

**Table B-40. Federally financed R&D expenditures at universities and colleges,
by science and engineering field: fiscal year 1999**

[Dollars in thousands]

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Institution and ranking	Total	Engi- neering	Physical sciences	Environ- mental sciences	Math & computer sciences	Life sciences	Psy- chology	Social sciences	Other sciences
Total, all institutions	16,046,797	2,438,273	1,859,517	1,100,681	791,389	8,920,220	310,119	472,320	154,278
1 Johns Hopkins U ¹	770,580	221,320	119,458	42,057	94,697	281,249	3,237	5,355	3,207
2 U of Washington	368,112	21,875	19,299	55,954	7,513	246,803	8,432	8,236	0
3 Stanford University	353,947	98,864	49,719	6,041	20,070	174,195	3,420	1,638	0
4 University of Michigan	334,226	83,573	17,108	4,497	5,133	182,255	4,367	37,293	0
5 MA Institute of Tech	308,921	110,676	89,506	20,150	30,753	49,466	832	2,328	5,210
6 U CA San Diego	292,007	25,273	27,724	65,829	29,277	135,740	3,491	4,630	43
7 U of Pennsylvania	279,013	10,598	22,655	66	7,986	227,734	3,380	5,942	652
8 Harvard University	266,019	4,624	29,956	13,424	2,955	183,218	3,953	13,426	14,463
9 U CA Los Angeles	251,999	29,527	27,925	6,611	9,634	169,502	5,680	3,119	1
10 U WI-Madison	249,961	34,501	28,915	16,406	7,148	133,846	15,437	13,703	5
Total, 1st 10 institutions	3,474,785	640,831	432,265	231,035	215,166	1,784,008	52,229	95,670	23,581
11 University of Colorado	244,686	15,925	35,611	61,055	7,089	116,014	4,350	4,178	464e
12 Columbia U in City of NY	240,158	13,450	20,581	40,712	5,631	153,549	2,488	3,747	0
13 Cornell University	234,792	31,243	64,965	2,565	13,603	115,982	2,327	4,107	0
14 U CA San Francisco	233,181	0	0	0	0	233,181	0	0	0
15 Washington University	218,598	5,819	7,644	2,779	6,647	191,983	1,439	2,232	55
16 Yale University	213,404	4,723	16,174	1,780	4,071	183,022	2,450	1,184	0
17 University of Minnesota	207,761	24,055	14,357	6,120	8,388	147,646	5,068	2,127	0
18 U of Southern California	199,619	32,688	8,099	8,698	48,576	94,480	3,705	2,927	446
19 Pennsylvania State U	199,105	80,195	23,617	15,554	2,628	56,182	6,621	12,362	1,946
20 California Inst of Tech	195,303	37,675	103,926	14,141	10,907	26,077	0	966	1,611
Total, 1st 20 institutions	5,661,392	886,604	727,239	384,439	322,706	3,102,124	80,677	129,500	28,103
21 University of Pittsburgh	194,618	4,168	9,009	386	3,494	167,748	4,172	4,340	1,301
22 U CA Berkeley	191,025	51,323	55,380	4,051	3,971	64,757	4,696	5,430	1,417
