

RAINFALL AT

Yr 13
Kinfauns Castle

10

Persh.

Observer

Rain

By.....

Gauge on Tower

Gauge

Diameter.....in.

Height above Ground.....ft.....in.

Above Mean Sea Level *129* ft.

May L. bank - 16.

YEAR.....	1811	1812	1813	1814	1815	1816	1817	1818	1819	MEANS.
January.....	1.45	.72	1.05	.60	.70	1.52	1.42	2.45	2.49	
February.....	2.63	2.16	2.66	.63	1.50	.60	1.50	.86	1.40	
March.....	.90	.86	.41	.85	1.50	1.00	.90	1.62	.80	
April.....	1.91	1.38	.73	1.75	1.04	.76	.40	1.03	3.45	
May.....	3.12	1.41	3.50	.75	2.22	1.80	2.80	1.67	.92	
June.....	2.20	2.89	1.07	.57	.71	1.16	4.08	1.34	1.96	
July.....	2.86	2.56	2.44	1.72	1.80	3.00	3.00	3.20	.95	
August.....	2.71	2.38	.63	2.60	1.52	2.80	4.00	.70	1.25	
September.....	1.75	1.06	1.72	.57	1.69	2.27	.77	1.99	1.30	
October.....	4.41	3.18	1.70	1.02	2.42	1.55	1.05	1.40	3.88	
November.....	2.97	3.50	1.47	2.30	1.25	1.50	2.30	2.22	1.50	
December.....	1.30	.65	.75	2.23	1.35	1.65	1.34	1.41	1.32	
TOTALS.....	28.74	22.75	17.33	15.59	17.70	19.61	23.56	19.89	21.22	

From Original Register Book returned.

The Printed Cards for 1814 & 1817 give the following

	1814	1817
<i>Gauge No 1 On a conical detached hill 600 ft above sea</i>	<i>33.84</i>	<i>44.40</i>
<i>2 Centre of Garden</i>	<i>20.</i>	<i>20.05</i>
<i>3 Kinfauns Castle</i>	<i>129.</i>	<i>15.59</i>

The cards give monthly totals which add to 15.59 in in 1814 and 31.01 in in 1817. It will be seen that 1814 agrees with the Register Book but 1817 does not. The Register Book gives no information as to the gauge & does not suggest any change

RAINFALL AT

Kimfauns Castle

10

Peth.

Rain } By

Gauge } Diameter.....in.

Height above Ground, ft. in.

Above Mean Sea Level, ft.

Loc. L. bank. 16. Castle Tower

Garden

YEAR	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	MEANS.
January		1.45	.72	1.05	.60			1.75		4.20	
February		2.63	2.16	2.66	.63			1.90		2.45	
March90	.86	.41	.85			1.10		1.10	
April		1.91	1.38	.73	1.75			.50		4.50	
May		3.12	1.41	2.50	.75			3.10		1.15	
June		2.20	2.89	1.07	.57			4.80		2.35	
July		2.86	2.56	2.44	1.72			3.85		1.20	
August		2.71	2.38	.63	2.60			5.25		1.40	
September ...		1.78	1.06	1.72	.57			.85		1.70	
October		4.41	3.18	1.70	1.02			1.55		4.20	
November ...		2.97	3.56	1.47	2.30			2.70		1.80	
December		1.80	.65	.95	2.23			3.66		2.55	
TOTALS.....		28.74	22.75	17.33	15.59	24.20	24.95	31.01	28.07	28.60	

Totals 1815-19 from Total book

In 1814 3 gauges were in use

1814 1817

No 1 On a conical hill 600 feet above sea 33.84 in. 44.40 in.

2 Centre of garden 20 " " 20.05 " 31.01 "

3 Kimfauns Castle 129 " " 15.59 " 23.56 "

1819 (monthly totals) Recd. from Mr R. C. Mossman and entered 30.X.1909.

Boingfall at Kirfauns Castle

S. V.

Perth.

Lat. 56.23.30N

Observer R. Hon. Lord Gray

Authority

Y 393

Centre of the Kirfauns Garden

Day, L. bank - 16.

In a Garden 20 ft above S.L.

