

Week 43. OCTOBER 20TH TO OCTOBER 26TH, 1918. Days 293 to 299.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M. Last week of Wheat-growing period Western Australia. (Meteorological Map, Western Australia 1908.)			Diary.
SUNDAY, OCTOBER 20th.	☉ S 10° 2'.	—	*293. Post Weekly Returns.
MONDAY, 21st.	☉ S 10° 5'.	M 0h. 44m.	294. Post Anemograms. Post Barograms. M.O.—Discussion, 17h.
TUESDAY, 22nd.	☉ S 10° 9'.	M 1h. 45m.	H.D.I. *295.
1819. Henry Toynbee, Marine Superintendent, M.O., b. [d. 29th March, 1909].			
WEDNESDAY, 23rd.	☉ S 11° 2'.	M 2h. 46m.	296.
THURSDAY, 24th.	☉ S 11° 6'.	M 3h. 46m.	*297. Obs.—Send curves and tabu- lations.
1902. Santa Maria eruption.			
FRIDAY, 25th.	☉ S 11° 90'.	M 4h. 42m.	298.
1665. Great gale in London [see 26th]. 1859. 25th-26th, "Royal Charter" storm, Irish Sea.			
SATURDAY, 26th.	☉ S 12° 3'.	M 5h. 34m.	*299. Obs.—Close Journal, 52.
(Third quarter, 17h. 35m.) 1665. "In the evening [bar. in London] very near at 27½ ins., wind quiet."— <i>Phil. Trans.</i> In the morning it had been 28 ins. and on the day before 28½ ins. in the morning, with much rain and a great storm. "At Bristol [bar.] in the evening remarkably low, only 27½ ins.; 25th, a.m., 28½, 26th, a.m., 28 ins. (sea level)."—DR. BEAL. (LOWE.)			

Times of Sunrise, Noon and Sunset, G.M.T., October 20th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 0	11 57	16 54	Cahirciveen	7 15	12 26	17 36
Aberdeen	6 53	11 53	16 53	Richmond	6 34	11 46	16 58
Eskdalemuir	6 53	11 58	17 2	Falmouth	6 51	12 5	17 19

Week 44. OCTOBER 27TH TO NOVEMBER 2ND, 1918. Days 300 to 306.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.			Diary
SUNDAY, OCTOBER 27th.	☉ S 12° 6'.	M 6h. 23m.	300. M.O.—W.W.R. App. I. Copy day. Post Weekly Returns.
1913. Tornadoes in South Wales and Shropshire. (G.M.)*			
MONDAY, 28th.	☉ S 12° 9'.	M 7h. 8m.	*301. Post Anemograms. Post Barograms.
St. Simon and St. Jude.			
TUESDAY, 29th.	☉ S 13° 3'.	M 7h. 51m.	302. H.D.I.
1656. Edmund Halley, Magnetician, Astronomer and Meteorologist, b. [d. 14th Jan. 1724]. 1898. Tornado at Camberwell. (Q.J.)			
WEDNESDAY, 30th.	☉ S 13° 6'.	M 8h. 33m.	*303.
1868. Hereford earthquake. (S.M.)			
THURSDAY, 31st.	☉ S 13° 9'.	M 9h. 14m.	304. M.O.—Geophysical Journal, August Copy day. Circular 001. Copy day. Obs.—Close Journal, 53. Obs.—Send curves and tabu- lations.
FRIDAY, NOVEMBER 1st.	☉ S 14° 3'.	M 9h. 55m.	*305.
All Hallows. 1828. Balfour Stewart, Magnetician and Solar Physicist, Superintendent of Kew Observatory, b. [d. 19 Dec. 1887]. 1076. Frost lasted from 1st November, to 15th April, 1077.—(ANDREWS.) 1755. Great Earthquake of Lisbon.			
SATURDAY, 2nd.	☉ S 14° 6'.	M 10h. 36m.	306. Obs.—Close Journal, 54.
1826. Henry John Stephen Smith, Mathema- tician, Chairman of Meteorological Council, b. [d. 9 Feb. 1883].			

Times of Sunrise, Noon and Sunset, G.M.T., October 27th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 17	11 56	16 35	Cahirciveen	7 28	12 25	17 22
Aberdeen	7 8	11 52	16 35	Richmond	6 47	11 45	16 43
Eskdalemuir	7 8	11 57	16 46	Falmouth	7 2	12 4	17 5

* Geophysical Memoirs.

MET 12/13/97

M.O. 213.

METEOROLOGICAL OFFICE, LONDON.

1913.

CALENDAR

WITH

NOTES AND DIARY OF OPERATIONS

FOR

THE USE OF OBSERVERS.

Issued by the Authority of the Meteorological Committee.



LONDON:
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE,
By DARLING & SON, LTD., 34-40, BACON STREET, E.

1913.

FIFTH WEEK OF WINTER.				YEAR XXXVI.	WEEK No. 1.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.	SUNDAY, 29th DECEMBER.	
0	37.8	0.7	1.09		
1	36.4	1.0	0.60		
2	37.8	1.1	0.42		
3	37.3	1.3	0.45		
4	37.2	1.2	0.55		
5	39.1	1.4	0.54	MONDAY, 30th DECEMBER.	
6	38.7	1.0	1.09		
7	39.1	1.0	0.68		
8	41.0	1.5	0.91		
9	40.2	1.2	0.81		
10	42.0	1.5	1.05		
11	44.5	1.8	0.80	TUESDAY, 31st DECEMBER.	
Normals for January.				WEDNESDAY, 1st JANUARY, 1913.	
N.	0	38.4	0.82	5.92	New Year's Day (England since 1751, Scotland since 1600).
E.	1	37.5	1.37	2.57	
	2	38.6	1.37	1.77	
	3	38.0	1.68	1.74	
	4	38.1	1.42	2.17	
	5	39.7	1.60	2.27	THURSDAY, 2nd JANUARY.
W.	6	39.7	1.19	4.69	George Biddell Airy died, 1892.
	7	39.7	1.22	3.03	
	8	41.4	1.63	3.67	
	9	40.7	1.38	3.45	
	10	42.4	1.65	4.00	
S.	11	44.4	2.08	3.04	FRIDAY, 3rd JANUARY.
				First meeting of the Meteorological Committee of the Royal Society, 1867.	
				SATURDAY, 4th JANUARY.	

29TH DECEMBER, 1912, TO 4TH JANUARY, 1913.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.					
		Highest.	Lowest.						
B. Th.	An. R.	°F	°F.	G.M.T.					
		V FEAK	V FEAK	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
		54.0	20.0	8 9	12 3	15 58	8 9	12 3	15 58
		50.0	21.0	8 52	- 10	15 28	8 52	- 10	15 28
		55.0	29.0	8 43	- 15	15 47	8 43	- 15	15 47
		53.8	32.4	8 22	- 22	16 22	8 22	- 22	16 22
				8 51	- 43	16 36	8 51	- 43	16 36
Weekly Schedule, No. 52 posted.									
364-365.	365.	54.4	18.0	8 9	12 4	15 59	8 9	12 4	15 59
		49.5	25.9	8 52	- 11	15 30	8 52	- 11	15 30
Send Anemograms 359-365.									
Weekly Barogram, No. 52.									
		55.8	25.0	8 43	- 15	15 47	8 43	- 15	15 47
		53.6	30.9	8 22	- 23	16 24	8 22	- 23	16 24
				8 51	- 44	16 37	8 51	- 44	16 37
		54.7	17.0	8 9	12 4	15 59	8 9	12 4	15 59
		50.4	15.8	8 52	- 11	15 30	8 52	- 11	15 30
		55.5	25.9	8 43	- 16	15 49	8 43	- 16	15 49
		54.1	29.4	8 22	- 23	16 24	8 22	- 23	16 24
				8 51	- 44	16 37	8 51	- 44	16 37
Journal, Tabulation, Cloud and Weather, 62.									
366-1.	1.	55.0	17.1	8 9	12 5	16 1	8 9	12 5	16 1
		55.9	16.7	8 51	- 12	15 33	8 51	- 12	15 33
		54.7	28.2	8 43	- 16	15 49	8 43	- 16	15 49
		54.7	31.8	8 22	- 24	16 26	8 22	- 24	16 26
				8 51	- 45	16 38	8 51	- 45	16 38
		52.4	14.9	8 9	12 5	16 1	8 9	12 5	16 1
		52.7	22.2	8 51	- 12	15 33	8 51	- 12	15 33
		53.2	25.2	8 43	- 17	15 51	8 43	- 17	15 51
		54.7	30.0	8 22	- 24	16 26	8 22	- 24	16 26
				8 51	- 45	16 39	8 51	- 45	16 39
THURSDAY.									
Send B. Th. Curves, 358-365.									
" An. and R., 358-364.									
" Journals, Tabulations, Clouds and Weather Sheets, 61.									
2-3.	3.	53.7	20.7	8 9	12 6	16 2	8 9	12 6	16 2
		49.6	18.1	8 51	- 13	15 35	8 51	- 13	15 35
		54.4	25.9	8 42	- 17	15 52	8 42	- 17	15 52
		55.0	29.4	8 22	- 25	16 28	8 22	- 25	16 28
				8 51	- 46	16 40	8 51	- 46	16 40
FRIDAY.									
International Day.									
		53.0	16.2	8 9	12 6	16 3	8 9	12 6	16 3
		47.7	28.1	8 50	- 13	15 36	8 50	- 13	15 36
		54.1	21.5	8 42	- 18	15 54	8 42	- 18	15 54
		53.4	26.4	8 22	- 25	16 28	8 22	- 25	16 28
				8 50	- 46	16 41	8 50	- 46	16 41
SATURDAY.									
Journal, Tabulation, Cloud and Weather, 1.									
Send Curves and Tabulations for December.									
Climatological Stations send Schedules for December.									

