

Table A146: Nominal exchange rates 1791-2010 (national currency per US\$)

	USA (US\$)	UK (£)	France	Germany	Italy	Australia (A\$)	Canada (C\$)	Japan (Yen)	Eurozone (€)	(Memo: FF)	(Memo: DM)	(Memo: Lire)
Notes			old franc until 1948, euro from 1949 on	mark until 1949, euro from 1950 on. 1924: back to 1 US\$=4.2 RM	lire until 1949, euro from 1950 on	Australian dollar throughout	MW: 1918 and 1942-1946: no data (use GFD); after 1950: fully consistent with IMF IFS.				1924: back to 1 US\$=4.2 RM (GFD average gives misleading result)	
1791	1.00	0.22										
1792	1.00	0.22										
1793	1.00	0.22										
1794	1.00	0.21										
1795	1.00	0.22										
1796	1.00	0.23		2.96							2.96	
1797	1.00	0.23		2.92							2.92	
1798	1.00	0.23		2.90							2.90	
1799	1.00	0.23		2.90							2.90	
1800	1.00	0.22	5.07	3.04						5.07	3.04	
1801	1.00	0.23	5.14	2.96						5.14	2.96	
1802	1.00	0.23	4.87	2.74						4.87	2.74	
1803	1.00	0.22	4.53	2.80						4.53	2.80	
1804	1.00	0.22	4.65	2.84						4.65	2.84	
1805	1.00	0.22	4.56	2.84						4.56	2.84	
1806	1.00	0.23	4.57	2.92						4.57	2.92	
1807	1.00	0.23	4.66	2.99						4.66	2.99	
1808	1.00	0.21	4.30	2.96						4.30	2.96	
1809	1.00	0.22	4.22	2.89						4.22	2.89	
1810	1.00	0.23	4.49	2.78						4.49	2.78	
1811	1.00	0.26	4.64	2.90						4.64	2.90	
1812	1.00	0.27	4.51	2.62						4.51	2.62	
1813	1.00	0.26	4.72	2.28						4.72	2.28	
1814	1.00	0.24	5.37	2.48						5.37	2.48	
1815	1.00	0.22	5.08	2.70						5.08	2.70	
1816	1.00	0.21	4.95	2.72						4.95	2.72	
1817	1.00	0.22	5.39	2.57	5.93					5.39	2.57	5.93
1818	1.00	0.23	5.44	2.64	5.92					5.44	2.64	5.92
1819	1.00	0.23	5.45	2.82	5.95					5.45	2.82	5.95
1820	1.00	0.22	5.47	2.89	6.00					5.47	2.89	6.00
1821	1.00	0.21	5.37	2.86	5.78					5.37	2.86	5.78
1822	1.00	0.20	5.21	2.85	5.56					5.21	2.85	5.56
1823	1.00	0.20	5.27	2.82	5.64	0.46				5.27	2.82	5.64
1824	1.00	0.21	5.25	2.80	5.66	0.49				5.25	2.80	5.66
1825	1.00	0.21	5.26	2.81	5.56	0.48				5.26	2.81	5.56
1826	1.00	0.20	5.29	2.78	5.40	0.44				5.29	2.78	5.40
1827	1.00	0.20	5.18	2.76	5.19	0.42				5.18	2.76	5.19
1828	1.00	0.20	5.16	2.81	5.18	0.41				5.16	2.81	5.18
1829	1.00	0.21	5.22	2.77	5.28	0.41				5.22	2.77	5.28
1830	1.00	0.21	5.24	2.75	5.40	0.41				5.24	2.75	5.40
