

Table 9.7—SUMMARY OF OUTLAYS FOR THE CONDUCT OF RESEARCH AND DEVELOPMENT: 1949–2004

Fiscal Year	In Millions of Dollars			In Billions of Constant (FY 1996) 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	4.4	1.0	5.4	2.0	0.5	2.4	0.3	0.1	0.3
1950	772	282	1,054	4.5	1.6	6.1	1.8	0.7	2.5	0.3	0.1	0.4
1951	846	279	1,125	4.7	1.5	6.2	1.9	0.6	2.5	0.3	0.1	0.4
1952	1,204	291	1,495	6.4	1.5	7.9	1.8	0.4	2.2	0.3	0.1	0.4
1953	1,553	295	1,848	8.1	1.5	9.6	2.0	0.4	2.4	0.4	0.1	0.5
1954	1,551	297	1,848	8.0	1.5	9.5	2.2	0.4	2.6	0.4	0.1	0.5
1955	1,550	345	1,895	7.9	1.8	9.7	2.3	0.5	2.8	0.4	0.1	0.5
1956	1,898	428	2,326	9.4	2.1	11.5	2.7	0.6	3.3	0.4	0.1	0.5
1957	2,134	577	2,711	10.2	2.8	13.0	2.8	0.8	3.5	0.5	0.1	0.6
1958	2,459	729	3,188	11.4	3.4	14.8	3.0	0.9	3.9	0.5	0.2	0.7
1959	5,364	1,020	6,384	24.5	4.7	29.2	5.8	1.1	6.9	1.1	0.2	1.3
1960	5,937	1,385	7,322	26.8	6.3	33.1	6.4	1.5	7.9	1.1	0.3	1.4
1961	6,922	1,864	8,786	30.9	8.3	39.2	7.1	1.9	9.0	1.3	0.4	1.7
1962	7,090	2,747	9,837	31.3	12.1	43.4	6.6	2.6	9.2	1.2	0.5	1.7
1963	7,144	4,221	11,365	31.1	18.4	49.5	6.4	3.8	10.2	1.2	0.7	1.9
1964	7,865	5,931	13,796	33.8	25.5	59.3	6.6	5.0	11.6	1.2	0.9	2.2
1965	7,077	6,763	13,840	29.9	28.6	58.5	6.0	5.7	11.7	1.0	1.0	2.0
1966	7,097	7,821	14,918	29.4	32.4	61.7	5.3	5.8	11.1	0.9	1.0	2.0
1967	8,068	7,894	15,962	32.3	31.7	64.0	5.1	5.0	10.1	1.0	1.0	2.0
1968	8,544	7,628	16,172	33.1	29.5	62.6	4.8	4.3	9.1	1.0	0.9	1.9
1969	8,314	7,346	15,660	30.8	27.2	58.0	4.5	4.0	8.5	0.9	0.8	1.6
1970	8,021	7,132	15,153	28.2	25.0	53.2	4.1	3.6	7.7	0.8	0.7	1.5
1971	8,108	7,301	15,409	27.1	24.4	51.5	3.9	3.5	7.3	0.7	0.7	1.4
1972	8,837	7,466	16,303	28.2	23.8	52.1	3.8	3.2	7.1	0.7	0.6	1.4
1973	9,139	7,896	17,035	27.9	24.1	52.1	3.7	3.2	6.9	0.7	0.6	1.3
1974	9,406	8,028	17,434	26.8	22.9	49.8	3.5	3.0	6.5	0.7	0.6	1.2
1975	9,715	8,821	18,536	25.1	22.8	47.9	2.9	2.7	5.6	0.6	0.6	1.2
1976	9,819	10,169	19,988	23.7	24.6	48.3	2.6	2.7	5.4	0.6	0.6	1.2
TQ	2,455	2,745	5,200	5.7	6.4	12.2	2.6	2.9	5.4	0.5	0.6	1.1
