

Table 9.7—SUMMARY OF OUTLAYS FOR THE CONDUCT OF RESEARCH AND DEVELOPMENT: 1949–1997

| Fiscal Year                      | In Millions of Dollars |             |        | In Billions of Constant (FY 1987) Dollars |             |       | As Percentages of Total Outlays |             |       | As Percentages of GDP |             |       |
|----------------------------------|------------------------|-------------|--------|-------------------------------------------|-------------|-------|---------------------------------|-------------|-------|-----------------------|-------------|-------|
|                                  | National Defense       | Non-defense | Total  | National Defense                          | Non-defense | Total | National Defense                | Non-defense | Total | National Defense      | Non-defense | Total |
| 1949 .....                       | 762                    | 178         | 940    | 3.8                                       | 0.9         | 4.6   | 2.0                             | 0.5         | 2.4   | 0.3                   | 0.1         | 0.4   |
| 1950 .....                       | 772                    | 282         | 1,054  | 3.9                                       | 1.4         | 5.3   | 1.8                             | 0.7         | 2.5   | 0.3                   | 0.1         | 0.4   |
| 1951 .....                       | 846                    | 279         | 1,125  | 4.0                                       | 1.3         | 5.3   | 1.9                             | 0.6         | 2.5   | 0.3                   | 0.1         | 0.4   |
| 1952 .....                       | 1,204                  | 291         | 1,495  | 5.6                                       | 1.4         | 7.0   | 1.8                             | 0.4         | 2.2   | 0.4                   | 0.1         | 0.4   |
| 1953 .....                       | 1,553                  | 295         | 1,848  | 7.1                                       | 1.3         | 8.4   | 2.0                             | 0.4         | 2.4   | 0.4                   | 0.1         | 0.5   |
| 1954 .....                       | 1,551                  | 297         | 1,848  | 7.0                                       | 1.3         | 8.3   | 2.2                             | 0.4         | 2.6   | 0.4                   | 0.1         | 0.5   |
| 1955 .....                       | 1,550                  | 345         | 1,895  | 6.8                                       | 1.5         | 8.4   | 2.3                             | 0.5         | 2.8   | 0.4                   | 0.1         | 0.5   |
| 1956 .....                       | 1,898                  | 428         | 2,326  | 8.1                                       | 1.8         | 9.9   | 2.7                             | 0.6         | 3.3   | 0.5                   | 0.1         | 0.6   |
| 1957 .....                       | 2,134                  | 577         | 2,711  | 8.8                                       | 2.4         | 11.2  | 2.8                             | 0.8         | 3.5   | 0.5                   | 0.1         | 0.6   |
| 1958 .....                       | 2,459                  | 729         | 3,188  | 9.9                                       | 2.9         | 12.8  | 3.0                             | 0.9         | 3.9   | 0.5                   | 0.2         | 0.7   |
| 1959 .....                       | 5,364                  | 1,020       | 6,384  | 21.1                                      | 4.0         | 25.1  | 5.8                             | 1.1         | 6.9   | 1.1                   | 0.2         | 1.3   |
| 1960 .....                       | 5,937                  | 1,385       | 7,322  | 22.8                                      | 5.3         | 28.1  | 6.4                             | 1.5         | 7.9   | 1.2                   | 0.3         | 1.5   |
| 1961 .....                       | 6,922                  | 1,864       | 8,786  | 26.3                                      | 7.1         | 33.4  | 7.1                             | 1.9         | 9.0   | 1.3                   | 0.4         | 1.7   |
| 1962 .....                       | 7,090                  | 2,747       | 9,837  | 26.5                                      | 10.3        | 36.7  | 6.6                             | 2.6         | 9.2   | 1.3                   | 0.5         | 1.8   |
| 1963 .....                       | 7,144                  | 4,221       | 11,365 | 26.2                                      | 15.5        | 41.7  | 6.4                             | 3.8         | 10.2  | 1.2                   | 0.7         | 1.9   |