SIXTH WEEK OF WINTER.				YEAR XXXVI.	WEEK No. 2.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 5th JANUARY.	
0	38.0	0.8	1.14	Frost very intense in London; temperature 8° below zero. The longest frost on record, and the ice on the River Thames 11 in. thick. There were shops on the river till February. 1684.—(LOWE.)	
E.					
1	36.8	1.1	0.54		
2	38.1	1.1	0.46		
3	37.3	1.4	0.39		
4	37.4	1.3	0.46		
5	39.1	1.5	0.50		
W.				MONDAY, 6th JANUARY. Epiphany. Twelfth Day. Abbott Lawrence Rotch born, 1861. Benjamin Franklin born, 1706.	
6	39.2	1.1	0.98		
7	39.3	1.1	0.62		
8	41.0	1.5	0.78		
9	40.4	1.3	0.74		
10	42.1	1.6	0.91		
S.				TUESDAY, 7th JANUARY.	
11	44.2	2.0	0.69	7th-27th. Severe frost, 1881 (Q. J.). Barometer 27.69 in. at Aberdeen, 1839.	
				WEDNESDAY, 8th JANUARY.	
				W. or W.S.W. gale. So violent a one has not been known since the memorable one of November, 1703. 1735.—(LOWE.) Barometer 31.046 in. at Gordon Castle at 9 a.m., 1820.	
				THURSDAY, 9th JANUARY.	
				Barometer (sea level) 31.108, Ochertyre 9 a.m., 31.106, Fort William, 1896.	
				FRIDAY, 10th JANUARY.	
				Issue of lithographed copies of Daily Weather Report begun, 1869.	
				Reports by radio-telegraphy from Atlantic liners begun, 1909	
				SATURDAY, 11th JANUARY.	

5TH JANUARY TO 11TH JANUARY, 1913.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B. Th.	An. R.		°F.	°F.	G.M.T.				
4-5.	5.	SUNDAY.	V F E A K 52.6 50.1 — 53.7 53.0	V F E A K 13.1 12.7 — 19.1 23.5	h. m.	h. m.	h. m.	h. m.	h. m.
Weekly Schedule, No. 1 posted.					8 8	12 6	16 4	8 49	— 14 15 39
					8 41	— 18	15 55	8 22	— 26 16 30
					8 50	— 46	16 42		
MONDAY.			53.7 50.7 — 54.1 53.8	19.7 12.4 — 20.7 21.1	8 7	12 7	16 6	8 48	— 14 15 40
Send Anemograms, 366-6. Weekly Barogram, No. 1.					8 41	— 19	15 57	8 21	— 26 16 31
					8 50	— 47	16 43		
6-7. TUESDAY.			53.8 52.3 — 53.0 52.9	15.8 11.0 — 24.1 27.5	8 7	12 7	16 7	8 48	— 15 15 42
					8 40	— 19	15 58	8 21	— 27 16 33
					8 49	— 47	16 44		
WEDNESDAY.			53.3 54.1 — 54.9 53.2	16.3 16.0 — 25.6 28.7	8 7	12 8	16 9	8 47	— 15 15 43
					8 40	— 20	16 0	8 20	— 27 16 34
					8 49	— 48	16 46		
8-9. THURSDAY.			52.9 57.5 — 52.8 53.6	21.5 11.6 — 28.6 29.3	8 6	12 8	16 10	8 47	— 16 15 45
Send B. Th. Curves, 366-5. " An. and R., 365-5. " Journals, &c., 62-1.					8 39	— 20	16 1	8 20	— 27 16 34
					8 48	— 48	16 48		
FRIDAY.			53.2 48.8 — 53.0 52.4	15.2 13.4 — 25.1 29.9	8 6	12 9	16 12	8 46	— 16 15 46
					8 38	— 20	16 2	8 20	— 28 16 36
					8 48	— 49	16 50		
10-11. SATURDAY.			51.7 50.7 — 53.0 54.0	13.3 11.2 — 26.5 29.6	8 5	12 9	16 13	8 44	— 16 15 48
Journal, Tabulation, &c., 2.					8 38	— 21	16 4	8 19	— 28 16 37
					8 47	— 49	16 51		

SEVENTH WEEK OF WINTER.				YEAR XXXVI.	WEEK No. 3.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.		
0	38.9	0.8	1.45	SUNDAY, 12th JANUARY.	
E.					
1	38.1	1.4	0.58		
2	38.9	1.4	0.40		
3	38.1	1.6	0.36		
4	38.3	1.4	0.44		
5	39.8	1.6	0.49	MONDAY, 13th JANUARY.	
W.					
6	40.3	1.2	1.06		
7	40.0	1.2	0.68		
8	41.6	1.6	0.78		
9	41.0	1.4	0.76		
10	42.8	1.6	0.85		
S.				TUESDAY, 14th JANUARY.	
11	44.4	2.0	0.62	1st January (Old Style) in Russian Empire, &c. Edmund Halley died, 1724. Matthew Fontaine Maury born, 1806.	
				WEDNESDAY, 15th JANUARY.	
				THURSDAY, 16th JANUARY.	
				FRIDAY, 17th JANUARY.	
				Sir Francis Galton died, 1911. Low temperatures 1881. — 15° Stobo, — 16° Kelso, — 22° Blackadder.	
				SATURDAY, 18th JANUARY.	
				Great Snowstorm in South (London milk supply curtailed), 1881.	

