

RAINFALL AT

Egglescliffe

Lat. _____

Lon. _____

County of *Durham - 1*

Gleasher

Rain Gauge, by _____

Observer _____

A. B. Hutton Wilson

See 1.

Diameter	8									8	
Height	1.2									1.2	
Altitude	100									100	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January										2.21	
February ....										.96	
March										1.36	
April										2.14	
May										3.17	
June										1.55	
July .....									.34	1.97	
August									2.04	.76	
September....									.50	2.54	
October									2.73	2.63	
November....									2.13	1.55	
December									1.51	2.01	
TOTALS . . .									<i>Comp</i>	22.85	

Back year 1898-1927 sent May 1928 See File 821177/28

RAINFALL at

Eggescliffe

County of DurhamObserver A. B. Hutcheon WilsonRiver Basin Tees - 1Slaiske Rain Gauge, by

Diameter ...	8									8	
Height	1.2									1.2	
Altitude ...	100									100	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	2.18	1.36	2.10		1.77	.27	2.15	.34	1.06	.75	
February ...	4.61	1.37	1.26		2.19	.70	1.01	1.02	1.69	1.21	
March .....	.89	2.14	1.91		1.12	1.22	1.08	.77	2.45	3.27	
April .....	.93	1.10	1.54		.96	2.22	1.39	1.76	2.41	2.00	
May	1.17	1.37	3.18		3.47	.82	2.34	3.64	2.10	1.75	
June	2.89	1.49	2.37		1.45	.98	1.05	2.89	.72	2.27	
July	1.60	3.56	2.98		1.63	.71	1.03	1.60	3.78	2.96	
August	6.65	1.33	1.65		2.52	3.08	2.88	1.64	1.57	5.33	
September...	.75	.73	3.14		1.75	2.47	.49	.41	2.37	1.58	
October	5.90	1.55	6.24		.44	2.13	4.91	4.13	1.26	2.47	
November...	1.85	3.91	1.14		1.81	4.25	2.92	2.22	1.37	1.11	
December...	1.60	3.06	1.14		1.93	.34	2.20	3.15	.76	3.06	
TOTALS...	31.02	22.97	28.65		21.04	19.19	23.45	23.62	21.54	27.76	

Back year 1898-1927 read $\frac{1}{2}$ in Rule 82.177/28Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at

Eggescliffe

County of DurhamObserver A.B. Hutton WilsonRiver Basin Tees-1Slaisker Rain Gauge, by

Diameter ...	8									8	
Height	1.2									1.2	
Altitude ...	100									100	
Year	1920 ¹⁰	1921 ¹¹	1922 ¹²	1923 ¹	1924 ¹	1925 ¹	1926 ¹	1927 ¹	1928 ¹	1929 ¹	MEANS.
January ...	1.59	1.14	1.93	2.67	1.70	2.18	1.45	2.94	1.71	2.49	
February ...	1.76	.91	1.36	.45	1.03	2.20	2.46	.68	1.77	1.43	
March .....	.39	1.90	2.11	1.35	1.41	1.00	2.66	1.60	.87	2.65	
April	2.45	.89	.11	3.12	.24	.69	1.33	1.38	1.04	1.19	
May	1.76	1.10	2.23	1.65	1.55	1.36	2.71	1.00	1.12	.69	
June	1.95	3.71	4.78	1.45	3.39	1.44	2.16	1.72	.33	1.07	
July	2.56	.52	3.28	.66	3.85	3.60	2.84	.78	4.48	1.97	
August	2.22	3.05	4.16	1.45	.80	2.31	2.04	6.07	1.60	2.89	
September...	.14	1.84	1.07	1.69	2.22	.93	1.64	.51	5.46	.84	
October	2.43	2.30	1.94	2.44	1.72	1.23	1.94	2.91	1.74	7.01	
November...	1.75	3.46	1.98	1.40	2.43	1.81	1.29	.94	1.27	3.02	
December...	1.35	3.10	.93	1.49	3.39	4.35	1.89	2.05	2.80	2.20	
TOTALS...	20.55	23.92	25.88	19.82	23.73	23.10	23.41	22.58	24.19	27.45	

Back year 1895-1927 read 4/1928 for 72 821177/28

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at EgglescliffeCounty of DurhamObserver A B Hutton WilsonRiver Basin Tees - 1E. G. Jones (1931)Exaite Rain Gauge, by _____

