trinity University	1,486	1,383 i	1,280 i	1,177 i	1,074 i	971 i	867	1,241
404 U WI-Stout	1,433	1,500	1,305	1,523	1,306	1,386	976	1,236
405 New England Col Opt	333	289	144	723	1,111	1,734	1,643	1,228
406 U WI-Stevens Point	1,179	1,649	1,871	1,649	1,324	1,112	1,302	1,227
407 Union Institute, The	0	1,008	1,155	1,173	1,024 i	875	1,023	1,217
408 Colorado College	323	301 i	279 i	257 i	235 i	211	877	1,213
409 CUNY Col Staten Island	1,209	7,045	954	901	794	1,014	979	1,208
410 Arkansas State University	806	837 i	868 i	899 i	930 i	962	1,527	1,203
Total, 1st 410 institutions	19,837,097	20,914,318	22,042,265	22,906,587	24,223,223	25,692,195	27,372,897	29,960,363
411 Calvin College	493	583 i	673 i	763 i	853 i	943 i	1,033	1,191
412 Haverford College	914 i	920	631	1,077	1,304	1,303	1,104	1,191
413 Franklin & Marshall Coll	906	956 i	1,006 i	1,056 i	1,106 i	1,158	1,424	1,188
414 Coastal Carolina U	--	--	--	--	--	--	--	1,187
415 St John's University (NY)	860	1,103	1,068	1,903	2,216	1,572	1,617	1,184
416 University of Richmond	652	1,080	454	807	937	1,035	1,099	1,178
417 Benedict College	600	1,062	850	634	634e	800 i	966 i	1,143
418 Grand Valley State U	830	736	727	1,810	1,247	892	992	1,138
419 U of Northern Colorado	240	252	285	561	799	736e	701	1,128
420 James Madison University	910	1,041 i	1,172 i	1,303 i	1,434 i	1,568	1,781	1,121
Total, 1st 420 institutions	19,843,502	20,922,051	22,049,131	22,916,501	24,233,753	25,702,202	27,383,614	29,972,012
421 John Carroll University	543	631 i	719 i	807 i	895 i	983 i	1,072	1,072e
422 Fairfield University	305	413 i	521 i	629 i	737 i	845 i	953 i	1,061
423 University of Hartford	0e	157	357	466	365	397	773	1,061
424 Southeastern Louisiana U	390	487 i	584 i	681 i	778 i	875 i	976	1,057
425 CA Sch Prof Psy-Fresno	616	1,279	1,424 i	1,570	1,399	1,777	742	1,034
426 Hamilton College	475	475 i	475 i	475 i	475 i	475e	751 i	1,027
427 CA Sch Prof Psy S Diego	66	25	510	517	461	1,020	1,020e	1,020e
428 University of the Pacific	1,124	60	970	860	2,601	886	999	1,020
429 Trinity College	605	762 i	919 i	1,076 i	1,233 i	1,390 i	1,552	1,010
430 Union College (NY)	1,032	1,054	988	1,016	687	694	1,043	1,002
Total, 1st 430 institutions	19,848,658	20,927,394	22,056,598	22,924,598	24,243,384	25,711,544	27,393,495	29,982,376
431 SUNY Col of Optometry	377	680	537	641	499	668	1,135	1,001
432 CA St U Dominguez Hills	581	1,903 i	3,225 i	4,547 i	5,869 i	7,191 i	8,517	998
433 SUNY Col at Plattsburgh	846	1,108	1,520	1,207	951	1,133	793	996
434 Seton Hall University	2,895 i	3,072	2,411e	2,400e	2,400e	2,400	1,116	996
435 Swarthmore College	1,128	1,401	875	871	869	996	996e	996e
436 St. Joseph's Univ	140	231 i	322 i	413 i	504 i	595	311	975
437 Georgia Southern U	1,183	1,125 i	1,067 i	1,009 i	951 i	893 i	833	944
438 Phila Col Osteopathic Med	1,095	469	882	869	688	516	1,050	930
439 Louisiana Tech University	3,582	2,315	2,707 i	3,100	5,379 i	7,659	7,659e	928
440 Hope College	862	891 i	920 i	949 i	978 i	1,007 i	1,039	922
Total, 1st 440 institutions	19,861,347	20,940,589	22,071,064	22,940,604	24,262,472	25,734,602	27,416,944	29,992,062
441 Simmons College	368	462 i	556 i	650 i	744 i	838 i	937	912
442 U of IL Springfield	--	--	--	--	--	--	--	910
443 Savannah State Univ	173	128	214	317	316	331	513	905
444 Tougaloo College	1,415	1,502	1,606 i	1,710 i	1,815	1,180	1,227	895
445 Rider University	--	--	--	--	--	--	--	891
446 DePaul University	1,510	1,329	1,182	1,300	1,103	1,233	1,028	863
447 U of NC Asheville	531	566 i	601 i	636 i	671 i	706 i	742	861
448 U of Houston Downtown	900	932 i	964 i	996 i	1,028 i	1,060 i	1,096	837
449 Mississippi Valley St U	213	319	471	586	563	350	495	834
450 Occidental College	2,220	2,220 i	2,220 i	2,220 i	2,220 i	2,220e	862	826
Total, 1st 450 institutions	19,868,677	20,948,047	22,078,878	22,949,019	24,270,932	25,742,520	27,423,844	30,000,796