| 1964 .....                       | 7,865                  | 5,931       | 13,796 | 28.4                                      | 21.4        | 49.9  | 6.6                             | 5.0         | 11.6  | 1.3                   | 0.9         | 2.2   |
| 1965 .....                       | 7,077                  | 6,763       | 13,840 | 25.0                                      | 23.9        | 48.9  | 6.0                             | 5.7         | 11.7  | 1.1                   | 1.0         | 2.1   |
| 1966 .....                       | 7,097                  | 7,821       | 14,918 | 24.4                                      | 26.8        | 51.2  | 5.3                             | 5.8         | 11.1  | 1.0                   | 1.1         | 2.0   |
| 1967 .....                       | 8,068                  | 7,894       | 15,962 | 26.8                                      | 26.2        | 53.0  | 5.1                             | 5.0         | 10.1  | 1.0                   | 1.0         | 2.0   |
| 1968 .....                       | 8,544                  | 7,628       | 16,172 | 27.3                                      | 24.4        | 51.7  | 4.8                             | 4.3         | 9.1   | 1.0                   | 0.9         | 1.9   |
| 1969 .....                       | 8,314                  | 7,346       | 15,660 | 25.3                                      | 22.4        | 47.7  | 4.5                             | 4.0         | 8.5   | 0.9                   | 0.8         | 1.7   |
| 1970 .....                       | 8,021                  | 7,132       | 15,153 | 23.2                                      | 20.6        | 43.8  | 4.1                             | 3.6         | 7.7   | 0.8                   | 0.7         | 1.5   |
| 1971 .....                       | 8,108                  | 7,301       | 15,409 | 22.3                                      | 20.1        | 42.3  | 3.9                             | 3.5         | 7.3   | 0.8                   | 0.7         | 1.5   |
| 1972 .....                       | 8,837                  | 7,466       | 16,303 | 23.1                                      | 19.5        | 42.6  | 3.8                             | 3.2         | 7.1   | 0.8                   | 0.7         | 1.4   |
| 1973 .....                       | 9,139                  | 7,896       | 17,035 | 22.7                                      | 19.6        | 42.4  | 3.7                             | 3.2         | 6.9   | 0.7                   | 0.6         | 1.3   |
| 1974 .....                       | 9,406                  | 8,028       | 17,434 | 21.7                                      | 18.5        | 40.3  | 3.5                             | 3.0         | 6.5   | 0.7                   | 0.6         | 1.2   |
| 1975 .....                       | 9,715                  | 8,821       | 18,536 | 20.4                                      | 18.5        | 39.0  | 2.9                             | 2.7         | 5.6   | 0.6                   | 0.6         | 1.2   |
| 1976 .....                       | 9,819                  | 10,169      | 19,988 | 19.2                                      | 19.8        | 39.0  | 2.6                             | 2.7         | 5.4   | 0.6                   | 0.6         | 1.2   |
| TQ .....                         | 2,455                  | 2,745       | 5,200  | 4.6                                       | 5.2         | 9.8   | 2.6                             | 2.9         | 5.4   | 0.6                   | 0.6         | 1.2   |
| 1977 .....                       | 10,874                 | 10,569      | 21,443 | 19.6                                      | 19.1        | 38.7  | 2.7                             | 2.6         | 5.2   | 0.6                   | 0.6         | 1.1   |
| 1978 .....                       | 12,077                 | 12,455      | 24,532 | 20.3                                      | 20.9        | 41.2  | 2.6                             | 2.7         | 5.3   | 0.6                   | 0.6         | 1.1   |
| 1979 .....                       | 12,129                 | 14,196      | 26,325 | 18.7                                      | 21.9        | 40.7  | 2.4                             | 2.8         | 5.2   | 0.5                   | 0.6         | 1.1   |
| 1980 .....                       | 14,643                 | 15,592      | 30,235 | 20.7                                      | 22.1        | 42.8  | 2.5                             | 2.6         | 5.1   | 0.6                   | 0.6         | 1.1   |