Diameter ...	8							8			
Height	1.2							1.2			
Altitude ...	100							100	150?		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January ...	3.37	3.36	1.94	.71	1.55	1.08	1.85	1.94	2.78	2.57	3.32
February ...	.80	.17	1.82	2.68	1.06	2.34	1.57	.65	1.16	.68	1.88
March	2.72	.93	1.58	1.32	1.17	1.29	.68	(2.80)	1.47	.10	3.08
April	2.59	1.18	1.69	1.39	1.72	2.20	.80	(1.80)	.66	1.08	2.22
May	2.63	1.37	1.30	2.33	4.23	2.33	1.81	2.00	1.33	1.82	1.35
June .....	.92	.51	2.17	.68	1.76	.04	2.61	2.41	4.54	1.97	1.23
July	4.44	1.87	4.17	1.97	3.41	2.06	3.40	^{3.88} 2.77	.91	2.12	5.47
August .....	.54	4.60	2.38	2.94	2.44	2.93	1.75	5.94	4.15	2.84	4.12
September...	1.72	.67	2.34	1.75	1.68	2.58	2.11	3.60	.57	1.29	2.37
October	1.66	1.21	1.45	1.39	3.28	2.69	2.77	1.82	3.02	2.88	1.99
November...	.65	2.24	.81	3.01	.91	2.14	3.52	2.38	2.79	2.90	3.11
December...	2.58	1.88	3.40	2.02	2.84	2.76	1.17	1.69	1.32	3.18	2.33
TOTALS...	24.62	19.99	25.05	22.19	26.05	24.44	24.04	(30.11)	24.90 d.	23.43 D	31.97 D.

Back years 1898-1927 see V/28 File 82117/28

1927 March, April and July estimated from maps.

1929. House about 45' high about 60' SSE

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map _____

Reference No. _____

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
			Yarm	$\frac{1}{4}$ mile	SW	Egglescliffe	$\frac{1}{4}$ mile	SSE

RAINFALL at EgglescliffeCounty of DurhamObserver Walter (1938)
J. A. Jones, Esq.River Basin Tees & C. - 1.Type of Gauge GlaisherAnnual Average 24.2 in. based on 27 years obs. un-weighted. Period of average 1881-1915 Ref. S

821174/28.

Diameter	8.									8	
Height	1.2.									1'2"	
Altitude	100.									100	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.81	1.51	2.29	1.04	2.12	3.00	2.22	2.25	4.77	1.83	2284
February	1.04	.84	3.15	.51	3.03	2.77	2.52	1.41	.97	1.33	1757
March	1.04	2.80	1.82	1.35	.74	1.58	2.53	.08	2.49	2.26	1619
April	2.84	1.24	.85	3.08	2.46	1.09	2.24	.10	.84	1.66	1640
May	2.48	4.12	1.89	1.06	1.01	1.54	2.54	3.02	1.41	1.49	2056
June	3.87	1.65	2.71	2.04	3.38	4.01	1.08	2.44	1.95	.75	2388
July	4.69	4.18	1.07	1.38	.54	3.03	1.01	3.16	2.56	6.34	2796
August	2.62	2.18	.39	2.62	2.43	2.24	1.14	3.05	2.90	.67	2024
September	3.76	2.63	1.23	1.85	4.47	4.31	1.30	1.69	1.13	1.14	2351
October	.98	3.10	4.04	2.85	3.83	1.50	1.38	3.54	4.39	3.08	2869
November	2.17	1.45	3.50	1.78	3.97	2.68	2.26	2.96	2.32	3.58	2667
December	1.04	1.05	1.72	3.65	1.91	1.27	3.86	3.49	1.32	2.22	2163
TOTALS	28.34	26.25	24.66	23.21	29.89	29.12	24.08	27.19	27.05	26.35	26614
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

1931. Gauge moved 8th February 1931. 350 yds E 23° S.

Brick wall 1' high 15' N. Brick walls 9' high 22 yds N. Wall 9' high 43 yds W.

Brick 4' high 28 yds S. Walls 6' high 26 1/2 yds E. Poplar apple trees 4' high 10 yds W.

(In a large walled garden)

1937 Brick wall 1' high 16 yds N. Walls 9' high 22 + 40 yds N. W. Wall 4' high 28 + 26 1/2 yds S.E.

Wall 4' high 10 yds W.

Position of Station on reduced Ordnance Survey Map, } No. of Map.....