12TH JANUARY TO 18TH JANUARY, 1913.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th.	An. R.	°F.	°F.	G.M.T.	
SUNDAY.	12.	VFEAK	VFEAK	h. m.	h. m.
		54.2	19.1	8 4	12 9
		54.1	23.4	8 44	17 15
		—	—	8 36	21 16
		53.7	24.7	8 19	29 16
		53.6	29.8	8 47	49 16
Weekly Schedule, No. 2 posted.					
12-13.	13.	54.8	19.7	8 4	12 10
	MONDAY.	51.4	17.0	8 42	17 15
Send Anemograms, 7-13.		—	—	8 36	22 16
" Weekly Barogram, No. 2.		53.9	28.0	8 18	29 16
		53.2	27.7	8 46	50 16
	14.	51.8	12.0	8 3	12 10
	TUESDAY.	54.6	14.4	8 42	18 15
		—	—	8 35	22 16
		53.2	27.7	8 17	29 16
		54.0	31.4	8 45	50 16
14-15.	15.	54.1	10.9	8 2	12 10
	WEDNESDAY.	53.1	22.4	8 40	18 15
		—	—	8 33	22 16
		54.0	26.0	8 17	30 16
		54.0	28.7	8 44	50 16
	16.	53.1	15.1	8 2	12 11
	THURSDAY.	52.0	16.7	8 39	18 15
Send B. Th. Curves, 6-13.		—	—	8 33	23 16
" An. and R., 6-12.		53.0	27.8	8 15	30 16
" Journal, &c., 2.		54.4	25.5	8 43	51 16
16-17.	17.	51.8	9.4	8 1	12 11
	FRIDAY.	51.4	6.0	8 38	19 16
		—	—	8 32	23 16
		53.7	26.8	8 14	30 16
		54.1	30.6	8 42	51 17
	18.	53.1	20.5	8 0	12 11
	SATURDAY.	57.1	7.5	8 37	19 16
Journal, Tabulation, &c., 3.		—	—	8 30	23 16
		53.4	22.4	8 14	31 16
		54.3	27.7	8 41	51 17

EIGHTH WEEK OF WINTER.				YEAR XXXVI.	WEEK No. 4.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 19th JANUARY.	
0	38·9	0·9	1·63		
E.					
1	38·6	1·7	0·61		
2	39·4	1·7	0·34		
3	38·9	2·1	0·38	MONDAY, 20th JANUARY. William Ferrel born, 1817.	
4	39·1	1·7	0·50		
5	40·3	1·8	0·51		
W.					
6	40·7	1·3	1·12		
7	40·3	1·4	0·75	TUESDAY, 21st JANUARY.	
8	41·9	1·8	0·85		
9	41·1	1·5	0·81		
10	42·9	1·8	0·84		
S.					
11	44·7	2·2	0·65	WEDNESDAY, 22nd JANUARY. St. Vincent. "Now," says Evelyn, "was the Thames frozen over, with horrid tempests of wind." 1649.—(LOWE.)	
				THURSDAY, 23rd JANUARY.	
				FRIDAY, 24th JANUARY.	
				SATURDAY, 25th JANUARY. St. Paul.	

19TH JANUARY TO 25TH JANUARY, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 18-19.	An. R. 19.	°F. VFEAK	°F. VFEAK	G.M.T.		
	SUNDAY.	55.5	20.8	h. m.	h. m.	h. m.
		59.0	19.0	7 58	12 12	16 26
		—	—	8 35	— 19	16 3
		54.2	24.9	8 29	— 24	16 19
		54.6	27.4	8 13	— 31	16 49
				8 40	— 52	17 4
Weekly Schedule, No. 3 posted.						
	MONDAY.	20.	53.8	15.0	7 57	12 12
			50.6	20.6	8 34	— 20
			—	—	8 28	— 24
			53.0	25.7	8 11	— 31
			53.3	26.5	8 39	— 52
					17 5	
	Send Anemograms, 14-20. Weekly Barogram, No. 3.					
20-21.	TUESDAY.	21.	55.4	16.0	7 56	12 12
			51.4	17.9	8 32	— 20
			—	—	8 26	— 24
			53.9	23.0	8 11	— 32
			55.1	24.6	8 38	— 52
					17 6	
	WEDNESDAY.	22.	54.7	16.1	7 55	12 13
			54.0	24.4	8 30	— 20
			—	—	8 24	— 24
			52.7	22.8	8 10	— 32
			54.4	25.6	8 37	— 53
					17 8	
22-23.	THURSDAY.	23.	54.2	25.0	7 54	12 13
			53.0	16.8	8 28	— 20
			—	—	8 24	— 25
			53.4	26.2	8 8	— 32
			54.6	27.4	8 36	— 53
					17 10	
	Send B. Th. Curves, 14-19. " An. and R. Curves, 13-19. " Journal, &c., 3.					
	FRIDAY.	24.	53.0	22.7	7 53	12 13
			53.3	16.0	8 27	— 21
			—	—	8 22	— 25
			52.6	26.9	8 7	— 32
			53.4	24.7	8 35	— 53
					17 11	
24-25.	SATURDAY.	25.	54.1	19.0	7 52	12 13
			52.0	19.4	8 25	— 21
			—	—	8 20	— 25
			53.9	25.0	8 7	— 33
			53.4	28.6	8 34	— 53
					17 12	
	Journal, Tabulation, &c., 4.					

NINTH WEEK OF WINTER.				YEAR XXXVI.	WEEK No. 5.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 26th JANUARY. Great Snowstorm, Barometer 27.332 in. (Sea level), Ochertyre, 1884.	
0	37.9	1.2	1.43		
E.					
1	37.8	2.0	0.57		
2	39.2	2.0	0.36		
3	38.9	2.4	0.38	MONDAY, 27th JANUARY. Meteorological Society Incorporated by Royal Charter, 1866.	
4	39.1	1.9	0.51		
5	40.4	2.0	0.53		
W.					
6	39.9	1.6	1.03		
7	40.0	1.6	0.70	TUESDAY, 28th JANUARY.	
8	41.6	2.0	0.82		
9	40.7	1.7	0.77		
10	42.4	2.0	0.82		
S.					
11	44.4	2.5	0.66	WEDNESDAY, 29th JANUARY.	
N.	Normals for February.				
0	37.6	1.97	4.65		
E.					
1	37.0	2.60	2.20		
2	38.6	2.65	1.47	THURSDAY, 30th JANUARY.	
3	38.5	2.80	1.48		
4	38.6	2.40	1.83		
5	39.9	2.66	1.98		
W.					
6	39.0	2.19	3.81	FRIDAY, 31st JANUARY. Barometer (Sea level) 31.110 in., Aberdeen, 1902.	
7	39.5	2.37	2.40		
8	41.1	2.69	3.03		
9	40.5	2.38	2.80		
10	42.1	2.66	3.23		
S.				SATURDAY, 1st FEBRUARY. St. Bridget or Bride. Matthew Fontaine Maury died, 1873. First telegraphic report from Azores (Delgada), 1894.	
11	44.0	3.27	2.61		

26TH JANUARY TO 1ST FEBRUARY, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	26.	V F E A K	V F E A K	h. m.	h. m.	h. m.
		50.6	18.0	7 51	12 14	16 36
		52.7	17.3	8 23	21	16 19
		53.1	26.0	8 19	25	16 31
Weekly Schedule, No. 4 posted.		52.8	30.8	8 5	33	17 1
				8 33	54	17 14
26-27.	27.	51.3	18.9	7 50	12 14	16 38
MONDAY.		51.0	18.0	8 21	21	16 21
Send Anemograms, 21-27.		53.2	26.2	8 18	26	16 34
Weekly Barogram, No. 4.		53.2	32.2	8 4	33	17 2
Report for December issued.				8 32	54	17 16
28.	28.	51.4	18.9	7 48	12 14	16 40
TUESDAY.		50.7	18.7	8 19	21	16 23
		53.9	27.2	8 16	26	16 36
		52.6	28.8	8 2	33	17 4
				8 30	54	17 18
28-29.	29.	54.0	20.6	7 47	12 14	16 42
WEDNESDAY.		56.9	18.9	8 18	22	16 26
		53.0	25.1	8 14	26	16 38
		53.6	27.0	8 2	34	17 6
				8 28	54	17 20
30.	30.	54.6	22.7	7 45	12 14	16 44
THURSDAY.		54.4	22.3	8 16	22	16 28
Send B. Th. Curves, 20-27.		53.0	26.6	8 12	26	16 40
" An. and R. Curves, 20-26.		54.5	28.9	8 0	34	17 8
" Journal, &c., 4.				8 27	54	17 22
30-31.	31.	55.0	24.3	7 44	12 15	16 46
FRIDAY.		57.1	25.7	8 14	22	16 30
Journal, Tabulation, &c., 5.		53.2	25.9	8 10	26	16 42
		53.1	27.8	7 59	34	17 9
				8 26	55	17 24
32.	32.	56.3	24.6	7 42	12 15	16 48
SATURDAY.		55.3	27.0	8 12	22	16 32
Journal, Tabulation, &c., 6.		52.9	25.9	8 9	27	16 45
		53.0	27.8	7 57	34	17 11
				8 25	55	17 25