See explanatory information and SOURCE at end of table.

**Table B-32. Total R&D expenditures at universities and colleges,
ranked by fiscal year 2000 total R&D expenditures:
fiscal years 1993-2000**

[Dollars in thousands]

Institution and ranking	1993	1994	1995	1996	1997	1998	1999	2000
451 Lawrence Tech Univ	187	171 i	155 i	139 i	123 i	104	344	821
452 Kirksville Col Osteo Med	829	836	910	747	644	509	743	816
453 Bennett College	123	112	112	93	93e	811	811e	811 i
454 North Carolina Central U	335	409	835	852 i	869e	869	825e	808 i
455 Sul Ross State University	179	143	176	316	320	602	630	796
456 West Chester U of PA	710	1,113	1,919	462	506	672	769	794
457 Furman University	253	283	577	728	665	522	365	793
458 Hofstra University	1,073	1,786	2,218	726	717	717	716	787
459 Evergreen State Coll	290	358 i	426 i	494 i	562 i	630 i	698 i	766
460 Salem-Teikyo University	--	--	--	--	--	752	704	762
Total, 1st 460 institutions	19,872,656	20,953,258	22,086,206	22,953,576	24,275,431	25,748,708	27,430,449	30,008,750
461 Central Michigan U	1,733	1,334	558e	1,043	843e	0	755	755e
462 SUNY Col at Oswego	1,001	1,192	1,056 i	920	803	716	542	744
463 CUNY Grad Ctr	3,125	2,674	3,449 i	4,224 i	4,999	5,109	1,098	739
464 Dickinson College	--	--	--	--	--	1,789	948	739
465 Truman State University	743	743e	684 i	624	764	754	754e	738 i
466 Middle Tennessee State U	163	327	415	535	465	297	618	733
467 Indiana U of PA All Cmp	333	374	349	562	512	512e	389	731
468 Valparaiso University	490 i	556	556e	426e	443	571	569	725
469 U of Southern Colorado	1,228	1,251	1,464	1,183	884	824	979	724
470 SUNY Col at Brockport	373	458	460e	532	591	609	676	722
Total, 1st 470 institutions	19,881,845	20,962,167	22,095,197	22,963,625	24,285,735	25,759,889	27,437,777	30,016,100
471 Reed College	641	601 i	561 i	521 i	481 i	441 i	400e	716
472 Kentucky State University	2,349	2,665	2,920	2,773	2,139	713	713e	713 i
473 Lincoln University (PA)	505	502	818 i	1,135	1,032	1,364	972	709
474 University San Francisco	825	771 i	717 i	663 i	609 i	555 i	500e	700
475 Appalachian State U	358	494	549	511	511	558	621	694