1977	10,874	10,569	21,443	24.4	23.7	48.2	2.7	2.6	5.2	0.6	0.5	1.1
1978	12,077	12,455	24,532	25.4	26.2	51.6	2.6	2.7	5.3	0.5	0.6	1.1
1979	12,129	14,196	26,325	23.6	27.6	51.2	2.4	2.8	5.2	0.5	0.6	1.1
1980	14,643	15,592	30,235	26.2	27.8	54.0	2.5	2.6	5.1	0.5	0.6	1.1
1981	16,937	17,231	34,168	27.6	28.1	55.6	2.5	2.5	5.0	0.6	0.6	1.1
1982	19,809	14,850	34,660	30.1	22.6	52.7	2.7	2.0	4.6	0.6	0.5	1.1
1983	22,298	13,602	35,900	32.5	19.8	52.3	2.8	1.7	4.4	0.6	0.4	1.0
1984	25,765	15,221	40,986	36.2	21.4	57.6	3.0	1.8	4.8	0.7	0.4	1.1
1985	30,360	16,856	47,216	41.3	22.9	64.2	3.2	1.8	5.0	0.7	0.4	1.1
1986	35,656	16,485	52,141	47.4	21.9	69.3	3.6	1.7	5.3	0.8	0.4	1.2
1987	37,097	16,159	53,256	48.0	20.9	68.9	3.7	1.6	5.3	0.8	0.3	1.1
1988	38,032	18,068	56,100	47.6	22.6	70.2	3.6	1.7	5.3	0.8	0.4	1.1
1989 ¹	40,366	20,394	60,760	48.7	24.6	73.3	3.5	1.8	5.3	0.7	0.4	1.1
1990 ¹	41,078	22,732	63,810	47.7	26.4	74.2	3.3	1.8	5.1	0.7	0.4	1.1
1991 ¹	37,887	24,296	62,183	42.4	27.2	69.6	2.9	1.8	4.7	0.6	0.4	1.0
1992 ¹	38,170	26,558	64,728	41.6	28.9	70.6	2.8	1.9	4.7	0.6	0.4	1.0
1993 ¹	40,396	27,982	68,378	43.0	29.8	72.8	2.9	2.0	4.9	0.6	0.4	1.0
1994 ¹	38,055	28,397	66,453	39.7	29.6	69.3	2.6	1.9	4.5	0.5	0.4	1.0
1995 ¹	37,699	30,733	68,432	38.5	31.3	69.8	2.5	2.0	4.5	0.5	0.4	0.9
1996 ¹	39,428	29,011	68,439	39.4	29.0	68.4	2.5	1.9	4.4	0.5	0.4	0.9
1997 ¹	40,177	30,896	71,073	39.4	30.3	69.7	2.5	1.9	4.4	0.5	0.4	0.9
1998 ¹	40,141	32,662	72,803	38.8	31.6	70.4	2.4	2.0	4.4	0.5	0.4	0.8
1999 ¹	40,276	33,860	74,136	38.4	32.3	70.8	2.4	2.0	4.4	0.4	0.4	0.8
2000 ¹	41,050	32,897	73,947	38.4	30.8	69.2	2.3	1.8	4.1	0.4	0.3	0.8
2001 ¹	44,147	35,942	80,089	40.4	32.9	73.2	2.4	1.9	4.3	0.4	0.4	0.8
2002 ¹	48,238	39,673	87,911	43.5	35.8	79.3	2.4	2.0	4.4	0.5	0.4	0.9
2003 estimate ¹	57,061	44,700	101,761	50.9	39.8	90.7	2.7	2.1	4.8	0.5	0.4	0.9
2004 estimate ¹	62,898	49,210	112,108	55.2	43.2	98.5	2.8	2.2	5.0	0.6	0.4	1.0

¹ 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: 55; 1997: 68; 1998: 77; 1999: 45; 2000: 42; 2001: 29; 2002: 43; 2003: 46; 2004: 47.