TENTH WEEK OF WINTER.				YEAR XXXVI.	WEEK No. 6.
Dist.		Normals, 1881-1905.		Historical Notes.	
		Mean Temperature, Sunshine, and Rainfall for twelve Districts.			
N.	0	°F.	hrs. per day.	in.	SUNDAY, 2nd FEBRUARY. Purification of the B.V.M. Candlemas. Sir G. G. Stokes died, 1903.
E.	1	36·9	2·4	0·55	
	2	38·7	2·5	0·38	
	3	38·4	2·5	0·37	
	4	38·6	2·2	0·47	
	5	40·0	2·2	0·52	
W.	6	38·6	2·0	0·98	MONDAY, 3rd FEBRUARY. Buys Ballot died, 1890.
	7	39·6	2·0	0·62	
	8	41·2	2·3	0·76	
	9	40·4	2·1	0·71	
	10	42·1	2·3	0·80	
S.	11	44·0	2·8	0·64	TUESDAY, 4th FEBRUARY. Reports by radiotelegraphy from H.M. Ships begun, 1907.
					WEDNESDAY, 5th FEBRUARY. First cautionary or "Storm Signal" made, 1861. Barometer 27·33, S.S. "Tarifa," 51°N., 24°W., 1870.
					THURSDAY, 6th FEBRUARY. St. Dorothea. "One of the coldest days, they say, ever felt in England." 1665.—(PEPYS.)
					FRIDAY, 7th FEBRUARY. Temperature —10° at Barkby, near Leicester, 1895.
					SATURDAY, 8th FEBRUARY. Long frost. Skating on the Serpentine, 8th to 21st, 1895. Temperature —12° Braemar. Line squall, 1906 (Q.J.).

2ND FEBRUARY TO 8TH FEBRUARY, 1913.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B. Th.	An. R.		°F.	°F.	G.M.T.				
32-33.	33.	SUNDAY.	VFEAK 53·5 52·1 — 52·9 52·0	VFEAK 21·6 24·0 — 26·0 31·5	h. m.	h. m.	h. m.		
					7 40	12 15	16 50		
					8 10	— 22	16 34		
					8 7	— 27	16 47		
Weekly Schedule, No. 5 posted.					7 56	— 34	17 12		
					8 23	— 55	17 27		
34.			52·3 50·7 — 52·0 52·6	22·1 16·0 — 31·7 25·2	7 39	12 15	16 51		
MONDAY.					8 7	— 22	16 37		
Send Anemograms, 28-34.					8 5	— 27	16 49		
Weekly Barogram, No. 5.					7 54	— 34	17 14		
					8 21	— 55	17 29		
35.			52·0 51·2 — 52·0 52·6	23·0 9·0 — 31·7 29·8	7 37	12 15	16 53		
TUESDAY.					8 6	— 22	16 38		
Send Curves and Tabulations for January.					8 3	— 27	16 51		
Climatological Stations send Schedules for January.					7 52	— 34	17 16		
					8 19	— 55	17 31		
36.			53·8 53·9 — 53·3 52·7	19·7 22·0 — 25·8 28·0	7 35	12 15	16 55		
WEDNESDAY.					8 4	— 23	16 42		
					8 1	— 27	16 53		
					7 51	— 34	17 17		
					8 17	— 55	17 33		
37.			52·6 53·0 — 53·1 54·1	14·5 19·1 — 22·4 23·0	7 34	12 15	16 56		
THURSDAY.					8 2	— 23	16 44		
Send B. Th. Curves, 28-33.					7 59	— 27	16 55		
" An. R. " 27-33.					7 50	— 35	17 20		
" Journal, &c., 5-6.					8 15	— 55	17 35		
" International Day.									
38.			57·6 52·5 — 54·3 54·0	10·8 18·4 — 28·7 24·8	7 32	12 15	16 58		
FRIDAY.					8 0	— 23	16 46		
International Day.					7 57	— 27	16 57		
					7 49	— 35	17 21		
					8 13	— 55	17 37		
39.			53·4 51·5 — 54·4 52·7	11·6 7·4 — 27·7 32·1	7 31	12 15	16 59		
SATURDAY.					7 57	— 23	16 49		
Journal, &c., 7.					7 55	— 27	16 59		
International Day.					7 47	— 35	17 23		
					8 12	— 55	17 38		

ELEVENTH WEEK OF WINTER.				YEAR XXXVI.	WEEK No. 7.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 9th FEBRUARY.	
0	37.4	2.0	1.13	Professor H. J. S. Smith died, 1883	
E.					
1	36.7	2.7	0.53		
2	38.4	2.7	0.35		
3	38.2	2.8	0.36		
4	38.4	2.4	0.43		
5	39.7	2.6	0.47		
W.				MONDAY, 10th FEBRUARY.	
6	38.8	2.2	0.94		
7	39.3	2.4	0.55		
8	41.0	2.6	0.72		
9	40.4	2.4	0.65		
10	41.8	2.6	0.78		
S.				TUESDAY, 11th FEBRUARY.	
11	43.9	3.2	0.64	Temperature —17° Braemar, 1895.	
				WEDNESDAY, 12th FEBRUARY. St. Eulalie.	
				Sir R. Strachey died, 1908.	
				THURSDAY, 13th FEBRUARY.	
				FRIDAY, 14th FEBRUARY. St. Valentine.	
				Great Snowstorm: snow drifts several yards deep, 1698.—(LOWE.)	
				SATURDAY, 15th FEBRUARY.	
				John Hadley died, 1744.	
				Full service of telegraphic reports from Iceland, 1907.	

9TH FEBRUARY TO 15TH FEBRUARY, 1913.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B. Th.	An. R.	40.	°F. VFEAK 57.0 53.4 — 56.4 53.0	°F. VFEAK 11.7 6.5 — 30.7 32.8	G.M.T. h. m. h. m. h. m.				
SUNDAY.					7 29	12 15	17 1		
					7 55	— 23	16 51		
					7 53	— 27	17 1		
					7 45	— 35	17 25		
					8 10	— 55	17 40		
Weekly Schedule, No. 6 posted.									
40-41.	MONDAY.	41.	62.3 52.4 — 57.6 53.5	18.7 8.0 — 29.2 30.0	7 27	12 15	17 3		
					7 53	— 23	16 53		
					7 51	— 27	17 3		
					7 43	— 35	17 27		
					8 8	— 55	17 42		
Send Anemograms, 35-41. Weekly Barogram, No. 6.									
	TUESDAY.	42.	55.5 54.5 — 53.4 53.5	20.7 14.3 — 30.0 29.6	7 25	12 15	17 5		
					7 51	— 23	16 55		
					7 49	— 27	17 5		
					7 42	— 35	17 28		
					8 6	— 55	17 44		
42-43.	WEDNESDAY.	43.	56.3 52.7 — 53.7 53.3	17.2 17.9 — 26.0 27.0	7 23	12 15	17 7		
					7 48	— 23	16 58		
					7 46	— 27	17 8		
					7 40	— 35	17 30		
					8 4	— 55	17 46		
	THURSDAY.	44.	54.8 51.4 — 54.0 53.3	14.9 11.5 — 28.0 26.6	7 21	12 15	17 9		
					7 46	— 23	17 0		
					7 44	— 27	17 10		
					7 38	— 35	17 32		
					8 2	— 55	17 48		
Send B. Th. Curves, 34-41. " An. R. " 34-40. " Journal, &c., 7.									
44-45.	FRIDAY.	45.	54.6 50.7 — 55.2 54.3	20.1 23.1 — 31.4 26.8	7 19	12 15	17 11		
					7 44	— 23	17 2		
					7 42	— 27	17 12		
					7 36	— 35	17 34		
					8 0	— 55	17 50		
	SATURDAY.	46.	53.4 56.4 — 53.9 52.7	26.1 18.0 — 30.3 33.0	7 17	12 15	17 13		
					7 41	— 23	17 5		
					7 39	— 27	17 15		
					7 35	— 35	17 35		
					7 58	— 55	17 52		
Journal, &c., 8.									