1831	1.00	0.21	5.20	2.82	5.35	0.41				5.20	2.82	5.35
1832	1.00	0.21	5.25	2.89	5.32	0.41				5.25	2.89	5.32
1833	1.00	0.21	5.40	2.90	5.46	0.41				5.40	2.90	5.46
1834	1.00	0.21	5.42	2.83	5.49	0.42				5.42	2.83	5.49
1835	1.00	0.21	5.32	2.80	5.40	0.41				5.32	2.80	5.40
1836	1.00	0.21	5.26	2.75	5.38	0.40				5.26	2.75	5.38
1837	1.00	0.20	5.20	2.73	5.31	0.39				5.20	2.73	5.31
1838	1.00	0.20	5.15	2.75	5.25	0.38				5.15	2.75	5.25
1839	1.00	0.21	5.19	2.74	5.29	0.40				5.19	2.74	5.29
1840	1.00	0.21	5.19	2.76	5.32	0.41				5.19	2.76	5.32
1841	1.00	0.21	5.21	2.79	5.33	0.41				5.21	2.79	5.33
1842	1.00	0.21	5.33	2.82	5.41	0.41				5.33	2.82	5.41
1843	1.00	0.21	5.37	2.82	5.44	0.42				5.37	2.82	5.44
1844	1.00	0.21	5.27	2.78	5.34	0.41				5.27	2.78	5.34
1845	1.00	0.21	5.25	2.82	5.41	0.41				5.25	2.82	5.41
1846	1.00	0.21	5.33	2.83	5.51	0.41				5.33	2.83	5.51
1847	1.00	0.21	5.31	2.82	5.42	0.42				5.31	2.82	5.42
1848	1.00	0.21	5.24	2.84	5.39	0.42				5.24	2.84	5.39
1849	1.00	0.21	5.26	2.80	5.48	0.42				5.26	2.80	5.48
1850	1.00	0.21	5.22	2.76	5.43	0.42				5.22	2.76	5.43
1851	1.00	0.20	5.16	2.73	5.28	0.39				5.16	2.73	5.28
1852	1.00	0.20	5.14	2.71	5.22	0.38				5.14	2.71	5.22
1853	1.00	0.21	5.13	2.72	5.25	0.40				5.13	2.72	5.25
1854	1.00	0.21	5.16	2.75	5.29	0.43				5.16	2.75	5.29
1855	1.00	0.21	5.19	2.74	5.32	0.43				5.19	2.74	5.32
1856	1.00	0.21	5.18	2.72	5.33	0.42				5.18	2.72	5.33
1857	1.00	0.21	5.19	2.73	5.38	0.42				5.19	2.73	5.38
1858	1.00	0.21	5.19	2.72	5.33	0.42				5.19	2.72	5.33
1859	1.00	0.21	5.15	2.78	5.23	0.41	1.00			5.15	2.78	5.23
1860	1.00	0.21	5.28	2.79	5.38	0.42	1.00			5.28	2.79	5.38

	USA (US\$)	UK (£)	France	Germany	Italy	Australia (A\$)	Canada (C\$)	Japan (Yen)	Eurozone (€)	(Memo: FF)	(Memo: DM)	(Memo: Lire)
1861	1.00	0.21	5.30	2.41	5.42	0.43	1.00			5.30	2.41	5.42
1862	1.00	0.18	4.53	1.94	4.64	0.37	1.00			4.53	1.94	4.64
1863	1.00	0.14	3.63	2.27	3.73	0.29	1.00	0.57		3.63	2.27	3.73
1864	1.00	0.17	4.29	2.74	4.41	0.34	1.00	0.72		4.29	2.74	4.41
1865	1.00	0.21	5.14	2.74	5.30	0.42	1.00	0.91		5.14	2.74	5.30
1866	1.00	0.21	5.12	2.75	5.47	0.42	1.00	0.92		5.12	2.75	5.47
1867	1.00	0.21	5.13	2.78	5.73	0.42	1.00	0.91		5.13	2.78	5.73
1868	1.00	0.20	5.14	2.78	5.69	0.41	1.00	0.92		5.14	2.78	5.69
1869	1.00	0.21	5.15	2.78	5.55	0.41	1.00	0.93		5.15	2.78	5.55