23 Duke University	186,757	11,002	14,936	3,921	2,225	143,274	3,836	7,563	0
24 U of Illinois Urbana-Cham	185,767	53,912	32,938	10,463	43,211	33,684	4,765	3,688	3,106
25 U of NC Chapel Hill	182,935	0	12,453	6,337	7,017	138,631	2,747	15,750	0
26 University of Arizona	178,126	25,320	53,756	6,625	5,277	80,174	1,133	5,841	0
27 U of Alabama Birmingham	165,223	4,964	2,252	0	255	153,179	4,423	150	0
28 U TX at Austin	164,913	61,383	48,402	5,904	24,396	20,222	2,227	2,273	106
29 Texas A&M University	149,151	31,065	11,842	53,624	3,366	43,653	1,721	3,880	0
30 U MD at College Park	145,081	42,645	32,933	5,381	14,921	12,280	1,536	35,385	0
Total, 1st 30 institutions	7,404,988	1,172,386	1,001,140	481,131	430,839	3,959,726	111,933	213,800	34,033
31 Baylor Col of Medicine	141,111	0	0	0	0	141,111	0	0	0
32 Case Western Reserve U	140,178	17,695	5,413	223	317	114,553	466	1,511	0
33 University of Chicago	135,720	0	32,554	4,617	2,226	91,591	1,289	3,443	0
34 Ohio State University	135,216	20,467	11,827	5,662	3,558	77,926	2,890	12,504	382
35 University of Rochester	132,852	36,235	12,076	474	3,156	75,975	4,036	900	0
36 Emory University	132,816	0	4,845	0	449	126,500	615	407	0
37 Northwestern University	132,647	30,446	12,193	537	2,514	82,942	1,595	1,915	505
38 U CA Davis	124,463	10,069	9,574	1,809	2,548	98,784	1,203	476	0
39 Boston University	123,390	14,767	11,472	3,095	3,071	80,675	2,364	1,118	6,828
40 U of Iowa	122,638	8,495	11,564	460	1,018	96,891	2,060	2,146	4
Total, 1st 40 institutions	8,726,019	1,310,560	1,112,658	498,008	449,696	4,946,674	128,451	238,220	41,752
41 University of Florida	122,296	20,227	13,638	2,527	5,243	75,556	3,127	1,978	0
42 Vanderbilt University	116,887	6,595	13,027	250	707	91,369	1,774	3,165	0
43 Georgia Institute of Tech	112,861	73,638	8,362	5,660	15,075	6,086	1,480	1,295	1,265
44 University of Utah	111,716	13,405	12,515	3,053	12,266	68,423	1,298	756	0
45 New York University	111,124	0	4,288	114	8,625	89,173	3,907	3,334	1,683
46 University of Virginia	108,495	16,824	10,705	4,774	5,005	67,772	2,810	605	0
47 Indiana University	102,262	215	17,701	869	2,042	70,151	6,281	4,919	84
48 U TX SW Med Ctr at Dallas	101,996	0	0	0	0	101,996	0	0	0
49 University of Miami	101,883	937	2,236	25,455	168	63,869	5,829	3,389	0
50 University of Cincinnati	100,325	12,801	2,613	54	62	83,303	156	1,336	0
Total, 1st 50 institutions	9,815,864	1,455,202	1,197,743	540,764	498,889	5,664,372	155,113	258,997	44,784