YEAR --	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	MEANS.
January --	2.30		.95	3.50	1.35	1.45		2.50	3.40	5.00	
February --	1.40		3.20	3.50	1.45	.95		1.90	3.30	2.00	
March --	.50		3.40	1.30	1.05	1.20		2.70	1.00	1.50	
April --	.90		1.64	1.00	1.00	2.40		3.70	2.80	3.00	
May --	5.20		1.30	2.20	.40	2.60		3.20	2.75	1.70	
June --	1.60		.50	1.00	1.75	2.50		1.50	1.90	1.00	
July --	1.00		4.00	6.35	1.80	.30		2.90	2.50	5.85	
August --	2.20		3.50	3.50	1.70	2.00		2.70	4.50	5.40	
September --	1.20		1.00	1.65	2.20	2.35		1.50	1.50	2.75	
October --	2.50		4.10	3.55	4.00	2.15		5.70	2.00	2.50	
November --	1.70		3.20	1.45	4.40	2.80		2.20	5.00	2.80	
December --	2.20		1.01	4.45	2.90	3.20		4.40	3.00	1.30	
TOTALS --	23.50	21.18	27.80	33.45	24.00	23.90	19.35	34.90	33.65	35.60	27.733

Fall on the Tower ^{above S.L.}

1820 18.5 = 129 ft

1821 29.*

1822 * 20.12 * Given as 20.22 in M.S.

1823 26.31

1824 20.18 = 150 ft

1825 23.45 = 140 ft

1826 19.80

1827 35.40 =

1828 34.40 = 140 ft

1829 36.00 = 100 ft

263.36

1820 Ed. New Phil Journ

1828 Ed. Journal of Science

48.5 Ed. New Phil Journal

7 Ed. M. Phil Journ

Ed. M. Phil Journ

*

1821

J. 3.20

2 .60

M 3.50

A 3.35

M 1.70

J .50

J 1.10

A 1.15

S 2.10

O 1.75

N 5.25

N 4.80

Yr 29.00

from Luke Howard MS (Wharfedale 116)

Risingall at Kinfauns Castle

S. W.

Perth.

Observer -

Authority

Y 393

Jay, Rank - 16. In the Garden.

20 ft. above Sea Level

YEAR --	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	MEANS.
January --	2.00	1.45	.85	.50	4.50	1.55	3.40	1.70	1.45	1.35	
February --	2.00	2.90	1.20	4.50	1.50	2.15	1.60	3.40	.86	1.56	
March --	1.20	3.20	1.60	2.00	1.40	2.00	4.35	.95	2.04	2.55	
April ---	2.90	1.40	2.20	2.50	.90	.50	1.50	2.35	1.35	1.08	
May ----	3.70	1.70	1.49	1.40	1.25	2.90	.88	1.85	3.15	.90	
June ----	2.50	2.30	2.96	4.50	2.25	.80	3.30	2.45	5.82	2.80	
July ----	5.20	1.65	1.20	4.30	1.65	1.20	3.65	5.20	3.24	4.27	
August --	5.00	2.45	3.00	1.90	1.55	3.65	1.65	2.80	3.52	1.68	
September -	5.00	2.20	2.20	3.20	3.25	4.15	4.05	1.33	3.42	5.85	
October --	.35	5.00	4.25	2.65	1.60	2.30	3.60	2.05	1.84	3.10	
November -	3.00	2.00	2.40	2.00	2.70	2.80	3.50	1.55	2.65	3.41	
December -	4.00	2.80	2.90	3.60	.75	1.60	2.40	2.17	1.26	3.68	
TOTALS -	36.85	29.05	26.25	33.05	23.10	25.60	33.88	27.80	30.60	32.23	

On The Tower - Above S.L.

1830	36.85	at 180 ft	C
1	28.95	at 180 ft	
2	26.15	at 180 ft	C
3	33.65	at 180 ft	C
4	23.25	at 180 ft	C
5	25.75	at 180 ft	C
6	33.17	at 180 ft	C
7	27.49	at 180 ft	C
8	30.93	at 180 ft	C
9	32.71	at 180 ft	C

30 Ed Phil Journal
 32-9 Ed Phil Journal
 4-9 Stat Acc't.

All the above values correspond with a set of the annual printed cards received from Kinfauns Castle in 1896

Rainfall at Kinfauns

S-X 40
Perth.

Observer -

Authority

Centre of Kinfauns Garden

Gauge

Above Sea Level 20 ft.

Day, L. bank - 16.