1 mile to 1 inch Series

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931.			<u>Yarm</u>	<u>550 yds.</u>	<u>W.</u>	<u>Egglescliffe</u>	<u>170 yds.</u>	<u>W 22° S.</u>

Station No. M. 3506RAINFALL at Egglescliffe (St Margaret)

41

County of DurhamObserver Walter Jones Esq.River Basin Tees and C - 1Stephen J. Clarke Esq.Type of Gauge GlaisherG. Cellan-Jones Esq. (w.e.f. 1.9.51)Annual Average 24.2 in. based on 27 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref 5File No. 8211.77/48

Diameter	8"		031	481						8"	
Height	1' 2"			1						1' 3"	
Altitude	100'			41						93'	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total/10
January	3.10	2.08	2.77	1.51	3.82	1.33	1.27	5.69	1.01	1.41	23.99
February	5.20	1.40	.66	1.84	1.85	.53	2.02	.84	.46	3.03	17.83
March	2.08	.58	.55	.91	.37	.94	2.98	1.24	.98	.54	11.17
April	.45	.49	1.32	1.86	1.08	2.00	3.06	.94	2.22	2.18	15.63
May	.80	1.94	1.91	1.03	3.29	2.39	2.00	1.54	.93	1.42	17.25
June	.45	.98	1.95	1.94	2.46	3.49	2.68	5.87	.42	1.54	21.28
July	1.01	2.95	1.26	2.41	1.38	4.35	2.20	1.82	1.67	2.48	21.03
August	2.82	2.42	3.85	2.23	4.01	3.76	.28	3.19	2.17	5.56	30.29
September	.45	2.68	3.51	4.38	1.59	3.50	2.56	1.80	.81	3.19	23.87
October	3.62	2.07	1.85	3.05	3.28	1.32	.38	1.40	2.92	1.56	21.15
November	2.93	1.47	2.21	4.50	1.06	4.44	1.80	1.48	3.60	7.27	30.76
December	.35	2.09	1.32	1.38	.90	2.85	1.72	1.82	2.11	3.57	18.05
TOTALS	23.26	21.15	23.16	27.04	25.09	30.90	22.95	26.06	19.30	33.69	252.60

1947 8 1/2 in. corr. for snow.

1950 Gauge moved 320 yds NW to St. Margaret on 9th May.
Ab. 56' high. 37 x NW, dwarf fruit trees. 8' high. 6 x N & S.Position of Station on reduced Ordnance Survey Map,
1 mile to 1 inch Series

No. of Map.....

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.

BRITISH RAINFALL ORGANIZATION

RAINFALL at Egglescliffe Station No. 3506 m
 County of Durham Observer L. Bellan James Esq.
 River Basin Pica + 6-1 Gibbons Bros. Ltd. (1919-26)
 Type of Gauge Glaisher (A.O. 7152/5546)

Annual Average 24.0 in. based on 27 years obs. un-weighted. Period of average 1881-1915 Ref. 5

File No. 82.117/28

Diameter ...	8"	5"				5 1/2 10 9 0 8"		031	481		
Height ...	1' 3"			1' 2"					1		
Altitude ...	93'					160	160		51		
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January ...	2.57	2.06	.99	2.11	1.98	2.94	1.62	1.79	2.35	3.99	22.40
February ...	2.41	.54	2.37	1.59	1.42	1.97	1.72	3.18	.64	1.87	17.77
March ...	3.21	1.14	.13	1.41	1.33	.44	.81	1.69	.65	1.68	12.49
April ...	1.79	1.76	1.81	.22	.84	.73	.19	1.38	1.27	.76	10.45
May ...	4.33	1.49	2.07	2.97	1.92	.40	1.07	2.69	.47	.57	17.98
June ...	1.47	1.04	2.68	2.39	2.51	3.03	2.60	2.76	1.62	.52	20.62
July ...	2.76	1.44	3.57	1.57	1.06	3.08	5.32	2.43	1.07	4.75	27.05
August ...	3.23	1.86	3.32	5.35	.66	7.02	2.93	3.25	.09	3.56	31.27
September ...	1.33	4.04	1.41	1.65	1.31	2.26	3.24	2.42	.87	2.61	21.14
October ...	1.64	2.71	1.43	4.25	1.68	1.34	1.69	1.29	1.12	5.37	22.62
November ...	5.84	2.79	1.62	3.73	1.96	.75	(1.62)	.98	3.19	2.57	25.05
December ...	3.92	1.83	.93	1.62	(2.64)	1.71	1.95	2.21	2.61	2.57	21.99
TOTALS ...	34.50 NP	22.70 DNP	22.33 D	28.96 D	19.37 D	25.67 D	24.76 D	26.07	15.95	30.82 M	251.13