476 Oberlin College	0 i	0 i	0 i	0 i	0 i	0 i	0 i	691
477 SUNY Col at Geneseo	344	518	316	651	461	475	543	686
478 U WI-Eau Claire	387	666	377	386	479	613	604	684
479 U of Health Sci (MO)	75	718	963	677	652	885	885e	677
480 Virginia Union University	--	--	--	--	--	671	671e	671 i
Total, 1st 480 institutions	19,887,329	20,969,102	22,102,418	22,970,942	24,292,099	25,766,164	27,443,686	30,023,041
481 Lafayette College	500	525 i	550 i	575 i	600 i	625	600	665
482 East Stroudsburg U of PA	181	298 i	415 i	532 i	649 i	766 i	887e	642
483 Eastern Kentucky U	457	6,498 i	12,539 i	18,580 i	24,621 i	30,662 i	36,708	640
484 McNeese State University	792	0	131	131e	25	410	699	639
485 Kettering University	345	362 i	379 i	396 i	413 i	433	647	625
486 Radford University	--	--	--	--	--	273	181	624
487 Minnesota State, Mankato	910	1,115 i	1,320 i	1,525 i	1,730 i	1,939	564	607
488 Bates College	152	159	340	588	402	682	754	598
489 Southern Connecticut St U	299	281 i	263 i	245 i	227 i	209 i	188	596
490 College of Wooster	182	220	279	293e	219	323	379	593
Total, 1st 490 institutions	19,891,147	20,978,560	22,118,634	22,993,807	24,320,985	25,802,486	27,485,293	30,029,270
491 Bethune Cookman College	221	507	0	451	606	566	583	586
492 Bridgewater State College	655	590 i	525 i	460 i	395 i	330 i	260	585
493 U WI-Oshkosh	329	380	330	396	574	636	603	585
494 PA College of Optometry	819	734 i	649 i	564 i	479 i	394 i	307	581
495 Western Carolina U	183	263	228	228	332	442	501	580
496 Bowdoin College	306	481	459	909	425	474	510	576
497 Oakwood College	186	161	300	371	718	845	567	567e
498 Central State University	1,889	1,791	1,789 i	1,786	1,786e	1,497	1,497e	560e
499 Claflin College	180	103	540	764	1,254	1,403	555	555e
500 University of Portland	117	257	333	447	306	282	387	552
Total, 1st 500 institutions	19,896,032	20,983,827	22,123,787	23,000,183	24,327,860	25,809,355	27,491,063	30,034,997

See explanatory information and SOURCE at end of table.

**Table B-32. Total R&D expenditures at universities and colleges,
ranked by fiscal year 2000 total R&D expenditures:
fiscal years 1993-2000**

[Dollars in thousands]

