

Table B-11. Non-Federal R&D expenditures at public universities and colleges, 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 | 6,204,654 | 6,476,136 | 6,849,622 | 7,120,452 | 7,852,713 | 8,405,318 | 8,975,412 | 9,879,556 |
| Source of funds | | | | | | | | |
| State and local government | 1,416,215 | 1,404,414 | 1,511,987 | 1,649,554 | 1,741,397 | 1,772,885 | 1,847,522 | 2,009,336 |
| Industry | 894,623 | 946,642 | 1,003,232 | 1,076,445 | 1,175,777 | 1,279,637 | 1,343,096 | 1,446,530 |
| Institutional funds | 2,981,750 | 3,190,253 | 3,386,673 | 3,418,131 | 3,887,782 | 4,214,706 | 4,565,011 | 4,992,452 |
| All other sources | 912,066 | 934,827 | 947,730 | 976,322 | 1,047,757 | 1,138,090 | 1,219,783 | 1,431,238 |
| Field | | | | | | | | |
| Engineering | 1,040,886 | 1,108,254 | 1,164,225 | 1,203,570 | 1,314,371 | 1,425,086 | 1,533,109 | 1,661,320 |
| Aeronautical and aeronautical | 36,529 | 37,626 | 45,116 | 46,991 | 53,731 | 58,306 | 67,332 | 63,530 |
| Bioengineering/bio- medical | -- | -- | -- | -- | 23,116 | 35,615 | 49,869 | 63,735 |
| Chemical | 96,431 | 96,318 | 104,988 | 111,323 | 123,380 | 128,221 | 136,221 | 141,773 |
| Civil | 192,650 | 214,943 | 220,020 | 230,615 | 244,311 | 269,395 | 280,243 | 328,571 |
| Electrical | 178,182 | 195,462 | 217,477 | 222,532 | 248,994 | 281,069 | 298,413 | 332,977 |
| Mechanical | 132,327 | 133,643 | 146,940 | 143,989 | 153,224 | 175,844 | 192,918 | 201,093 |
| Metallurgical and materials | 120,860 | 128,445 | 129,639 | 133,391 | 141,004 | 135,495 | 137,878 | 144,281 |
| Other, n.e.c. | 283,907 | 301,817 | 300,045 | 314,729 | 326,611 | 341,141 | 370,235 | 385,360 |
| All sciences | 5,163,768 | 5,367,882 | 5,685,397 | 5,916,882 | 6,538,342 | 6,980,232 | 7,442,303 | 8,218,236 |
| Physical sciences | 487,124 | 491,442 | 499,380 | 499,188 | 555,627 | 582,831 | 622,338 | 660,371 |
| Astronomy | 75,359 | 71,245 | 80,137 | 78,549 | 89,425 | 96,430 | 102,278 | 99,891 |
| Chemistry | 179,393 | 185,185 | 180,475 | 190,202 | 207,767 | 226,307 | 241,156 | 261,479 |
| Physics | 182,358 | 184,336 | 188,913 | 187,505 | 211,627 | 217,850 | 243,292 | 257,319 |
| Other, n.e.c. | 50,014 | 50,676 | 49,855 | 42,932 | 46,808 | 42,244 | 35,612 | 41,682 |
| Environmental sciences | 402,662 | 408,066 | 417,774 | 429,337 | 472,042 | 495,836 | 534,062 | 575,302 |
| Atmospheric | 47,086 | 38,854 | 41,903 | 45,229 | 56,206 | 56,057 | 60,919 | 60,090 |
| Earth sciences | 154,310 | 162,077 | 160,654 | 156,785 | 162,358 | 179,999 | 199,825 | 208,126 |
| Oceanography | 120,921 | 126,270 | 134,185 | 153,022 | 173,946 | 176,370 | 188,278 | 201,893 |
| Other, n.e.c. | 80,345 | 80,865 | 81,032 | 74,301 | 79,532 | 83,410 | 85,040 | 105,193 |
| Mathematical sciences | 56,649 | 62,983 | 61,430 | 66,519 | 71,081 | 80,302 | 85,909 | 91,839 |
| Computer sciences | 126,712 | 131,410 | 132,752 | 126,604 | 139,838 | 168,192 | 204,050 | 221,180 |
| Life sciences | 3,419,100 | 3,568,709 | 3,829,484 | 3,990,660 | 4,420,388 | 4,764,648 | 5,044,159 | 5,642,945 |
| Agricultural sciences | 1,077,303 | 1,133,589 | 1,247,438 | 1,315,567 | 1,383,752 | 1,422,308 | 1,451,482 | 1,557,241 |
| Biological sciences | 912,353 | 939,484 | 987,073 | 997,988 | 1,090,214 | 1,215,818 | 1,348,651 | 1,448,850 |
| Medical sciences | 1,303,860 | 1,368,396 | 1,463,192 | 1,536,278 | 1,792,142 | 1,948,497 | 2,077,836 | 2,410,771 |
| Other, n.e.c. | 125,584 | 127,240 | 131,781 | 140,827 | 154,280 | 178,025 | 166,190 | 226,083 |
| Psychology | 84,594 | 87,943 | 91,927 | 92,511 | 99,980 | 117,158 | 125,034 | 133,391 |
| Social sciences | 420,134 | 453,741 | 490,034 | 532,892 | 559,649 | 562,455 | 618,153 | 633,729 |
| Economics | 120,909 | 134,078 | 142,018 | 152,909 | 141,871 | 142,197 | 148,973 | 137,200 |
| Political science | 65,837 | 72,718 | 78,566 | 81,388 | 83,458 | 81,002 | 93,961 | 108,240 |
| Sociology | 70,631 | 78,519 | 90,112 | 89,735 | 109,125 | 109,104 | 118,773 | 126,831 |
| Other, n.e.c. | 162,757 | 168,426 | 179,338 | 208,860 | 225,195 | 230,152 | 256,446 | 261,458 |
| Other sciences, n.e.c. | 166,793 | 163,588 | 162,616 | 179,171 | 219,737 | 208,810 | 208,598 | 259,479 |

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