1951 NP to 1952; 1952 NP to 1953; 1953 NP to 1954; 1954 NP to 1955; 1955 NP to 1956; 1956 NP to 1957; 1957 NP to 1958; 1958 NP to 1959; 1959 NP to 1960; 1960 NP to 1961; 1961 NP to 1962; 1962 NP to 1963; 1963 NP to 1964; 1964 NP to 1965; 1965 NP to 1966; 1966 NP to 1967; 1967 NP to 1968; 1968 NP to 1969; 1969 NP to 1970; 1970 NP to 1971; 1971 NP to 1972; 1972 NP to 1973; 1973 NP to 1974; 1974 NP to 1975; 1975 NP to 1976; 1976 NP to 1977; 1977 NP to 1978; 1978 NP to 1979; 1979 NP to 1980; 1980 NP to 1981; 1981 NP to 1982; 1982 NP to 1983; 1983 NP to 1984; 1984 NP to 1985; 1985 NP to 1986; 1986 NP to 1987; 1987 NP to 1988; 1988 NP to 1989; 1989 NP to 1990; 1990 NP to 1991; 1991 NP to 1992; 1992 NP to 1993; 1993 NP to 1994; 1994 NP to 1995; 1995 NP to 1996; 1996 NP to 1997; 1997 NP to 1998; 1998 NP to 1999; 1999 NP to 2000; 2000 NP to 2001; 2001 NP to 2002; 2002 NP to 2003; 2003 NP to 2004; 2004 NP to 2005; 2005 NP to 2006; 2006 NP to 2007; 2007 NP to 2008; 2008 NP to 2009; 2009 NP to 2010; 2010 NP to 2011; 2011 NP to 2012; 2012 NP to 2013; 2013 NP to 2014; 2014 NP to 2015; 2015 NP to 2016; 2016 NP to 2017; 2017 NP to 2018; 2018 NP to 2019; 2019 NP to 2020; 2020 NP to 2021; 2021 NP to 2022; 2022 NP to 2023; 2023 NP to 2024; 2024 NP to 2025; 2025 NP to 2026; 2026 NP to 2027; 2027 NP to 2028; 2028 NP to 2029; 2029 NP to 2030; 2030 NP to 2031; 2031 NP to 2032; 2032 NP to 2033; 2033 NP to 2034; 2034 NP to 2035; 2035 NP to 2036; 2036 NP to 2037; 2037 NP to 2038; 2038 NP to 2039; 2039 NP to 2040; 2040 NP to 2041; 2041 NP to 2042; 2042 NP to 2043; 2043 NP to 2044; 2044 NP to 2045; 2045 NP to 2046; 2046 NP to 2047; 2047 NP to 2048; 2048 NP to 2049; 2049 NP to 2050; 2050 NP to 2051; 2051 NP to 2052; 2052 NP to 2053; 2053 NP to 2054; 2054 NP to 2055; 2055 NP to 2056; 2056 NP to 2057; 2057 NP to 2058; 2058 NP to 2059; 2059 NP to 2060; 2060 NP to 2061; 2061 NP to 2062; 2062 NP to 2063; 2063 NP to 2064; 2064 NP to 2065; 2065 NP to 2066; 2066 NP to 2067; 2067 NP to 2068; 2068 NP to 2069; 2069 NP to 2070; 2070 NP to 2071; 2071 NP to 2072; 2072 NP to 2073; 2073 NP to 2074; 2074 NP to 2075; 2075 NP to 2076; 2076 NP to 2077; 2077 NP to 2078; 2078 NP to 2079; 2079 NP to 2080; 2080 NP to 2081; 2081 NP to 2082; 2082 NP to 2083; 2083 NP to 2084; 2084 NP to 2085; 2085 NP to 2086; 2086 NP to 2087; 2087 NP to 2088; 2088 NP to 2089; 2089 NP to 2090; 2090 NP to 2091; 2091 NP to 2092; 2092 NP to 2093; 2093 NP to 2094; 2094 NP to 2095; 2095 NP to 2096; 2096 NP to 2097; 2097 NP to 2098; 2098 NP to 2099; 2099 NP to 2100; 2100 NP to 2101; 2101 NP to 2102; 2102 NP to 2103; 2103 NP to 2104; 2104 NP to 2105; 2105 NP to 2106; 2106 NP to 2107; 2107 NP