See explanatory information and SOURCE at end of table.

**Table B-40. Federally financed R&D expenditures at universities and colleges,
by science and engineering field: fiscal year 1999**

[Dollars in thousands]

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Institution and ranking	Total	Engi- neering	Physical sciences	Environ- mental sciences	Math & computer sciences	Life sciences	Psy- chology	Social sciences	Other sciences
51 Purdue University	95,708	36,509	13,162	2,731	4,230	34,525	1,653	2,730	168
52 SUNY at Stony Brook	93,937	6,410	16,514	13,432	5,253	48,971	2,196	1,041	120
53 Univ of Hawaii at Manoa	93,418	5,269	12,752	32,859	343	36,536	729	1,186	3,744
54 Colorado State University	91,943	6,430	6,706	11,630	1,479	56,063	2,764	1,140	5,731
55 Carnegie Mellon U	90,408	24,272	5,804	229	41,873	6,249	4,026	6,464	1,491
56 Michigan State University	89,835	4,913	20,998	522	2,177	49,996	1,645	9,516	68
57 Yeshiva University	89,680	0	0	0	0	89,680	0	0	0
58 University of IL Chicago	86,406	5,696	4,801	348	2,261	67,001	2,607	1,368	2,324
59 SUNY at Buffalo	85,490	14,579	5,312	333	2,767	57,307	3,954	1,238	0
60 University of New Mexico	84,976	21,305	7,562	1,636	2,701	29,014	3,119	2,498	17,141
Total, 1st 60 institutions	10,717,665	1,580,585	1,291,354	604,484	561,973	6,139,714	177,806	286,178	75,571
61 Mt Sinai Sch Med	84,624	0	0	0	0	84,624	0	0	0
62 U of MD Baltimore	84,516	0	0	0	0	84,516	0	0	0
63 Georgetown University	83,972	0	4,372	31	65	76,707	423	2,372	2
64 Oregon State University	81,649	9,648	4,652	26,936	1,688	38,305	23	342	55
65 Oregon Health Sciences U	76,033	0	0	0	0	71,420	4,613	0	0
66 Louisiana State U System	75,831	15,326	9,094	6,223	542	42,673	263	1,523	187
67 Rutgers the State U NJ	75,664	12,867	12,310	8,361	8,152	26,225	3,440	4,294	15
68 U CA Irvine	75,505	4,787	12,187	2,263	3,722	48,827	1,561	2,158	0
69 VA Polytech Inst & St U	75,386	25,584	4,607	20,094	2,896	18,472	1,777	1,956	0
70 U CA Santa Barbara	74,026	27,670	16,479	16,140	2,908	5,194	1,426	4,121	88
Total, 1st 70 institutions	11,504,871	1,676,467	1,355,055	684,532	581,946	6,636,677	191,332	302,944	75,918
71 Princeton University	72,974	22,316	20,381	6,696	3,793	13,148	4,080	2,560	0
72 UT Houston Hlth Sci Ctr	71,288	0	0	0	0	71,288	0	0	0
73 U of Tennessee System	70,187	11,676	7,641	7,051	2,796	38,605	7	1,786	625
74 U TX MD Anderson Cnrc Ctr ..	69,413	0	2,542	0	855	66,016	0	0	0
75 NC State University	66,310	27,008	6,258	5,727	3,904	21,277	360	747	1,029
76 University of Kentucky	66,184	10,140	3,319	428	1,213	46,622	592	1,323	2,547
77 Tufts University	63,618	3,634	2,684	103	1,104	54,020	1,489	584	0
78 U Med & Dent of NJ	61,730	0	0	0	0	61,730	0	0	0
79 Wake Forest University	60,293	0	782	0	152	59,351	0	0	8
80 Woods Hole Oceanogr Inst	59,534	9,297	0	50,237	0	0	0	0	0
Total, 1st 80 institutions	12,166,402	1,760,538	1,398,662	754,774	595,763	7,068,734	197,860	309,944	80,127
81 Wayne State University	57,610	2,925	4,399	18	397	47,371	1,793	707	0
82 University of Oklahoma	57,589	3,176	6,383	13,541	155	28,928	3,231	2,175	0
83 University of Kansas	57,272	5,799	5,693	2,287	1,339	38,866	138	659	2,491
84 U TX San An Hlth Sci Ctr	56,904	0	0	0	0	56,904	0	0	0
85 New Mexico State Univ	56,875	38,257	3,838	2,672	4,158	6,855	348	627	120
86 Thomas Jefferson U	56,369	0	0	0	0	56,369	0	0	0
87 University of Georgia	56,080	747	2,786	5,026	1,032	42,100	2,516	1,873	0
88 Florida State University	55,666	7,431	22,962	9,700	3,554	6,278	3,030	2,711	0
89 U MA Worcester	55,516	0	0	0	0	55,516	0	0	0
90 University of Connecticut	55,496	6,041	2,628	4,107	354	38,767	2,406	1,193	0
Total, 1st 90 institutions	12,731,779	1,824,914	1,447,351	792,125	606,752	7,446,688	211,322	319,889	82,738
91 U TX Med Br at Galveston	55,061	302	0	0	0	54,759	0	0	0
92 Utah State University	54,433	27,360	3,526	6,739	508	14,747	193	501	859
93 Iowa State University	54,179	13,207	4,528	2,006	3,642	21,345	67	8,754	630
94 Arizona State University	53,905	13,841	9,978	15,030	1,808	7,285	4,115	1,472	376
95 U of Missouri Columbia	53,875	6,105	2,809	387	599	37,318	2,964	3,693	0
96 Tulane University	50,779	3,138	1,376	384	395	41,482	476	1,306	2,222
97 George Washington U	49,944	7,506	1,608	94	13,388	15,349	390	1,498	10,111
98 U of South Carolina	48,490	12,595	7,007	6,712	1,937	12,433	2,933	2,359	2,514
99 Virginia Commonwealth U	48,175	1,236	2,341	6	151	42,593	1,129	719	0
100 Medical Col of Wisconsin	47,087	0	0	0	0	47,087	0	0	0
Total, 1st 100 institutions	13,247,707	1,910,204	1,480,524	823,483	629,180	7,741,086	223,589	340,191	99,450

See explanatory information and SOURCE at end of table.