| 1981 .....                       | 16,937                 | 17,231      | 34,168 | 21.8                                      | 22.2        | 43.9  | 2.5                             | 2.5         | 5.0   | 0.6                   | 0.6         | 1.2   |
| 1982 .....                       | 19,809                 | 14,850      | 34,660 | 23.7                                      | 17.8        | 41.5  | 2.7                             | 2.0         | 4.6   | 0.6                   | 0.5         | 1.1   |
| 1983 .....                       | 22,298                 | 13,602      | 35,900 | 25.6                                      | 15.6        | 41.3  | 2.8                             | 1.7         | 4.4   | 0.7                   | 0.4         | 1.1   |
| 1984 .....                       | 25,765                 | 15,221      | 40,986 | 28.4                                      | 16.8        | 45.1  | 3.0                             | 1.8         | 4.8   | 0.7                   | 0.4         | 1.1   |
| 1985 .....                       | 30,360                 | 16,856      | 47,216 | 32.2                                      | 17.9        | 50.1  | 3.2                             | 1.8         | 5.0   | 0.8                   | 0.4         | 1.2   |
| 1986 .....                       | 35,656                 | 16,485      | 52,141 | 36.7                                      | 17.0        | 53.7  | 3.6                             | 1.7         | 5.3   | 0.8                   | 0.4         | 1.2   |
| 1987 .....                       | 37,097                 | 16,159      | 53,256 | 37.1                                      | 16.2        | 53.3  | 3.7                             | 1.6         | 5.3   | 0.8                   | 0.4         | 1.2   |
| 1988 .....                       | 38,032                 | 18,068      | 56,100 | 36.7                                      | 17.4        | 54.1  | 3.6                             | 1.7         | 5.3   | 0.8                   | 0.4         | 1.2   |
| 1989 <sup>1</sup> .....          | 40,366                 | 20,394      | 60,760 | 37.3                                      | 18.8        | 56.1  | 3.5                             | 1.8         | 5.3   | 0.8                   | 0.4         | 1.2   |
| 1990 <sup>1</sup> .....          | 41,078                 | 22,732      | 63,810 | 36.4                                      | 20.1        | 56.5  | 3.3                             | 1.8         | 5.1   | 0.7                   | 0.4         | 1.2   |
| 1991 <sup>1</sup> .....          | 37,887                 | 24,296      | 62,183 | 32.2                                      | 20.7        | 52.9  | 2.9                             | 1.8         | 4.7   | 0.7                   | 0.4         | 1.1   |
| 1992 <sup>1</sup> .....          | 38,170                 | 26,558      | 64,728 | 31.5                                      | 21.9        | 53.4  | 2.8                             | 1.9         | 4.7   | 0.6                   | 0.4         | 1.1   |
| 1993 <sup>1</sup> .....          | 40,396                 | 27,982      | 68,378 | 32.6                                      | 22.6        | 55.1  | 2.9                             | 2.0         | 4.9   | 0.6                   | 0.4         | 1.1   |
| 1994 <sup>1</sup> .....          | 38,055                 | 28,397      | 66,453 | 30.1                                      | 22.5        | 52.6  | 2.6                             | 1.9         | 4.5   | 0.6                   | 0.4         | 1.0   |
| 1995 <sup>1</sup> .....          | 37,699                 | 30,733      | 68,432 | 29.3                                      | 23.9        | 53.1  | 2.5                             | 2.0         | 4.5   | 0.5                   | 0.4         | 1.0   |
| 1996 estimate <sup>1</sup> ..... | 37,682                 | 30,834      | 68,516 | 28.7                                      | 23.5        | 52.2  | 2.4                             | 2.0         | 4.4   | 0.5                   | 0.4         | 0.9   |
| 1997 estimate <sup>1</sup> ..... | 37,292                 | 31,796      | 69,088 | 27.8                                      | 23.7        | 51.5  | 2.3                             | 1.9         | 4.2   | 0.5                   | 0.4         | 0.9   |

<sup>1</sup> Includes off-budget Postal Service investments of the following amounts (in millions of current dollars): 1989: 64; 1990: 82; 1991: 116; 1992: 152; 1993: 57; 1994: 51; 1995: 52; 1996: 67; 1997: 71. Note: GDP data / percentages and constant-dollar data / deflators are based on pre-benchmark revision GDP.