TWELFTH WEEK OF WINTER.				YEAR XXXVI.	WEEK No. 8.		
Dist.	Normals, 1881-1905.			Historical Notes.			
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.						
N.	°F.	hrs. per day.	in.	SUNDAY, 16th FEBRUARY. Sir F. Galton born, 1822.			
0	37.9	2.3	0.94				
E.	1	36.9	2.7			0.50	
2	38.5	2.7	0.33				
3	38.4	2.9	0.33				
4	38.5	2.5	0.40	MONDAY, 17th FEBRUARY.			
5	39.8	3.0	0.43				
W.	6	38.9	2.2			0.83	
7	39.4	2.6	0.52				
8	41.0	2.9	0.68				
9	40.5	2.6	0.63	TUESDAY, 18th FEBRUARY. Ice 10 in. thick, Regent's Park, 1895.			
10	42.1	2.9	0.67				
S.	11	44.0	3.6			0.60	
						WEDNESDAY, 19th FEBRUARY. 19th and 20th, Ice 7½ in. thick, Serpentine, 1895. (Q.J.)	
				THURSDAY, 20th FEBRUARY. "Berlin" wrecked, North Sea, 1907.			
				FRIDAY, 21st FEBRUARY.			
				SATURDAY, 22nd FEBRUARY. St. Peter.			

16TH FEBRUARY TO 22ND FEBRUARY, 1913.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B. Th. 46-47.	An. R. 47.		°F. VFEAK 52.1 53.1	°F. VFEAK 23.7 11.0	G.M.T. h. m. h. m. h. m.				
	SUNDAY.		52.8	27.4	7 16 12 15 17 14				
			54.3	31.3	7 39 - 23 17 7				
					7 37 - 27 17 17				
					7 33 - 35 17 37				
					7 57 - 55 17 53				
Weekly Schedule, No. 7 posted.									
	MONDAY.	48.	57.5	19.2	7 14 12 15 17 16				
	Send Anemograms, 42-48.		52.2	17.2	7 37 - 23 17 9				
	Weekly Barogram, No. 7		54.2	23.2	7 35 - 27 17 19				
			53.9	28.7	7 31 - 35 17 39				
					7 55 - 55 17 55				
48-49.	TUESDAY.	49.	55.4	19.2	7 12 12 15 17 18				
			54.5	12.8	7 34 - 23 17 12				
			54.5	33.4	7 33 - 27 17 21				
			54.6	32.4	7 28 - 34 17 40				
					7 53 - 55 17 57				
	WEDNESDAY.	50.	56.3	23.5	7 10 12 15 17 20				
			53.0	12.0	7 31 - 22 17 13				
			53.1	32.0	7 31 - 27 17 23				
			53.0	28.4	7 27 - 34 17 41				
					7 51 - 55 17 59				
50-51.	THURSDAY.	51.	53.3	25.1	7 8 12 15 17 22				
			53.9	15.9	7 29 - 22 17 15				
	Send B. Th. Curves, 42-47.		53.6	29.9	7 29 - 27 17 25				
	" An. R. Curves, 41-47.		53.5	29.8	7 25 - 34 17 43				
	" Journal, &c., 8.				7 49 - 55 18 1				
	FRIDAY.	52.	52.8	23.0	7 6 12 15 17 24				
			55.5	25.1	7 26 - 22 17 18				
			52.8	30.9	7 26 - 27 17 28				
			53.6	27.5	7 23 - 34 17 45				
					7 47 - 55 18 3				
52-53.	SATURDAY.	53.	55.1	23.2	7 4 12 15 17 26				
			60.2	18.4	7 24 - 22 17 20				
	Journal, &c., 9.		54.2	30.9	7 24 - 27 17 30				
			54.2	32.4	7 21 - 34 17 47				
					7.45 - 55 18 5				

THIRTEENTH WEEK OF WINTER.				YEAR XXXVI.	WEEK No. 9.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	ins.		
N.				SUNDAY, 23rd FEBRUARY.	
0	37.9	2.4	0.91	Karl Friederich Gauss died, 1855.	
E.					
1	37.3	2.8	0.51		
2	38.7	2.9	0.35		
3	38.8	3.0	0.35		
4	38.8	2.7	0.42		
5	40.0	3.1	0.46		
W.				MONDAY, 24th FEBRUARY. St. Mathias.	
6	39.1	2.6	0.82		
7	39.5	2.8	0.55		
8	41.0	3.1	0.70		
9	40.5	2.7	0.65		
10	42.2	3.2	0.74		
S.				TUESDAY, 25th FEBRUARY.	
11	43.8	3.8	0.61		
N.	Normals for March.			WEDNESDAY, 26th FEBRUARY.	
0	39.3	3.08	4.42		
E.					
1	39.3	3.42	2.30		
2	40.6	3.99	1.74		
3	41.0	4.00	1.55		
4	41.1	3.57	1.73		
5	42.2	3.96	1.81		
W.				THURSDAY, 27th FEBRUARY.	
6	40.8	3.57	3.52	Destructive Circular Storm, 1903. (Q.J.)	
7	41.3	3.49	2.40		
8	42.7	4.01	2.71		
9	41.9	3.42	2.72		
10	43.5	3.93	2.98		
S.				FRIDAY, 28th FEBRUARY. St. Romanus.	
11	45.2	4.84	2.25	René Antoine Ferchault de Réaumur born, 1683.	
				SATURDAY, 1st MARCH. St. David's.	

23RD FEBRUARY TO 1ST MARCH, 1913.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th.	An. R.	°F.	°F.	G.M.T.	
SUNDAY.	54.	VFEAK 55.7 54.2	VFEAK 27.3 22.2	h. m.	h. m.
		54.5	29.2	7 2	12 15
		56.7	32.0	7 21	17 28
Weekly Schedule, No. 8 posted.				7 21	17 31
				7 19	17 49
				7 43	18 7
54-55.	55.	56.3 55.8	20.8 15.3	6 59	12 14
MONDAY.		56.0	26.0	7 19	17 25
Send Anemograms, 49-55.		56.2	30.0	7 19	17 33
Weekly Barogram, No. 8.				7 17	17 51
				7 41	18 8
	56.	54.9 57.5	22.1 12.5	6 57	12 14
TUESDAY.		55.1	23.9	7 16	17 28
		54.1	30.0	7 16	17 36
				7 15	17 52
				7 39	18 10
56-57.	57.	56.7 58.2	22.8 21.0	6 55	12 14
WEDNESDAY.		55.6	26.9	7 14	17 30
		55.3	30.0	7 14	17 38
				7 13	17 53
				7 37	18 12
	58.	56.0 51.2	23.1 21.0	6 54	12 14
THURSDAY.		54.0	29.6	7 10	17 32
Send B. Th. Curves, 48-55.		54.0	26.8	7 12	17 40
" An. R. " 48-54.				7 11	17 55
" Journal, &c., 9.				7 35	18 13
Report for January issued.					
58-59.	59.	57.1 52.4	21.9 25.0	6 52	12 14
FRIDAY.		53.7	29.2	7 8	17 34
Journal, &c., 10.		55.2	27.3	7 10	17 42
				7 9	17 57
				7 33	18 15
	60.	56.2 63.0	24.9 23.8	6 50	12 14
SATURDAY.		55.9	27.9	7 6	17 36
Equinoctial Cards (Straight)		56.9	31.0	7 7	17 43
to be used in Sun Recorder				7 7	17 59
until 12th April.				7 31	18 17
Journal, &c., 11.					