to 2108; 2108 NP to 2109; 2109 NP to 2110; 2110 NP to 2111; 2111 NP to 2112; 2112 NP to 2113; 2113 NP to 2114; 2114 NP to 2115; 2115 NP to 2116; 2116 NP to 2117; 2117 NP to 2118; 2118 NP to 2119; 2119 NP to 2120; 2120 NP to 2121; 2121 NP to 2122; 2122 NP to 2123; 2123 NP to 2124; 2124 NP to 2125; 2125 NP to 2126; 2126 NP to 2127; 2127 NP to 2128; 2128 NP to 2129; 2129 NP to 2130; 2130 NP to 2131; 2131 NP to 2132; 2132 NP to 2133; 2133 NP to 2134; 2134 NP to 2135; 2135 NP to 2136; 2136 NP to 2137; 2137 NP to 2138; 2138 NP to 2139; 2139 NP to 2140; 2140 NP to 2141; 2141 NP to 2142; 2142 NP to 2143; 2143 NP to 2144; 2144 NP to 2145; 2145 NP to 2146; 2146 NP to 2147; 2147 NP to 2148; 2148 NP to 2149; 2149 NP to 2150; 2150 NP to 2151; 2151 NP to 2152; 2152 NP to 2153; 2153 NP to 2154; 2154 NP to 2155; 2155 NP to 2156; 2156 NP to 2157; 2157 NP to 2158; 2158 NP to 2159; 2159 NP to 2160; 2160 NP to 2161; 2161 NP to 2162; 2162 NP to 2163; 2163 NP to 2164; 2164 NP to 2165; 2165 NP to 2166; 2166 NP to 2167; 2167 NP to 2168; 2168 NP to 2169; 2169 NP to 2170; 2170 NP to 2171; 2171 NP to 2172; 2172 NP to 2173; 2173 NP to 2174; 2174 NP to 2175; 2175 NP to 2176; 2176 NP to 2177; 2177 NP to 2178; 2178 NP to 2179; 2179 NP to 2180; 2180 NP to 2181; 2181 NP to 2182; 2182 NP to 2183; 2183 NP to 2184; 2184 NP to 2185; 2185 NP to 2186; 2186 NP to 2187; 2187 NP to 2188; 2188 NP to 2189; 2189 NP to 2190; 2190 NP to 2191; 2191 NP to 2192; 2192 NP to 2193; 2193 NP to 2194; 2194 NP to 2195; 2195 NP to 2196; 2196 NP to 2197; 2197 NP to 2198; 2198 NP to 2199; 2199 NP to 2200; 2200 NP to 2201; 2201 NP to 2202; 2202 NP to 2203; 2203 NP to 2204; 2204 NP to 2205; 2205 NP to 2206; 2206 NP to 2207; 2207 NP to 2208; 2208 NP to 2209; 2209 NP to 2210; 2210 NP to 2211; 2211 NP to 2212; 2212 NP to 2213; 2213 NP to 2214; 2214 NP to 2215; 2215 NP to 2216; 2216 NP to 2217; 2217 NP to 2218; 2218 NP to 2219; 2219 NP to 2220; 2220 NP to 2221; 2221 NP to 2222; 2222 NP to 2223; 2223 NP to 2224; 2224 NP to 2225; 2225 NP to 2226; 2226 NP to 2227; 2227 NP to 2228; 2228 NP to 2229; 2229 NP to 2230; 2230 NP to 2231; 2231 NP to 2232; 2232 NP to 2233; 2233 NP to 2234; 2234 NP to 2235; 2235 NP to 2236; 2236 NP to 2237; 2237 NP to 2238; 2238 NP to 2239; 2239 NP to 2240; 2240 NP to 2241; 2241 NP to 2242; 2242 NP to 2243; 2243 NP to 2244; 2244 NP to 2245; 2245 NP to 2246; 2246 NP to 2247; 2247 NP to 2248; 2248 NP to 2249; 2249 NP to 2250; 2250 NP to 2251; 2251 NP to 2252; 2252 NP to 2253; 2253 NP to 2254; 2254 NP to 2255; 2255 NP to 2256; 2256 NP to 2257; 2257 NP to 2258; 2258 NP to 2259; 2259 NP to 2260; 2260 NP to 2261; 2261 NP to 2262; 2262 NP to 2263; 2263 NP to 2264; 