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by science and engineering field: fiscal year 1999**

[Dollars in thousands]

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Institution and ranking	Total	Engi- neering	Physical sciences	Environ- mental sciences	Math & computer sciences	Life sciences	Psy- chology	Social sciences	Other sciences
101 Dartmouth College	46,741	5,526	2,243	457	1,710	35,707	428	489	181
102 Mississippi State U	46,528	20,914	1,405	2,162	1,418	17,460	2	1,818	1,349
103 SUNY at Albany	46,242	0	2,064	2,991	369	34,434	2,228	4,156	0
104 Brown University	45,276	5,250	4,179	3,748	8,071	21,568	1,396	1,064	0
105 Rockefeller Univ, The	45,010	0	2,055	0	266	42,689	0	0	0
106 Washington State U	44,610	7,727	4,258	1,124	321	27,895	264	2,981	40
107 U of South Florida	42,005	5,106	557	11,034	123	21,731	2,908	546	0
108 U MA Amherst	39,877	5,747	9,026	2,764	8,455	10,892	2,932	61	0
109 U of Nebraska at Lincoln	36,977	4,257	5,508	6,857	1,129	14,120	182	3,311	1,613
110 U of Rhode Island	36,207	2,645	686	20,105	76	7,132	3,951	351	1,261
Total, 1st 110 institutions	13,677,180	1,967,376	1,512,505	874,725	651,118	7,974,714	237,880	354,968	103,894
111 University of Vermont	36,085	766	739	236	766	31,432	390	0	1,756
112 Rice University	35,012	5,547	8,674	3,784	12,834	3,809	250	114	0
113 U of Alaska Fairbanks	34,647	2,404	16,116	8,091	138	6,254	0	1,644	0
114 University of Delaware	34,628	11,701	7,113	6,173	2,032	4,218	1,079	2,312	0
115 US Naval Postgrad School	33,308e	8,850i	2,087i	8,029i	6,937i	0i	0i	4,564i	2,841i
116 Rush University	31,119	0	0	0	0	30,034	1,085	0	0
117 Med U of South Carolina	30,997	0	0	0	0	30,997	0	0	0
118 University of Dayton	30,755	28,403	1,609	215	95	125	308	0	0
119 U of New Hampshire	30,586	2,889	1,932	18,008	386	4,541	1,087	1,614	129
120 Syracuse University	30,050	6,941	5,249	901	9,181	3,428	1,420	2,120	810
Total, 1st 120 institutions	14,004,367	2,034,877	1,556,024	920,162	683,487	8,089,552	243,499	367,336	109,430
121 Temple University	29,734	171	1,264	40	162	21,570	2,229	4,298	0
122 Brandeis University	29,423	0	2,807	0	1,194	14,534	1,301	9,587	0
123 Kansas State University	28,102	4,526	6,181	203	589	14,633	360	921	689
124 University of Oregon	27,336	516	6,503	2,021	3,219	12,169	1,819	1,089	0
125 Clemson University	27,064	8,331	1,648	259	898	14,718	31	1,064	115
126 Auburn University	27,058	11,392	1,984	341	275	9,971	699	521	1,875
127 U Arkansas Medical Sci	26,392	0	0	0	0	26,392	0	0	0
128 West Virginia University	26,264	10,188	2,872	1,439	251	10,603	216	29	666
129 Montana St U Bozeman	26,231	4,306	5,718	420	350	12,751	0	1,675	1,011
130 U of Alabama Huntsville	25,166	8,556	6,235	4,198	5,024	241	0	14	898
Total, 1st 130 institutions	14,277,137	2,082,863	1,591,236	929,083	695,449	8,227,134	250,154	386,534	114,684
131 U CA Santa Cruz	25,084	2,318	8,250	5,945	1,611	5,603	564	787	6
132 U of Nevada Reno	24,587	1,687	3,774	4,787	168	12,467	766	625	313
133 University of Idaho	24,263	3,243	735	2,046	74	16,173	72	619	1,301
134 U PR Mayaguez Campus	23,784	2,153	1,291	2,916	246	17,154	0	24	0
135 Saint Louis University	23,722	0	0	429	53	23,239	0	1	0
136 University of Notre Dame	23,614	7,012	11,755	0	1,136	2,801	696	214	0
137 Oklahoma State University	23,179	5,706	2,586	349	500	9,637	328	2,840	1,233
138 Rensselaer Polytech Inst	22,803	14,857	4,455	778	1,509	1,008	0	146	50
139 Northeastern University	22,776	9,835	5,036	0	1,466	4,934	1,026	479	0
140 C R Drew U of Med & Sci	22,212	0	0	0	0	22,212	0	0	0
Total, 1st 140 institutions	14,513,161	2,129,674	1,629,118	946,333	702,212	8,342,362	253,606	392,269	117,587
141 Howard University	21,658	1,946	4,226	60	1,314	12,248	980	878	6
142 NJ Inst of Technology	21,127	11,162	1,958	4,014	1,636	0	0	78	2,279
143 SUNY Hlth Sci Ctr Brklyn	21,053	0	0	0	0	21,053	0	0	0
144 Florida A&M University	20,693	3,647	2,017	1,331	1,920	11,778	0	0	0
145 University of Houston	20,443	5,423	4,872	84	2,343	5,220	1,951	548	2
146 Texas Tech University	20,242	6,861	2,700	1,386	766	5,595	139	2,356	439
147 U CA Riverside	19,994	2,141	4,966	2,681	230	7,511	1,985	480	0
148 San Diego St University	19,724	1,155	2,163	1,058	588	10,643	2,391	170	1,556
149 George Mason University	19,492	5,164	5,158	41	1,124	2,365	1,877	3,763	0
150 U of Maine	19,163	2,743	3,654	6,205	241	5,456	311	553	0
Total, 1st 150 institutions	14,716,750	2,169,916	1,660,832	963,193	712,374	8,424,231	263,240	401,095	121,869