Institution and ranking	1993	1994	1995	1996	1997	1998	1999	2000
501 University of San Diego	736	641	701	252	248	484	343	545
502 St Olaf College	284	321 i	358 i	395 i	432 i	469 i	506	544
503 U WI-Green Bay	449	350	390	590	533	491	478	543
504 U of Sci in Philadelphia	755	634	881	695	650	358	358e	532
505 Youngstown State Univ	172	317 i	462 i	607 i	752 i	898	468	532
506 Lewis and Clark College	269	308 i	347 i	386 i	425 i	468	600	529
507 Manhattan College	1,189	1,064 i	939 i	814 i	689 i	563	485	509
508 U of Central Oklahoma	132	148 i	164 i	180 i	196 i	215	1,173	509
509 Fayetteville State U	273	437	470 i	503	139	485	265	507
510 Nicholls State U	--	--	--	--	--	--	--	504
Total, 1st 510 institutions	19,900,291	20,988,047	22,128,499	23,004,605	24,331,924	25,813,786	27,495,739	30,040,251
511 CA Sch Prof Psy-Alameda	0	0	72	133	118	193	498	498e
512 Whitman College	633	596 i	559 i	522 i	485 i	444	492	483
513 Virginia Military Inst	426	394	508	508	429	334	394	470
514 Drake University	379	374 i	369 i	364 i	359 i	354 i	349	468
515 Spalding University	2	12	15	0	0	189	0	462
516 Wentworth Inst of Tech	1,634	1,504	1,155	1,234	773	1,146	817	452
517 St Mary's Col of MD	--	--	--	--	--	--	--	447
518 Andrews University	377	247	279	366	381	290	290e	444
519 Connecticut College	432	432 i	432 i	432 i	432 i	432e	432 i	423 i
520 Arkansas Tech Univ	527	506 i	485 i	464 i	443 i	419	598	419
Total, 1st 520 institutions	19,904,701	20,992,112	22,132,373	23,008,628	24,335,344	25,817,587	27,499,609	30,044,817
521 Des Moines U Ost Med Ctr	396	362	80	316	302	416	673	417
522 US Coast Guard Academy	310	308 i	306 i	304 i	302 i	300	570	405
523 Lake Forest College	0	20 i	40 i	60 i	80 i	103	190	399
524 Montclair State U	65	112 i	159 i	206 i	253 i	300 i	347 i	396
525 Colby College	296	314 i	332 i	350 i	368 i	389	355	392
526 New York Inst Technology	402	346	183	278	325	295	370	390
527 Pitzer College	290	665	544 i	423	240	260	297	383
528 U WI-Superior	1,988	1,705	1,611	951	494	383	505	380
529 CUNY Baruch Col	491	383	243	154	113	319 i	526	375
530 Chapman U	121	157 i	193 i	229 i	265 i	301 i	337 i	373
Total, 1st 530 institutions	19,909,060	20,996,484	22,136,064	23,011,899	24,338,086	25,820,653	27,503,779	30,048,727
531 College of the Holy Cross	928	431	564	1,419	437	430	252	371
532 SUNY Col at Cortland	173	295	244	373	357	55	82	362
533 U WI-Parkside	487	373	319	338	339	187	158	362
534 Monmouth University	404e	722	776	630	708	382	357	357e
535 U of Findlay	--	--	--	--	--	--	--	350
536 Augsburg College	678	616 i	554 i	492 i	430 i	368 i	303	337
537 Denison University	418	401 i	384 i	367 i	350 i	333 i	314	328
538 Texas A&M U Commerce	206	213	282	263	290	361	168	327
539 Allegheny College	522	557 i	592 i	627 i	662 i	697 i	734	318
540 Western U of Hlth Sci	39	168	152	206	58	295	295e	318 i
Total, 1st 540 institutions	19,912,915	21,000,260	22,139,931	23,016,614	24,341,717	25,823,761	27,506,442	30,052,157
541 Skidmore College	249	230 i	211 i	192 i	173 i	151	236	314
542 Southern Oregon Univ	173	208 i	243 i	278 i	315	341	320	301
543 CUNY Medger Evers Col	--	--	--	--	--	--	--	291
544 Pace University All Cmp	0e	0e	0	0	0	596	571	289
545 Johnson C Smith U	377	2,083	1,307	1,307	1,546	4,299	8,659	287
546 St. Mary's University	582	466 i	350 i	234 i	118 i	0	0	287
547 Cooper Union	1,515	1,515 i	1,515 i	1,515 i	1,515 i	1,515e	144	284
548 Wilberforce University	200	505	384	323	280	280e	280 i	280 i
549 U WI-Whitewater	204	201	287	356	395	282	148	272
550 Willamette University	--	--	--	--	--	340	58	266
Total, 1st 550 institutions	19,916,215	21,005,468	22,144,228	23,020,819	24,346,059	25,831,565	27,516,858	30,055,028

See explanatory information and SOURCE at end of table.