2264 NP to 2265; 2265 NP to 2266; 2266 NP to 2267; 2267 NP to 2268; 2268 NP to 2269; 2269 NP to 2270; 2270 NP to 2271; 2271 NP to 2272; 2272 NP to 2273; 2273 NP to 2274; 2274 NP to 2275; 2275 NP to 2276; 2276 NP to 2277; 2277 NP to 2278; 2278 NP to 2279; 2279 NP to 2280; 2280 NP to 2281; 2281 NP to 2282; 2282 NP to 2283; 2283 NP to 2284; 2284 NP to 2285; 2285 NP to 2286; 2286 NP to 2287; 2287 NP to 2288; 2288 NP to 2289; 2289 NP to 2290; 2290 NP to 2291; 2291 NP to 2292; 2292 NP to 2293; 2293 NP to 2294; 2294 NP to 2295; 2295 NP to 2296; 2296 NP to 2297; 2297 NP to 2298; 2298 NP to 2299; 2299 NP to 2300; 2300 NP to 2301; 2301 NP to 2302; 2302 NP to 2303; 2303 NP to 2304; 2304 NP to 2305; 2305 NP to 2306; 2306 NP to 2307; 2307 NP to 2308; 2308 NP to 2309; 2309 NP to 2310; 2310 NP to 2311; 2311 NP to 2312; 2312 NP to 2313; 2313 NP to 2314; 2314 NP to 2315; 2315 NP to 2316; 2316 NP to 2317; 2317 NP to 2318; 2318 NP to 2319; 2319 NP to 2320; 2320 NP to 2321; 2321 NP to 2322; 2322 NP to 2323; 2323 NP to 2324; 2324 NP to 2325; 2325 NP to 2326; 2326 NP to 2327; 2327 NP to 2328; 2328 NP to 2329; 2329 NP to 2330; 2330 NP to 2331; 2331 NP to 2332; 2332 NP to 2333; 2333 NP to 2334; 2334 NP to 2335; 2335 NP to 2336; 2336 NP to 2337; 2337 NP to 2338; 2338 NP to 2339; 2339 NP to 2340; 2340 NP to 2341; 2341 NP to 2342; 2342 NP to 2343; 2343 NP to 2344; 2344 NP to 2345; 2345 NP to 2346; 2346 NP to 2347; 2347 NP to 2348; 2348 NP to 2349; 2349 NP to 2350; 2350 NP to 2351; 2351 NP to 2352; 2352 NP to 2353; 2353 NP to 2354; 2354 NP to 2355; 2355 NP to 2356; 2356 NP to 2357; 2357 NP to 2358; 2358 NP to 2359; 2359 NP to 2360; 2360 NP to 2361; 2361 NP to 2362; 2362 NP to 2363; 2363 NP to 2364; 2364 NP to 2365; 2365 NP to 2366; 2366 NP to 2367; 2367 NP to 2368; 2368 NP to 2369; 2369 NP to 2370; 2370 NP to 2371; 2371 NP to 2372; 2372 NP to 2373; 2373 NP to 2374; 2374 NP to 2375; 2375 NP to 2376; 2376 NP to 2377; 2377 NP to 2378; 2378 NP to 2379; 2379 NP to 2380; 2380 NP to 2381; 2381 NP to 2382; 2382 NP to 2383; 2383 NP to 2384; 2384 NP to 2385; 2385 NP to 2386; 2386 NP to 2387; 2387 NP to 2388; 2388 NP to 2389; 2389 NP to 2390; 2390 NP to 2391; 2391 NP to 2392; 2392 NP to 2393; 2393 NP to 2394; 2394 NP to 2395; 2395 NP to 2396; 2396 NP to 2397; 2397 NP to 2398; 2398 NP to 2399; 2399 NP to 2400; 2400 NP to 2401; 2401 NP to 2402; 2402 NP to 2403; 2403 NP to 2404; 2404 NP to 2405; 2405 NP to 2406; 2406 NP to 2407; 2407 NP to 2408; 2408 NP to 2409; 2409 NP to 2410; 2410 NP to 2411; 2411 NP to 2412; 2412 NP to 2413; 2413 NP to 2414; 2414 NP to 2415; 2415 NP to 2416; 2416 NP to 2417; 2417 NP to 2418; 2418 NP to 2419; 2419 NP to 2420; 2420 