See explanatory information and SOURCE at end of table.

**Table B-40. Federally financed R&D expenditures at universities and colleges,
by science and engineering field: fiscal year 1999**

[Dollars in thousands]

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Institution and ranking	Total	Engi- neering	Physical sciences	Environ- mental sciences	Math & computer sciences	Life sciences	Psy- chology	Social sciences	Other sciences
151 University of Wyoming	19,109	1,652	2,027	3,518	314	10,042	171	401	984
152 U TX at El Paso	18,292	4,806	1,380	6,125	819	2,696	437	277	1,752
153 Univ of Alabama, The	17,601	9,939	1,825	1,588	448	1,675	354	1,415	357
154 Loyola U of Chicago	17,588	0	359	26	133	15,904	622	544	0
155 MCP Hahnemann Univ	17,281	0	0	0	0	17,039	133	109	0
156 U of NE Med Ctr	17,167	0	0	0	0	17,167	0	0	0
157 Desert Research Institute	16,552	0	0	11,720	0	0	0	0	4,832
158 Michigan Tech University	16,107	9,581	1,101	1,517	430	3,420	0	58	0
159 U of Central Florida	16,048	2,774	3,884	2,420	328	1,089	536	1,326	3,691
160 U Arkansas Main	15,851	3,896	2,288	358	119	8,939	8	243	0
Total, 1st 160 institutions	14,888,346	2,202,564	1,673,696	990,465	714,965	8,502,202	265,501	405,468	133,485
161 Florida International U	15,757	8,984	720	3,001	1,390	751	282	629	0
162 U MD Baltimore County	15,624	3,891	2,066	4,602	528	2,761	248	1,528	0
163 University of Louisville	15,536	1,414	1,136	71	163	11,227	1,260	265	0
164 OR Grad Inst Sci & Tech	15,303	1,515	3,214	3,034	7,522	0	0	18	0
165 Univ of Montana, The	14,627	0	773	230	1,366	11,368	36	854	0
166 Boston College	14,492	0	4,708	465	6,879	1,219	262	959	0
167 Georgia State University	14,310	0	1,174	54	494	3,315	2,694	6,579	0
168 U Southern Mississippi	14,124	151	2,832	6,489	143	1,329	123	129	2,928
169 New York Medical College	14,029	0	0	0	0	14,029	0	0	0
170 Medical Col of Georgia	13,991	0	0	0	0	13,991	0	0	0
Total, 1st 170 institutions	15,036,139	2,218,519	1,690,319	1,008,411	733,450	8,562,192	270,406	416,429	136,413
171 U PR Med Sci Campus	13,971	0	0	0	0	13,971	0	0	0
172 U MD Biotechnology Inst	13,911	0	0	5,894	0	8,017	0	0	0
173 Old Dominion University	13,706	6,196	1,405	3,665	1,217	667	235	321	0
174 Univ of North Dakota	13,615	6,892	459	1,365	73	3,641	0	329	856
175 Lehigh University	13,161	9,152	2,127	1,060	115	574	129	4	0
176 Morehouse School of Med	12,948	0	0	0	0	12,948	0	0	0
177 Drexel University	12,914	10,620	1,131	255	846	0	0	62	0
178 Mercer University	12,657	11,608	337	0	0	712	0	0	0
179 NC A&T State University	12,454	7,756	565	0	416	2,956	152	558	51