FIRST WEEK OF SPRING.				YEAR XXXVI.		WEEK No. 10.	
Dist.	Normals, 1881-1905.			Historical Notes.			
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.						
N.	°F.	hrs. per day.	ins.	SUNDAY, 2nd MARCH. St. Chad.			
0	38.1	2.6	1.03				
E.							
1	38.0	3.1	0.54				
2	39.5	3.4	0.42				
3	39.6	3.4	0.34	MONDAY, 3rd MARCH. St. Winnold.			
4	39.7	3.0	0.42				
5	40.8	3.4	0.45				
W.							
6	39.6	3.0	0.83				
7	40.1	3.0	0.56	TUESDAY, 4th MARCH.			
8	41.5	3.4	0.67				
9	40.9	2.9	0.61				
10	42.6	3.5	0.69				
S.							
11	44.2	4.2	0.58	WEDNESDAY, 5th MARCH.			
N.	Normals for Spring.						
0	43.3	4.47	9.88				
E.							
1	44.2	4.88	6.27				
2	45.1	5.23	5.09	THURSDAY, 6th MARCH.			
3	46.3	5.44	4.95				
4	46.3	4.91	5.53				
5	47.6	5.46	5.16				
W.							
6	45.5	5.12	8.97	FRIDAY, 7th MARCH. Sir J. F. W. Herschel born, 1792.			
7	46.2	5.03	6.62				
8	47.4	5.50	7.08				
9	46.3	4.87	7.43				
10	47.7	5.34	7.97				
S.				SATURDAY, 8th MARCH. Thunderstorm and whirlwind at York, 1890. (Q.J.)			
11	49.4	6.54	6.01				

2ND MARCH TO 8TH MARCH, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 60-61.	An. R. 61.	°F. VFEAK	°F. VFEAK	G.M.T.		
SUNDAY.		57.1	23.8	h. m.	h. m.	h. m.
		54.3	19.0	6 47	12 13	17 39
		53.7	27.4	7 3	21	17 38
Weekly Schedule, No. 9 posted.		54.7	31.6	7 4	25	17 46
				7 5	33	18 1
				7 28	53	18 18
MONDAY.		62.2	22.4	6 45	12 13	17 41
Send Anemograms, 56-62.		60.0	19.4	7 1	21	17 41
Weekly Barogram, No. 9.		54.1	25.0	7 2	25	17 48
		55.3	30.2	7 2	32	18 2
				7 26	53	18 20
62-63. TUESDAY.		60.6	18.3	6 43	12 13	17 43
		55.7	16.3	6 58	20	17 43
Send Curves and Tabulations for February.		54.6	23.8	7 0	25	17 50
Climatological Stations. Send schedules for February.		53.9	30.7	7 0	32	18 4
				7 24	53	18 22
64. WEDNESDAY.		57.3	26.7	6 41	12 13	17 45
		52.1	10.5	6 55	20	17 45
		55.4	31.6	6 57	25	17 53
		54.4	30.7	6 58	32	18 6
				7 22	53	18 24
64-65. THURSDAY.		58.8	25.9	6 39	12 13	17 47
		52.8	26.9	6 53	20	17 48
Send B. Th. Curves, 56-61.		53.1	32.6	6 54	24	17 54
" An. R., " 55-61.		54.4	34.9	6 56	32	18 8
" Journal, &c., 10-11.				7 20	53	18 26
International Day.						
66. FRIDAY.		59.7	22.3	6 36	12 12	17 48
		58.2	25.0	6 50	20	17 50
		54.7	31.3	6 52	24	17 56
		55.7	33.0	6 54	32	18 9
				7 17	52	18 28
66-67. SATURDAY.		61.0	24.9	6 34	12 12	17 50
		54.8	22.3	6 47	19	17 52
Journal, &c., 12.		55.4	29.5	6 50	24	17 58
		54.6	30.3	6 52	31	18 10
				7 15	52	18 30

SECOND WEEK OF SPRING.				YEAR XXXVI.	WEEK No. 11
		Normals, 1881-1905.			Historical Notes.
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.		°F.	hrs. per day.	in.	SUNDAY, 9th MARCH.
	0	39·1	2·8	1·06	
E					
	1	39·3	3·4	0·53	
	2	40·7	4·0	0·42	
	3	40·9	3·9	0·33	
	4	41·0	3·5	0·37	
	5	42·0	3·8	0·40	
W.					MONDAY, 10th MARCH. George James Symons died, 1900.
	6	40·7	3·4	0·78	
	7	41·2	3·4	0·51	
	8	42·5	3·9	0·57	
	9	41·8	3·2	0·56	
	10	43·3	3·7	0·63	
S.					TUESDAY, 11th MARCH. Western European Standard time (G.M.T.) adopted in France, 1911.
	11	45·1	4·8	0·47	
					WEDNESDAY, 12th MARCH.
					THURSDAY, 13th MARCH.
					FRIDAY, 14th MARCH. Gust of 103 miles per hour at Pendennis, 1905. (W.W.R.)
					SATURDAY, 15th MARCH.

9TH MARCH TO 15TH MARCH, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	68.	V F E A K	V F E A K	h. m.	h. m.	h. m.
		59.3	22.2	6 32	12 12	17 52
		57.0	22.3	6 44	19 17	17 54
		54.9	29.4	6 47	24 18	18 1
Weekly Schedule, No. 10 posted.		53.6	29.7	6 50	31 18	18 12
				7 13	52 18	18 32
68-69.	69.	58.7	24.3	6 30	12 12	17 54
MONDAY.		54.3	24.1	6 42	19 17	17 57
Send Anemograms, 63-69.		54.0	26.6	6 44	23 18	18 2
Weekly Barogram, No. 10.		54.7	29.0	6 48	31 18	18 14
				7 11	52 18	18 34
	70.	57.3	23.2	6 27	12 11	17 56
TUESDAY.		55.1	24.2	6 40	19 17	17 59
		55.5	28.4	6 42	23 18	18 4
		53.9	28.7	6 46	31 18	18 16
				7 8	51 18	18 35
70-71.	71.	59.4	23.9	6 25	12 11	17 57
WEDNESDAY.		60.1	21.9	6 36	18 18	18 0
		54.0	30.2	6 39	23 18	18 7
		54.3	31.2	6 43	30 18	18 17
				7 5	51 18	18 37
	72.	57.5	24.9	6 22	12 11	17 59
THURSDAY.		56.7	24.0	6 34	18 18	18 3
Send B. Th. Curves, 62-69.		55.7	28.3	6 37	23 18	18 9
" An. R. " 62-68.		54.9	29.0	6 41	30 18	18 19
" Journal, &c., 12.				7 3	51 18	18 39
72-73.	73.	59.1	25.0	6 20	12 11	18 0
FRIDAY.		56.2	25.7	6 31	18 18	18 5
		54.8	25.4	6 34	22 18	18 10
		55.0	30.4	6 39	30 18	18 20
				7 0	51 18	18 41
	74.	65.3	27.0	6 18	12 10	18 3
SATURDAY.		55.7	22.7	6 29	18 18	18 8
Journal, &c., 13.		55.2	32.6	6 32	22 18	18 12
		60.2	33.7	6 37	29 18	18 21
				6 58	50 18	18 43

THIRD WEEK OF SPRING.				YEAR XXXVI.	WEEK No. 12.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature,	Sunshine, and	Rainfall for twelve Districts.		
N.	°F.	hrs. per day.	in.	SUNDAY, 16th MARCH.	
0	40.0	3.3	1.03		
E.					
1	40.2	3.9	0.52		
2	41.3	4.3	0.37		
3	41.8	4.3	0.37		
4	41.8	3.9	0.37		
5	42.9	4.3	0.40		
W.				MONDAY, 17th MARCH. St. Patrick.	
6	41.5	3.9	0.80		
7	41.9	3.9	0.53		
8	43.3	4.4	0.58		
9	42.4	3.7	0.62		
10	43.9	4.2	0.66		
S.				TUESDAY, 18th MARCH.	
11	45.7	5.2	0.47		
				WEDNESDAY, 19th MARCH. St. Joseph.	
				THURSDAY, 20th MARCH.	
				FRIDAY, 21st MARCH. Good Friday. St. Benedict. Luke Howard died, 1864.	
				SATURDAY, 22nd MARCH. Lithographic reproductions of Daily Charts begun, 1872. River Thames, at London, ebbed and flowed three times in four hours. 1682.—(LOWE.)	