NP to 2421; 2421 NP to 2422; 2422 NP to 2423; 2423 NP to 2424; 2424 NP to 2425; 2425 NP to 2426; 2426 NP to 2427; 2427 NP to 2428; 2428 NP to 2429; 2429 NP to 2430; 2430 NP to 2431; 2431 NP to 2432; 2432 NP to 2433; 2433 NP to 2434; 2434 NP to 2435; 2435 NP to 2436; 2436 NP to 2437; 2437 NP to 2438; 2438 NP to 2439; 2439 NP to 2440; 2440 NP to 2441; 2441 NP to 2442; 2442 NP to 2443; 2443 NP to 2444; 2444 NP to 2445; 2445 NP to 2446; 2446 NP to 2447; 2447 NP to 2448; 2448 NP to 2449; 2449 NP to 2450; 2450 NP to 2451; 2451 NP to 2452; 2452 NP to 2453; 2453 NP to 2454; 2454 NP to 2455; 2455 NP to 2456; 2456 NP to 2457; 2457 NP to 2458; 2458 NP to 2459; 2459 NP to 2460; 2460 NP to 2461; 2461 NP to 2462; 2462 NP to 2463; 2463 NP to 2464; 2464 NP to 2465; 2465 NP to 2466; 2466 NP to 2467; 2467 NP to 2468; 2468 NP to 2469; 2469 NP to 2470; 2470 NP to 2471; 2471 NP to 2472; 2472 NP to 2473; 2473 NP to 2474; 2474 NP to 2475; 2475 NP to 2476; 2476 NP to 2477; 2477 NP to 2478; 2478 NP to 2479; 2479 NP to 2480; 2480 NP to 2481; 2481 NP to 2482; 2482 NP to 2483; 2483 NP to 2484; 2484 NP to 2485; 2485 NP to 2486; 2486 NP to 2487; 2487 NP to 2488; 2488 NP to 2489; 2489 NP to 2490; 2490 NP to 2491; 2491 NP to 2492; 2492 NP to 2493; 2493 NP to 2494; 2494 NP to 2495; 2495 NP to 2496; 2496 NP to 2497; 2497 NP to 2498; 2498 NP to 2499; 2499 NP to 2500; 2500 NP to 2501; 2501 NP to 2502; 2502 NP to 2503; 2503 NP to 2504; 2504 NP to 2505; 2505 NP to 2506; 2506 NP to 2507; 2507 NP to 2508; 2508 NP to 2509; 2509 NP to 2510; 2510 NP to 2511; 2511 NP to 2512; 2512 NP to 2513; 2513 NP to 2514; 2514 NP to 2515; 2515 NP to 2516; 2516 NP to 2517; 2517 NP to 2518; 2518 NP to 2519; 2519 NP to 2520; 2520 NP to 2521; 2521 NP to 2522; 2522 NP to 2523; 2523 NP to 2524; 2524 NP to 2525; 2525 NP to 2526; 2526 NP to 2527; 2527 NP to 2528; 2528 NP to 2529; 2529 NP to 2530; 2530 NP to 2531; 2531 NP to 2532; 2532 NP to 2533; 2533 NP to 2534; 2534 NP to 2535; 2535 NP to 2536; 2536 NP to 2537; 2537 NP to 2538; 2538 NP to 2539; 2539 NP to 2540; 2540 NP to 2541; 2541 NP to 2542; 2542 NP to 2543; 2543 NP to 2544; 2544 NP to 2545; 2545 NP to 2546; 2546 NP to 2547; 2547 NP to 2548; 2548 NP to 2549; 2549 NP to 2550; 2550 NP to 2551; 2551 NP to 2552; 2552 NP to 2553; 2553 NP to 2554; 2554 NP to 2555; 2555 NP to 2556; 2556 NP to 2557; 2557 NP to 2558; 2558 NP to 2559; 2559 NP to 2560; 2560 NP to 2561; 2561 NP to 2562; 2562 NP to 2563; 2563 NP to 2564; 2564 NP to 2565; 2565 NP to 2566; 2566 NP to 2567; 2567 NP to 2568; 2568 NP to 2569; 2569 NP to 2570; 2570 NP to 2571; 2571 NP to 2572; 2572 NP to 2573; 2573 NP to 2574; 2574 NP to 2575; 2575 NP to 2576; 2576 NP to 