

**Table B-20. Non-Federal R&D expenditures at historically black colleges and universities, by source of funds and science and engineering field: fiscal years 1993-2000**

[Dollars in thousands]

Source and field	1993	1994	1995	1996	1997	1998	1999	2000
Total .....	34,162	36,878	42,099	41,246	36,113	44,557	38,312	34,907
Source of funds								
State and local government .....	8,577	9,533	11,162	11,842	11,346	12,908	6,877	10,474
Industry .....	4,796	6,724	6,481	6,450	5,182	5,030	5,388	6,084
Institutional funds .....	17,716	17,187	21,050	19,697	13,962	10,696	14,681	13,163
All other sources .....	3,073	3,434	3,406	3,257	5,623	15,923	11,366	5,186
Field								
Engineering .....	5,248	5,160	4,478	5,523	4,671	7,025	4,261	3,932
Aeronautical and astronautical .....	0	133	171	416	81	303	304	77
Bioengineering/bio- medical .....	--	--	--	--	5	0	0	315
Chemical .....	274	264	267	312	499	992	472	214
Civil .....	1,163	897	826	1,538	1,222	824	996	982
Electrical .....	579	1,135	622	804	257	461	952	794
Mechanical .....	1,546	1,201	982	1,164	1,627	3,242	763	516
Metallurgical and materials .....	0	89	88	350	292	148	77	5
Other, n.e.c. ....	1,686	1,441	1,522	939	688	1,055	697	1,029
All sciences .....	28,914	31,718	37,621	35,723	31,442	37,532	34,051	30,975
Physical sciences .....	4,908	7,121	5,258	4,948	4,700	5,501	5,069	4,176
Astronomy .....	32	96	200	123	23	13	358	432
Chemistry .....	1,295	2,033	1,917	2,150	2,520	3,020	1,770	1,139
Physics .....	3,318	4,946	3,034	2,623	2,122	2,227	2,880	2,549
Other, n.e.c. ....	263	46	107	52	35	241	61	56
Environmental sciences .....	1,006	1,710	10,045	4,730	3,080	2,774	3,145	1,908
Atmospheric .....	478	496	395	333	304	44	53	40
Earth sciences .....	7	470	662	1,161	1,032	1,335	1,401	1,052
Oceanography .....	33	503	301	116	94	94	64	116
Other, n.e.c. ....	488	241	8,687	3,120	1,650	1,301	1,627	700
Mathematical sciences .....	2,355	661	1,418	2,243	2,030	2,718	2,307	1,325
Computer sciences .....	548	803	1,840	3,478	1,883	1,854	2,136	1,772
Life sciences .....	13,491	17,032	13,466	16,193	16,377	20,139	15,225	16,625
Agricultural sciences .....	6,216	6,588	6,590	6,212	8,109	12,446	8,260	7,633
Biological sciences .....	3,509	6,059	4,006	6,539	5,510	4,677	3,193	3,331
Medical sciences .....	2,761	3,157	1,847	2,242	1,141	2,105	2,563	3,679
Other, n.e.c. ....	1,005	1,228	1,023	1,200	1,617	911	1,209	1,982
Psychology .....	276	650	282	290	110	23	498	366
Social sciences .....	4,390	2,437	3,033	3,135	2,597	2,469	3,105	2,921
Economics .....	357	146	292	161	168	93	173	306
Political science .....	406	275	265	324	530	210	165	223
Sociology .....	954	1,052	1,005	1,104	787	1,027	1,387	874
Other, n.e.c. ....	2,673	964	1,471	1,546	1,112	1,139	1,380	1,518
Other sciences, n.e.c. ....	1,940	1,304	2,279	706	665	2,054	2,566	1,882

**KEY:** -- = not available  
n.e.c. = not elsewhere classified

**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