16TH MARCH TO 22ND MARCH, 1913.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.					
		Highest.	Lowest.						
B. Th.	An. R.	°F.	°F.	G.M.T.					
74-75.	75.	V F E A K	V F E A K	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
	SUNDAY.	65.0	24.1	6 15	12 10	18 5			
		61.8	20.0	6 26	17	18 9			
		57.1	30.3	6 29	22	18 15			
		62.9	31.2	6 35	29	18 23			
	Weekly Schedule, No. 11 posted.			6 55	50	18 45			
	MONDAY.	76.							
		63.4	22.2	6 13	12 10	18 7			
		59.0	16.9	6 23	17	18 11			
	Send Anemograms, 70-76.			6 26	21	18 16			
	Weekly Barogram, No. 11.	57.0	28.4	6 33	29	18 25			
		57.4	28.8	6 53	50	18 46			
76-77.	TUESDAY.	77.							
		61.7	24.9	6 10	12 9	18 8			
		59.1	12.0	6 21	17	18 14			
		56.8	29.8	6 24	21	18 18			
		54.6	30.9	6 31	29	18 27			
				6 50	49	18 48			
	WEDNESDAY.	78.							
		62.9	23.8	6 8	12 9	18 10			
		55.4	19.6	6 17	16	18 15			
		56.0	28.4	6 22	21	18 20			
		55.5	30.0	6 28	28	18 28			
				6 48	49	18 50			
78-79.	THURSDAY.	79.							
		61.0	27.3	6 6	12 9	18 11			
		54.4	25.7	6 15	16	18 18			
	Send B. Th. Curves, 70-75.			6 19	21	18 23			
	" An. R. " 69-75.	55.6	28.3	6 26	28	18 30			
	" Journal, &c., 13.	59.1	31.1	6 46	49	18 51			
	FRIDAY.	80.							
		61.2	22.5	6 4	12 8	18 12			
		58.5	25.4	6 12	16	18 21			
	Meteorological Office Press closed.	56.3	29.3	6 16	20	18 24			
		55.1	30.3	6 24	28	18 32			
				6 44	48	18 52			
80-81.	SATURDAY.	81.							
		63.9	23.9	6 2	12 8	18 14			
		58.4	22.4	6 9	16	18 23			
	Journal, &c., 14.	58.4	31.0	6 13	20	18 27			
		56.7	27.6	6 21	27	18 33			
				6 42	48	18 54			

FOURTH WEEK OF SPRING.				YEAR XXXVI.	WEEK No. 13.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature,	Sunshine, and	Rainfall for twelve Districts.		
N.	°F.	hrs. per day.	in.	SUNDAY, 23rd MARCH. Easter Day.	
0	40.4	3.9	0.91		
E.					
1	40.7	4.2	0.49		
2	41.8	4.7	0.38		
3	42.8	4.8	0.36		
4	42.7	4.3	0.39		
5	44.0	4.7	0.36		
W.				MONDAY, 24th MARCH. "Eurydice" line-squall, 1878. (Q.J.) Destructive secondary passed across England, 1895. (F.W.) Circular storm, 1902. (L.H.)	
6	42.1	4.5	0.76		
7	42.6	4.1	0.56		
8	44.2	4.8	0.59		
9	43.0	4.2	0.65		
10	44.6	4.8	0.68		
S.				TUESDAY, 25th MARCH. Lady Day.	
11	46.6	5.6	0.47		
				WEDNESDAY, 26th MARCH.	
				THURSDAY, 27th MARCH.	
				FRIDAY, 28th MARCH.	
				SATURDAY, 29th MARCH. Henry Toynbee died, 1909.	

23RD MARCH TO 29TH MARCH, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F), and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	82.	V F E A K	V F E A K	h. m.	h. m.	h. m.
		65.3	23.0	6 0	12 8	18 16
		59.1	20.6	6 6	15 18	18 24
		—	—	6 11	20 18	18 29
		54.8	27.1	6 19	27 18	18 35
		56.8	29.2	6 40	48 18	18 56
Weekly Schedule, No. 12 posted.						
82-83.	83.	67.4	22.6	5 58	12 8	18 18
MONDAY.		63.0	20.0	6 4	15 18	18 27
Meteorological Office Press closed.		—	—	6 8	19 18	18 30
Send Anemograms, 77-83.		55.3	27.6	6 17	27 18	18 37
Weekly Barogram, No. 12.		64.2	26.3	6 38	48 18	18 58
	84.	63.3	24.4	5 55	12 7	18 19
TUESDAY.		62.9	19.7	6 1	15 18	18 29
Daily Report for 24th and 25th issued.		—	—	6 6	19 18	18 32
		54.7	31.8	6 15	26 18	18 37
		63.8	33.1	6 35	47 18	18 59
84-85.	85.	64.4	27.4	5 53	12 7	18 21
WEDNESDAY.		53.3	26.9	5 58	14 18	18 31
Daily Report for 21st, 23rd and 26th issued.		—	—	6 3	19 18	18 35
		57.0	34.0	6 13	26 18	18 39
		60.6	31.3	6 33	47 19	1
	86.	62.0	27.0	5 51	12 7	18 23
THURSDAY.		55.2	23.5	5 55	14 18	18 33
Send B. Th. Curves, 76-83.		—	—	6 0	18 18	18 36
" An. R. " 76-82.		58.7	31.8	6 11	26 18	18 41
" Journal, &c., 14.		60.1	31.9	6 31	47 19	3
Report for February issued.		—	—	—	—	—
86-87.	87.	64.2	27.6	5 48	12 6	18 24
FRIDAY.		54.4	21.6	5 53	14 18	18 35
		—	—	5 58	18 18	18 38
		55.4	33.9	6 9	26 18	18 43
		61.6	30.0	6 28	46 19	4
	88.	64.9	27.7	5 46	12 6	18 26
SATURDAY.		58.1	22.1	5 50	13 18	18 37
Journal, &c., 15.		—	—	5 55	18 18	18 41
		57.0	32.8	6 7	25 18	18 44
		60.0	29.4	6 26	46 19	6

FIFTH WEEK OF SPRING.				YEAR XXXVI.	WEEK No. 14.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	ins.	SUNDAY, 30th MARCH.	
0	41.0	4.3	0.78		
E.					
1	41.4	4.6	0.44		
2	42.5	5.1	0.38		
3	43.8	5.1	0.34		
4	43.8	4.7	0.41		
5	45.2	5.0	0.32		
W.				MONDAY, 31st MARCH.	
6	42.8	5.0	0.67		
7	43.7	4.1	0.52		
8	45.3	5.1	0.54		
9	44.0	4.5	0.58		
10	45.6	5.1	0.62		
S.				TUESDAY, 1st APRIL.	
11	47.6	6.0	0.42	Issue of forecasts resumed, 1879.	
N.	Normals for April.			WEDNESDAY, 2nd APRIL.	
0	42.9	4.62	2.95	J. P. Gassiot born, 1797.	
E.					
1	43.3	4.82	1.89		
2	44.3	5.11	1.58		
3	45.6	5.33	1.55		
4	45.6	4.87	1.77	THURSDAY, 3rd APRIL.	
5	46.8	5.35	1.62	Royal Meteorological Society founded as British Meteorological Society, 1850.	
W.					
6	44.7	5.13	2.76		
7	45.5	4.85	2.09		
8	46.7	5.46	2.35		
9	45.6	4.81	2.39		
10	47.1	5.29	2.64	FRIDAY, 4th APRIL.	
S.				River Thames, in London, so dry that children waded over between the bridges and the town. 1114.—(LOWE.) Heinrich Wilhelm Dove died, 1879.	
11	48.8	6.40	1.96		
				SATURDAY, 5th APRIL.	
				25th March, Old Style; Lady Day and New Year's Day, 1700 to 1750.	

30TH MARCH TO 5TH APRIL, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 88-89.	An. R. 89.	°F. VFEAK	°F. VFEAK	G.M.T.		
SUNDAY.		64.2	26.3	h. m.	h. m.	h. m.
		56.7	26.0	5 44	12 6	18 28
		—	—	5 47	— 13	18 39
		56.9	31.0	5 52	— 17	18 42
		58.1	31.4	6 5	— 25	18 45
				6 24	— 46	19 8
Weekly Schedule, No. 13 posted.						
MONDAY.		63.1	29.9	5 41	12 5	18 29
		61.7	25.1	5 44	— 13	18 41
Journal, &c., 16.		—	—	5 50	— 17	18 44
Send Anemograms, 84-90.		58.2	32.0	6 3	— 25	18 47
Weekly Barogram, No. 13.		58.5	30.5	6 21	— 45	19 9
90-91.						
TUESDAY.		67.2	27.0	5 39	12 5	18 31
		68.2	29.9	5 41	— 12	18 43
		—	—	5 48	— 17	18 46
		56.4	35.2	6 0	— 24	18 48
		57.5	30.9	6 19	— 45	19 11
92.						
WEDNESDAY.		65.4	27.9	5 37	12 5	18 33
		59.2	29.0	5 39	— 12	18 46
		—	—	5 46	— 17	18 48
		56.8	34.9	5 58	— 24	18 50
		63.1	30.9	6 17	— 45	19 13
92-93.						
THURSDAY.		65.1	31.8	5 35	12 5	18 35
		59.1	25.9	5 36	— 12	18 48
Send B. Th. Curves, 84-89.		—	—	5 43	— 16	18 50
" An. R. " 83-89.		58.7	34.7	5 56	— 24	18 52
" Journal, &c., 15.		61.3	31.9	6 15	— 45	19 15
94.						
FRIDAY.		68.5	30.5	5 33	12 4	18 36
Send Curves and Tabulations for March.		57.2	29.1	5 34	— 12	18 50
Climatological stations send schedules for March.		59.3	33.0	5 40	— 16	18 52
International Day.		63.2	34.1	5 53	— 23	18 53
				6 13	— 44	19 16
94-95.						
SATURDAY.		63.7	30.3	5 31	12 4	18 38
		60.6	28.7	5 31	— 11	18 52
Journal, &c., 17.		—	—	5 38	— 16	18 54
		56.2	31.7	5 51	— 23	18 55
		61.2	34.2	6 11	— 44	19 17