2577; 2577 NP to 2578; 2578 NP to 2579; 2579 NP to 2580; 2580 NP to 2581; 2581 NP to 2582; 2582 NP to 2583; 2583 NP to 2584; 2584 NP to 2585; 2585 NP to 2586; 2586 NP to 2587; 2587 NP to 2588; 2588 NP to 2589; 2589 NP to 2590; 2590 NP to 2591; 2591 NP to 2592; 2592 NP to 2593; 2593 NP to 2594; 2594 NP to 2595; 2595 NP to 2596; 2596 NP to 2597; 2597 NP to 2598; 2598 NP to 2599; 2599 NP to 2600; 2600 NP to 2601; 2601 NP to 2602; 2602 NP to 2603; 2603 NP to 2604; 2604 NP to 2605; 2605 NP to 2606; 2606 NP to 2607; 2607 NP to 2608; 2608 NP to 2609; 2609 NP to 2610; 2610 NP to 2611; 2611 NP to 2612; 2612 NP to 2613; 2613 NP to 2614; 2614 NP to 2615; 2615 NP to 2616; 2616 NP to 2617; 2617 NP to 2618; 2618 NP to 2619; 2619 NP to 2620; 2620 NP to 2621; 2621 NP to 2622; 2622 NP to 2623; 2623 NP to 2624; 2624 NP to 2625; 2625 NP to 2626; 2626 NP to 2627; 2627 NP to 2628; 2628 NP to 2629; 2629 NP to 2630; 2630 NP to 2631; 2631 NP to 2632; 2632 NP to 2633; 2633 NP to 2634; 2634 NP to 2635; 2635 NP to 2636; 2636 NP to 2637; 2637 NP to 2638; 2638 NP to 2639; 2639 NP to 2640; 2640 NP to 2641; 2641 NP to 2642; 2642 NP to 2643; 2643 NP to 2644; 2644 NP to 2645; 2645 NP to 2646; 2646 NP to 2647; 2647 NP to 2648; 2648 NP to 2649; 2649 NP to 2650; 2650 NP to 2651; 2651 NP to 2652; 2652 NP to 2653; 2653 NP to 2654; 2654 NP to 2655; 2655 NP to 2656; 2656 NP to 2657; 2657 NP to 2658; 2658 NP to 2659; 2659 NP to 2660; 2660 NP to 2661; 2661 NP to 2662; 2662 NP to 2663; 2663 NP to 2664; 2664 NP to 2665; 2665 NP to 2666; 2666 NP to 2667; 2667 NP to 2668; 2668 NP to 2669; 2669 NP to 2670; 2670 NP to 2671; 2671 NP to 2672; 2672 NP to 2673; 2673 NP to 2674; 2674 NP to 2675; 2675 NP to 2676; 2676 NP to 2677; 2677 NP to 2678; 2678 NP to 2679; 2679 NP to 2680; 2680 NP to 2681; 2681 NP to 2682; 2682 NP to 2683; 2683 NP to 2684; 2684 NP to 2685; 2685 NP to 2686; 2686 NP to 2687; 2687 NP to 2688; 2688 NP to 2689; 2689 NP to 2690; 2690 NP to 2691; 2691 NP to 2692; 2692 NP to 2693; 2693 NP to 2694; 2694 NP to 2695; 2695 NP to 2696; 2696 NP to 2697; 2697 NP to 2698; 2698 NP to 2699; 2699 NP to 2700; 2700 NP to 2701; 2701 NP to 2702; 2702 NP to 2703; 2703 NP to 2704; 2704 NP to 2705; 2705 NP to 2706; 2706 NP to 2707; 2707 NP to 2708; 2708 NP to 2709; 2709 NP to 2710; 2710 NP to 2711; 2711 NP to 2712; 2712 NP to 2713; 2713 NP to 2714; 2714 NP to 2715; 2715 NP to 2716; 2716 NP to 2717; 2717 NP to 2718; 2718 NP to 2719; 2719 NP to 2720; 2720 NP to 2721; 2721 NP to 2722; 2722 NP to 2723; 2723 NP to 2724; 2724 NP to 2725; 2725 NP to 2726; 2726 NP to 2727; 2727 NP to 2728; 2728 NP to 2729; 2729 NP to 2730; 2730 NP to 2731; 2731 NP to 2732; 2732 NP to 2733; 2733