YEAR - -	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	MEANS.
January - -	3.96	2.30	2.41								
February - -	2.12	1.85	1.91								
March - - -	.25	1.55	2.67	1.35							
April - - -	.14	1.38	.00								
May - - - -	2.85	1.56	2.10								
June - - - -	1.60	1.91	1.33	2.10							
July - - - -	4.45	3.96	2.89	3.09							
August - - -	1.98	4.76	1.80								
September -	2.23	2.65	1.42								
October - - -	2.97	4.66	.85								
November -	2.17	2.12	2.70								
December -	.45	2.40	2.94								
TOTALS -	25.17	31.10	23.10								

6 6 8 C

On the Square Tower

402 Ed Phil Jour
" " Stat Ass't of S

1840 at 100 ft above S.L. = 25.22 C 3 ? Ed Phil Jour 4-72

1 at 100 ft " " = 30.89 C

2 at 100 ft " " = 2.22

RAINFALL AT *Perth Kinfauns Castle Gardens*

Lat. _____

Lon. _____

County of *Perth*

Rain Gauge, by _____

Observer *Col F. J. Stuart Gray*

Jay, L. bank - 16.

Diameter										5		
Height										13		
Altitude										20		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January									1.02	3.87		
February83	2.34		
March37	1.89		
April									3.77	2.55		
May									2.84	4.18		
June									1.61	1.81		
July97	3.17		
August									2.96	1.06		
September....									2.37	3.56		
October									5.69	1.41		
November....									4.56	3.12		
December									2.73	3.76		
TOTALS . . .									29.72	32.72		

Kinfauns Church 1 mile E
House 40 ft high 35 ft N

RAINFALL AT Kinfauns Castle

Lat. $56^{\circ} 23' 30''$ N

Lon. $3^{\circ} 22' 14''$ W

County of Perth

Rain Gauge, by

Observer Lt-Col. F.J. Stuart Gray

Day, L. bank - 16.

Diameter						5					
Height						16. 0					
Altitude						150					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January86	1.34	1.01	3.69	
February72	1.01	.61	2.13	
March							1.35	3.03	.34	1.97	
April94	1.37	3.51	2.59	
May41	1.42	2.75	3.72	
June							2.57	3.98	1.57	1.76	
July							3.66	1.00	1.00	3.12	
August						6.75	2.38	2.17	2.85	1.06	
September85	4.24	1.55	2.31	3.47	
October						1.89	3.03	1.81	5.58	1.27	
November						3.28	.69	1.71	4.26	2.77	
December						3.16	4.31	3.19	2.46	3.65	
TOTALS							25.16	23.58	28.25	31.20	

Kinfauns Church 1 Mile E
Corner of Castle 40 ft high 20 ft N

RAINFALL AT *Perth Kinfares Castle*

Lat.

Lon.

County of *Perth*

Rain Gauge, by

Observer *Col. F. J. Mont. Gray*

Lay, L bank - 16.

Diameter ..	5										
Height	16 0										
Altitude ..	150 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.70										
February ..	2.24										
March	1.13										
April	1.61										
May	1.59										
June	2.41										
July	3.21										
August	4.36										
September ..	2.18										
October	3.57										
November ..	4.06										
December ..	3.78										
TOTALS ..	33.84										

1900 Kinfares Church 1.7 mile E
 Coming Castle 40 ft high 20 ft N

average computed X/37 from records 1896-1900 rejected
 from survey as 5" too low.

RAINFALL AT *Perth Kinfaun's Castle Garden*

Lat. Lon. County of *Perth*

Rain Gauge, by

Observer

Col F. J. Stuart Gray
W. H. Forwick Esq

Jay. L. bank - 16.

Diameter ..	5										
Height	1 3										
Altitude ..	20										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	3.98			4.25							
February ..	3.06			3.44							
March	1.17			4.23							
April	1.66			.87							
May	1.64			1.19							
June	2.60			1.80							
July	3.35			4.29							
August	4.35			4.53							
September ..	2.27			2.22							
October	3.63			5.66							
November ..	4.34			1.05							
December ..	4.07			2.63							
TOTALS ..	36.12			36.16							

1900 Kinfaun's Church 1 mile E
House 40 ft high 35 ft N

Records for the 4 years 1898-1900, 1903 were
inscribed to be 3' too low (see Rainfall Survey
of Perth, completed XI/37)