**Table B-32. Total R&D expenditures at universities and colleges,
ranked by fiscal year 2000 total R&D expenditures:
fiscal years 1993-2000**

[Dollars in thousands]

Institution and ranking	1993	1994	1995	1996	1997	1998	1999	2000
551 Dillard University	0	110	145	314	175	175e	175	264
552 Pacific University	0	0	0	0	0	0	0	264
553 Ohio Wesleyan University	275	450	319	508	619	197	255	255e
554 Knox College	639	584i	529i	474i	419i	364i	309i	254
555 Abilene Christian Univ	468	441i	414i	387i	360i	330	272	252
556 Kennesaw State Univ	121	164	89	132	158	132	142	249
557 Southeast Missouri St U	788	699i	610i	521i	432i	343i	250e	233
558 Macalester College	148	160i	170i	180i	190i	200i	210i	220i
559 U of Missouri Sys Admn	915	740	205	196	209	270	291	219
560 Central Connecticut St U	208	209i	210i	211i	212i	213i	214i	218
Total, 1st 560 institutions	19,919,777	21,009,025	22,146,919	23,023,742	24,348,833	25,833,789	27,518,976	30,057,456
561 Regis University	93	99i	105i	111i	117i	124	93	208
562 Widener U All Campuses	0	0	0	0	0	0	70	208
563 W State Coll Colorado	134	130i	126i	122i	118i	110	158	204
564 University of New Haven	244	504	505i	507	558e	558e	198	198e
565 SUNY Col at Fredonia	271	319	382	204	154	118	92	194
566 Fort Lewis College	660	462	438	235	447	599	243	191
567 Northeastern Illinois U	197	294	1,513	282	530	186	101	184
568 Southern U New Orleans	--	--	--	--	--	--	--	183
569 Adelphi University	243	243e	319	317	433	252	254	169
570 Juniata College	221	212i	203i	194i	185i	176i	164	168
Total, 1st 570 institutions	19,921,840	21,011,288	22,150,510	23,025,714	24,351,375	25,835,912	27,520,349	30,059,363
571 Point Loma Nazarene Col	162	162i	162i	162i	162i	162i	162i	165
572 Fairleigh Dickinson U	140	140e	140e	140	775	394	356	158
573 U WI-River Falls	404	175	115	146	262	242	231	152
574 Sonoma State University	--	--	--	--	--	194	134	150
575 U of Nebraska at Kearney	60	72i	84i	96i	108i	120i	132i	146
576 Gustavus Adolphus Col	426	392i	358i	324i	290i	256i	222	143
577 SUNY Purchase College	206	255	226i	196	241	165	188	139
578 Rust College	346	389	332	0	0	317	114	138
579 U of Alaska, SE	--	--	--	--	--	248	80	135
580 WV Sch of Osteo Med	146	142	121	128	146	146	99	132
Total, 1st 580 institutions	19,923,730	21,013,015	22,152,048	23,026,906	24,353,359	25,838,156	27,522,067	30,060,821
581 La Salle University	296	3	166i	329	215	157	244	126
582 Morris Brown College	1,227	1,010	3,796	3,652	525	525e	321i	116
583 Oral Roberts University	140	85	21	30	59	65	53	116
584 Northern Kentucky U	369	339i	309i	279i	249i	219i	185	115
585 Fairmont State College	--	--	--	--	--	27	24	110
586 Shaw University	53	56	56	115	147	110	100	100e
587 MA Col Phar Allied Hlth	181	222	275	205	235	89	89e	96i
588 Kutztown U of PA	182	345	224	175	172	265	96	92
589 Providence College	100	71	36	70	44	62	86	86e
Total, 1st 589 institutions	19,926,278	21,015,146	22,156,931	23,031,761	24,355,005	25,839,675	27,523,265	30,061,778
Total, all other sampled institutions	24,285	7,107	7,602	7,027	6,880	6,261	5,941	593

¹ Johns Hopkins University includes Applied Physics Laboratory.

² These data do not include R&D expenditures at university-associated federally funded research and development centers. See tables B-73 and B-74.

KEY: -- = not available
e = estimated
i = imputed

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2000