1870	1.00	0.21	5.19	2.76	5.53	0.41	1.00	0.91		5.19	2.76	5.53
1871	1.00	0.21	5.25	2.78	5.57	0.41	1.00	0.91		5.25	2.78	5.57
1872	1.00	0.20	5.25	3.47	5.74	0.41	1.00	0.91		5.25	3.47	5.74
1873	1.00	0.20	5.20	4.13	5.99	0.41	1.00	0.94		5.20	4.13	5.99
1874	1.00	0.20	5.15	4.15	5.94	0.41	1.00	0.97		5.15	4.15	5.94
1875	1.00	0.20	5.14	4.16	5.71	0.41	1.00	0.99		5.14	4.16	5.71
1876	1.00	0.21	5.17	4.18	5.71	0.41	1.00	0.99		5.17	4.18	5.71
1877	1.00	0.21	5.19	4.21	5.75	0.42	1.00	1.01		5.19	4.21	5.75
1878	1.00	0.21	5.19	4.21	5.64	0.41	1.00	1.06		5.19	4.21	5.64
1879	1.00	0.21	5.20	4.20	5.75	0.41	1.00	1.09		5.20	4.20	5.75
1880	1.00	0.21	5.22	4.21	5.75	0.42	1.00	1.10		5.22	4.21	5.75
1881	1.00	0.21	5.22	4.22	5.48	0.42	1.00	1.11		5.22	4.22	5.48
1882	1.00	0.21	5.14	4.20	5.36	0.41	1.00	1.12		5.14	4.20	5.36
1883	1.00	0.21	5.14	4.19	5.28	0.41	1.00	1.11		5.14	4.19	5.28
1884	1.00	0.21	5.21	4.20	5.27	0.41	1.00	1.12		5.21	4.20	5.27
1885	1.00	0.21	5.20	4.20	5.27	0.41	1.00	1.17		5.20	4.20	5.27
1886	1.00	0.21	5.21	4.20	5.28	0.41	1.00	1.24		5.21	4.20	5.28
1887	1.00	0.21	5.23	4.21	5.33	0.41	1.00	1.28		5.23	4.21	5.33
1888	1.00	0.20	5.20	4.19	5.32	0.41	1.00	1.31		5.20	4.19	5.32
1889	1.00	0.21	5.18	4.19	5.33	0.41	1.00	1.29		5.18	4.19	5.33
1890	1.00	0.21	5.19	4.20	5.39	0.41	1.00	1.23		5.19	4.20	5.39
1891	1.00	0.21	5.19	4.20	5.49	0.41	1.00	1.25		5.19	4.20	5.49
1892	1.00	0.21	5.17	4.19	5.51	0.41	1.00	1.37		5.17	4.19	5.51
1893	1.00	0.21	5.16	4.17	5.82	0.41	1.00	1.63		5.16	4.17	5.82
1894	1.00	0.21	5.16	4.18	5.93	0.41	1.00	1.94		5.16	4.18	5.93
1895	1.00	0.20	5.14	4.19	5.69	0.41	1.00	2.01		5.14	4.19	5.69
1896	1.00	0.20	5.15	4.19	5.67	0.41	1.00	1.93		5.15	4.19	5.67
1897	1.00	0.21	5.18	4.19	5.61	0.41	1.00	2.00		5.18	4.19	5.61
1898	1.00	0.21	5.20	4.20	5.66	0.41	1.00	2.04		5.20	4.20	5.66
1899	1.00	0.21	5.19	4.21	5.75	0.41	1.00	2.02		5.19	4.21	5.75
1900	1.00	0.21	5.17	4.20	5.71	0.41	1.00	2.03		5.17	4.20	5.71
1901	1.00	0.21	5.15	4.19	5.51	0.41	1.00	2.03		5.15	4.19	5.51
1902	1.00	0.21	5.14	4.19	5.29	0.41	1.00	2.01		5.14	4.19	5.29
1903	1.00	0.21	5.16	4.20	5.24	0.41	1.00	2.02		5.16	4.20	5.24
1904	1.00	0.21	5.17	4.20	5.24	0.41	1.00	2.04		5.17	4.20	5.24
1905	1.00	0.21	5.15	4.18	5.23	0.41	1.00	2.02		5.15	4.18	5.23