180 Wright State University	12,365	1,678	1,331	328	347	8,241	409	31	0
Total, 1st 180 institutions	15,167,841	2,272,421	1,697,674	1,020,978	736,464	8,613,919	271,331	417,734	137,320
181 North Dakota State U	12,308	401	3,538	70	657	4,941	415	2,286	0
182 Loma Linda University	12,217	0	0	0	0	12,217	0	0	0
183 Clark Atlanta University	12,116	2,171 i	2,295 i	3,340 i	1,406 i	2,563 i	0 i	341 i	0 i
184 CA St U Long Beach	11,929	8,987 i	802 i	1,103 i	0 i	930 i	73 i	0 i	34 i
185 Col of William & Mary	11,892	0	2,969	7,769	570	386	23	175	0
186 San Jose State University	11,825e	3,077e	1,052e	4,363e	122e	476e	2,698e	37e	0e
187 Brigham Young University	11,414	4,701	2,036	129	863	2,481	46	931	227
188 Eastern VA Med School	11,354	0	0	0	0	11,354	0	0	0
189 Catholic U of America	11,064	2,056	7,042	0	0	763	1,131	64	8
190 Florida Atlantic U	11,036	8,146	316	111	360	97	1,334	523	149
Total, 1st 190 institutions	15,284,996	2,301,960	1,717,724	1,037,863	740,442	8,650,127	277,051	422,091	137,738

See explanatory information and SOURCE at end of table.

**Table B-40. Federally financed R&D expenditures at universities and colleges,
by science and engineering field: fiscal year 1999**

[Dollars in thousands]

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Institution and ranking	Total	Engi- neering	Physical sciences	Environ- mental sciences	Math & computer sciences	Life sciences	Psy- chology	Social sciences	Other sciences
191 NM Inst Mining & Tech	10,719	7,807	880	1,827	15	190	0	0	0
192 Colorado School of Mines	10,704	5,967	3,430	799	396	0	0	112	0
193 Ohio University	10,544	5,188	2,484	172	19	1,690	818	168	5
194 U MA Lowell	10,354	3,485	4,108	1,782	122	447	352	1	57
195 U of Nevada Las Vegas	10,248	595	2,317	5,658	190	1,386	102	0	0
196 CUNY City College	9,992	1,940	5,538	428	800	1,021	265	0	0
197 U Mississippi, All Camp	9,952	1,777	3,859	0	22	2,926	260	394	714
198 Illinois Inst of Tech	9,777	3,931	760	0	295	4,781	10	0	0
199 Unif Svcs U of Hlth Sci	9,696	0	0	0	0	9,696	0	0	0
200 U of South Alabama	9,451e	460e	51e	249e	165e	8,456e	42e	28e	0e
Total, 1st 200 institutions	15,386,433	2,333,110	1,741,151	1,048,778	742,466	8,680,720	278,900	422,794	138,514
Total, all other sampled institutions	660,364	105,163	118,366	51,903	48,923	239,500	31,219	49,526	15,764

¹ Johns Hopkins University includes Applied Physics Laboratory.

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

KEY: e = estimated
i = imputed

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 1999