1906	1.00	0.21	5.17	4.20	5.24	0.41	1.00	2.02		5.17	4.20	5.24
1907	1.00	0.21	5.18	4.21	5.27	0.41	1.00	2.03		5.18	4.21	5.27
1908	1.00	0.21	5.16	4.20	5.26	0.41	1.00	2.03		5.16	4.20	5.26
1909	1.00	0.21	5.16	4.19	5.22	0.41	1.00	2.02		5.16	4.19	5.22
1910	1.00	0.21	5.18	4.20	5.21	0.41	1.00	2.02		5.18	4.20	5.21
1911	1.00	0.21	5.19	4.20	5.22	0.41	1.00	2.03		5.19	4.20	5.22
1912	1.00	0.21	5.18	4.20	5.24	0.41	1.00	2.02		5.18	4.20	5.24
1913	1.00	0.21	5.19	4.21	5.24	0.41	1.00	2.02		5.19	4.21	5.24
1914	1.00	0.21	5.17	4.34	5.27	0.41	1.00	2.03		5.17	4.34	5.27
1915	1.00	0.21	5.49	4.81	5.94	0.42	1.00	2.04		5.49	4.81	5.94
1916	1.00	0.21	5.84	5.42	6.72	0.43	1.00	2.00		5.84	5.42	6.72
1917	1.00	0.21	5.78	5.70	7.57	0.42	1.00	1.94		5.78	5.70	7.57
1918	1.00	0.21	5.58	7.04	7.31	0.42	1.01	1.91		5.58	7.04	7.31
1919	1.00	0.24	8.13	28	9.70	0.48	1.05	1.94		8.13	28	9.70
1920	1.00	0.27	13.86	60	20.83	0.55	1.12	1.98		13.86	60	20.83
1921	1.00	0.26	14.82	132	25.64	0.53	1.12	2.04		14.82	132	25.64
1922	1.00	0.23	13.29	3772	21.29	0.46	1.04	2.07		13.29	3772	21.29
1923	1.00	0.22	16.44	2.20E+12	21.46	0.44	1.02	2.09		16.44	2.20E+12	21.46
1924	1.00	0.22	18.79	4.20	23.14	0.43	1.01	2.36		18.79	4.20	23.14
1925	1.00	0.21	22.65	4.20	24.03	0.41	1.00	2.46		22.65	4.20	24.03
1926	1.00	0.21	26.05	4.20	23.68	0.41	1.00	2.18		26.05	4.20	23.68
1927	1.00	0.21	25.35	4.19	20.57	0.41	1.00	2.10		25.35	4.19	20.57
1928	1.00	0.21	25.48	4.19	18.84	0.41	1.00	2.17		25.48	4.19	18.84
1929	1.00	0.21	25.48	4.19	19.10	0.41	1.01	2.11		25.48	4.19	19.10
1930	1.00	0.21	25.42	4.19	19.10	0.43	1.01	2.03		25.42	4.19	19.10
1931	1.00	0.25	25.47	4.21	19.33	0.61	1.11	2.16		25.47	4.21	19.33
1932	1.00	0.30	25.56	4.22	19.57	0.76	1.18	3.56		25.56	4.22	19.57
1933	1.00	0.25	20.98	3.44	15.87	0.62	1.07	4.04		20.98	3.44	15.87
1934	1.00	0.20	15.75	2.58	11.94	0.50	0.99	3.36		15.75	2.58	11.94
1935	1.00	0.20	15.16	2.47	12.04	0.51	1.00	3.47		15.16	2.47	12.04
1936	1.00	0.20	18.29	2.46	15.70	0.51	1.00	3.49		18.29	2.46	15.70
1937	1.00	0.20	25.44	2.47	19.01	0.50	1.00	3.47		25.44	2.47	19.01
1938	1.00	0.21	33.72	2.48	19.01	0.52	1.01	3.56		33.72	2.48	19.01

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1939	1.00	0.23	41.45	2.48	28.13	0.59	1.08	3.97		41.45	2.48	28.13
1940	1.00	0.25	47.05	2.49	40.22	0.63	1.15	4.27		47.05	2.49	40.22
1941	1.00	0.25	47.06	2.49	47.98	0.62	1.15	4.27		47.06	2.49	47.98
1942	1.00	0.25	87.38	2.49	82.27	0.62	1.14	4.27		87.38	2.49	82.27
1943	1.00	0.25	98.86	2.49	174.63	0.62	1.13	4.27		98.86	2.49	174.6
1944	1.00	0.25	61.62	2.49	237.50	0.62	1.12	4.27		61.62	2.49	237.5
1945	1.00	0.25	55.27	6.24	237.50	0.62	1.11	27		55.27	6.24	237.5
1946	1.00	0.29	87.25	10.00	456.25	0.62	1.08	50		87.25	10.00	456.3
1947	1.00	0.37	119.30	10.00	630.00	0.62	1.09	144		119.30	10.00	630.0
1948	1.00	0.37	119.30	6.67	622.50	0.62	1.11	229		119.30	6.67	622.5
1949	1.00	0.38	0.25	3.33	662.50	0.76	1.11	274		166.82	3.33	662.5
1950	1.00	0.36	0.53	2.14	0.32	0.89	1.09	361		3.50	4.19	624.6
1951	1.00	0.36	0.53	2.14	0.32	0.89	1.05	361		3.50	4.19	625.0
1952	1.00	0.36	0.53	2.14	0.32	0.89	0.98	361		3.50	4.19	625.0
1953	1.00	0.36	0.53	2.15	0.32	0.89	0.98	360		3.50	4.20	625.0
1954	1.00	0.36	0.53	2.15	0.32	0.89	0.97	360		3.50	4.20	625.0
1955	1.00	0.36	0.53	2.15	0.32	0.89	0.99	360		3.50	4.20	625.0
1956	1.00	0.36	0.53	2.15	0.32	0.89	0.98	360		3.50	4.20	625.0
1957	1.00	0.36	0.55	2.15	0.32	0.89	0.96	360		3.62	4.20	625.0
1958	1.00	0.36	0.64	2.15	0.32	0.89	0.97	360		4.20	4.20	624.7
1959	1.00	0.36	0.75	2.15	0.32	0.89	0.96	360		4.94	4.20	621.1
1960	1.00	0.36	0.75	2.15	0.32	0.89	0.97	360		4.94	4.20	624.0
1961	1.00	0.36	0.75	2.06	0.32	0.89	1.01	360		4.94	4.03	625.0
1962	1.00	0.36	0.75	2.05	0.32	0.89	1.07	360		4.94	4.00	625.0
1963	1.00	0.36	0.75	2.05	0.32	0.89	1.08	360		4.94	4.00	625.0
1964	1.00	0.36	0.75	2.05	0.32	0.89	1.08	360		4.94	4.00	625.0
1965	1.00	0.36	0.75	2.05	0.32	0.89	1.08	360		4.94	4.00	625.0
1966	1.00	0.36	0.75	2.05	0.32	0.89	1.08	360		4.94	4.00	625.0
1967	1.00	0.36	0.75	2.05	0.32	0.89	1.08	360		4.94	4.00	625.0
1968	1.00	0.42	0.75	2.05	0.32	0.89	1.08	360		4.94	4.00	625.0
1969	1.00	0.42	0.79	2.02	0.32	0.89	1.08	360		5.19	3.94	625.0
1970	1.00	0.42	0.85	1.87	0.32	0.89	1.04	360		5.55	3.66	625.0
1971	1.00	0.41	0.84	1.79	0.32	0.88	1.01	351		5.54	3.51	620.4
1972	1.00	0.40	0.77	1.63	0.30	0.84	0.99	303		5.04	3.19	583.2
1973	1.00	0.41	0.68	1.37	0.30	0.70	1.00	272		4.45	2.67	583.0
1974	1.00	0.43	0.73	1.32	0.34	0.70	0.98	292		4.81	2.59	650.3
1975	1.00	0.45	0.65	1.26	0.34	0.76	1.02	297		4.29	2.46	652.8
1976	1.00	0.56	0.73	1.29	0.43	0.82	0.99	297		4.80	2.52	832.3
1977	1.00	0.57	0.75	1.19	0.46	0.90	1.06	269		4.91	2.32	882.4
1978	1.00	0.52	0.69	1.03	0.44	0.87	1.14	210		4.51	2.01	848.7
1979	1.00	0.47	0.65	0.94	0.43	0.89	1.17	219		4.25	1.83	830.9
1980	1.00	0.43	0.64	0.93	0.44	0.88	1.17	227		4.23	1.82	856.4
1981	1.00	0.50	0.83	1.16	0.59	0.87	1.20	221		5.43	2.26	1136.8
1982	1.00	0.57	1.00	1.24	0.70	0.99	1.23	249		6.57	2.43	1352.5
1983	1.00	0.66	1.16	1.31	0.78	1.11	1.23	238		7.62	2.55	1518.9
1984	1.00	0.75	1.33	1.46	0.91	1.14	1.30	238		8.74	2.85	1757.0
1985	1.00	0.78	1.37	1.51	0.99	1.43	1.37	239		8.99	2.94	1909.4
1986	1.00	0.68	1.06	1.11	0.77	1.50	1.39	169		6.93	2.17	1490.8
1987	1.00	0.61	0.92	0.92	0.67	1.43	1.33	145		6.01	1.80	1296.1
1988	1.00	0.56	0.91	0.90	0.67	1.28	1.23	128		5.96	1.76	1301.6
1989	1.00	0.61	0.97	0.96	0.71	1.26	1.18	138		6.38	1.88	1372.1
1990	1.00	0.56	0.83	0.83	0.62	1.28	1.17	145		5.45	1.62	1198.1
1991	1.00	0.57	0.86	0.85	0.64	1.28	1.15	135		5.64	1.66	1240.6
1992	1.00	0.57	0.81	0.80	0.64	1.36	1.21	127		5.29	1.56	1232.4
1993	1.00	0.67	0.86	0.85	0.81	1.47	1.29	111		5.66	1.65	1573.7
1994	1.00	0.65	0.85	0.83	0.83	1.37	1.37	102		5.55	1.62	1612.4
1995	1.00	0.63	0.76	0.73	0.84	1.35	1.37	94		4.99	1.43	1628.9
1996	1.00	0.64	0.78	0.77	0.80	1.28	1.36	109		5.12	1.50	1543.0
1997	1.00	0.61	0.89	0.89	0.88	1.35	1.38	121		5.84	1.73	1703.1
1998	1.00	0.60	0.90	0.90	0.90	1.59	1.48	131		5.90	1.76	1736.2
1999	1.00	0.62	0.94	0.94	0.94	1.55	1.49	114	0.94			
2000	1.00	0.66	1.09	1.09	1.09	1.72	1.49	108	1.09			
2001	1.00	0.69	1.12	1.12	1.12	1.93	1.55	122	1.12			
2002	1.00	0.67	1.06	1.06	1.06	1.84	1.57	125	1.06			
2003	1.00	0.61	0.89	0.89	0.89	1.54	1.40	116	0.89			
2004	1.00	0.55	0.81	0.81	0.81	1.36	1.30	108	0.81			
2005	1.00	0.55	0.80	0.80	0.80	1.31	1.21	110	0.80			
2006	1.00	0.54	0.80	0.80	0.80	1.33	1.13	116	0.80			
2007	1.00	0.50	0.73	0.73	0.73	1.20	1.07	118	0.73			
2008	1.00	0.54	0.68	0.68	0.68	1.19	1.07	103	0.68			
2009	1.00	0.64	0.72	0.72	0.72	1.28	1.14	94	0.72			
2010	1.00	0.65	0.76	0.76	0.76	1.09	1.03	88	0.76			

1950-2010: IMF IFS (series code: RF.ZF...; year averages, market rates whenever possible, official rates otherwise)
Before 1950: Global Financial Data (official rate). GFD exchange rates are year-average, we report the (n, n-1) average rate