SIXTH WEEK OF SPRING.				YEAR XXXVI.	WEEK No. 15.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 6th APRIL.	
0	41.9	4.6	0.70		
E.					
1	42.3	4.7	0.43		
2	43.4	5.0	0.35		
3	44.6	5.1	0.35		
4	44.6	4.7	0.40		
5	46.0	5.1	0.33		
W.				MONDAY, 7th APRIL. James Glaisher born, 1809. Abbott Lawrence Rotch died, 1912.	
6	43.7	5.1	0.62		
7	44.6	4.7	0.47		
8	46.0	5.3	0.50		
9	44.9	4.8	0.53		
10	46.3	5.3	0.57		
S.				TUESDAY, 8th APRIL.	
11	48.2	6.2	0.42		
				WEDNESDAY, 9th APRIL.	
				THURSDAY, 10th APRIL.	
				FRIDAY, 11th APRIL. Alexander Buchan born, 1829.	
				SATURDAY, 12th APRIL.	

6TH APRIL TO 12TH APRIL, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	96.	VFEAK	VFEAK	h. m.	h. m.	h. m.
		65.0	28.3	5 28	12 4	18 40
		59.5	27.3	5 28	- 11	18 54
		—	—	5 35	- 15	18 56
		61.6	32.2	5 50	- 23	18 57
Weekly Schedule, No. 14 posted.		60.8	36.1	6 8	- 44	19 19
96-97.	97.					
	MONDAY.	64.4	28.6	5 26	12 3	18 41
		59.3	32.6	5 26	- 11	18 57
		—	—	5 33	- 15	18 58
Weekly Barogram, No. 14.		59.6	33.3	5 48	- 23	18 58
Send Anemograms, 91-97.		62.4	35.0	6 5	- 43	19 21
	TUESDAY.	70.4	31.5	5 24	12 3	18 42
		61.4	28.4	5 23	- 10	18 59
		—	—	5 30	- 15	19 0
		57.4	31.7	5 45	- 22	18 59
		65.5	35.2	6 2	- 43	19 23
98-99.	99.					
	WEDNESDAY.	63.2	30.8	5 22	12 3	18 44
		60.1	30.6	5 20	- 10	19 1
		—	—	5 27	- 14	19 2
		58.0	29.6	5 43	- 22	19 1
		64.4	35.6	6 0	- 43	19 25
	THURSDAY.	68.6	31.3	5 19	12 2	18 45
		58.4	30.1	5 17	- 10	19 3
Send Curves, 90-97.		—	—	5 25	- 14	19 4
" An. R., 90-96.		57.8	36.0	5 41	- 22	19 3
" Journals, Tabulation, &c., 16, 17.		67.0	35.7	5 58	- 42	19 26
100-101.	101.					
	FRIDAY.	70.0	28.3	5 17	12 2	18 47
		57.0	31.6	5 15	- 10	19 5
		—	—	5 23	- 14	19 6
		58.4	33.3	5 38	- 21	19 4
		64.4	33.3	5 56	- 42	19 28
	SATURDAY.	66.0	28.9	5 15	12 2	18 49
		59.3	29.3	5 12	- 9	19 7
Journal, &c., 18.		—	—	5 21	- 14	19 8
		57.2	32.7	5 36	- 21	19 6
		58.9	34.2	5 54	- 42	19 30

SEVENTH WEEK OF SPRING.				YEAR XXXVI.	WEEK No. 16.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature,	Sunshine, and	Rainfall for twelve Districts.		
N.	°F.	hrs. per day.	in.	SUNDAY, 13th APRIL.	
0	43.3	4.7	0.63		
E.					
1	43.7	4.8	0.43		
2	44.5	4.9	0.36		
3	45.8	5.2	0.36		
4	45.8	4.8	0.40		
5	47.0	5.3	0.40	MONDAY, 14th APRIL.	
W.					
6	45.1	5.1	0.61		
7	45.8	5.1	0.45		
8	46.9	5.5	0.54		
9	45.9	4.8	0.53		
10	47.3	5.2	0.60		
S.				TUESDAY, 15th APRIL.	
11	48.9	6.4	0.47	S.S. "Titanic" sunk by iceberg in Atlantic, 41° 16' N., 50° 14' W., 1912.	
				WEDNESDAY, 16th APRIL.	
				THURSDAY, 17th APRIL.	
				Benjamin Franklin died, 1796.	
				FRIDAY, 18th APRIL.	
				SATURDAY, 19th APRIL.	
				Warren de la Rue died, 1889.	

13TH APRIL TO 19TH APRIL, 1913.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B.Th. 102-103.	SUNDAY.	An. R. 103.	°F. VFEAK 66.8	°F. VFEAK 31.9	G.M.T.				
Summer cards to be used in Sun Recorder to-day and until 31st August.			54.0	26.6	h. m.	h. m.	h. m.	h. m.	h. m.
			56.1	32.7	5 13	12 2	18 51	5 9	9 19 9
Weekly Schedule, No. 15 posted.			59.6	32.1	5 18	13	19 9	5 34	21 19 8
					5 52	42	19 32		
MONDAY.			66.4	30.0	5 10	12 1	18 52	5 7	9 19 12
Weekly Barogram, &c., No. 15.			60.2	28.2	5 15	13	19 11	5 32	21 19 10
Send Anemograms, 98-104.			56.9	33.4	5 49	41	19 34		
			59.9	31.7					
104-105.	TUESDAY.	105.	71.3	27.9	5 8	12 1	18 54	5 4	9 19 14
			60.1	25.7	5 13	13	19 13	5 30	20 19 11
			58.8	32.0	5 47	41	19 35		
			59.7	31.7					
WEDNESDAY.			72.8	33.2	5 6	12 1	18 56	5 1	8 19 16
			61.6	22.7	5 10	13	19 15	5 28	20 19 12
			57.8	31.6	5 45	41	19 37		
			61.2	32.3					
106-107.	THURSDAY.	107.	65.3	27.4	5 4	12 1	18 58	4 58	8 19 18
Send Curves, 98-103.			62.6	28.9	5 7	12	19 17	5 26	20 19 14
An. and R., 97-103.			60.4	32.0	5 43	41	19 39		
Journals, Tabulations, &c., No. 18.			61.3	33.7					
FRIDAY.			68.3	30.1	5 2	12 0	18 59	4 56	8 19 20
			60.1	29.3	5 5	12	19 19	5 24	20 19 16
			59.5	34.2	5 41	40	19 40		
			63.0	32.6					
108-109.	SATURDAY.	109.	73.7	30.5	5 0	12 0	19 0	4 54	8 19 23
Journals, &c., 19.			66.0	30.3	5 3	12	19 22	5 22	19 19 17
			62.8	33.2	5 39	40	19 41		
			65.8	33.7					

EIGHTH WEEK OF SPRING.				YEAR XXXVI.	WEEK No. 17.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 20th APRIL.	
0	44.7	4.7	0.65		
E.					
1	45.1	5.0	0.46		
2	45.9	5.2	0.37		
3	47.2	5.6	0.39		
4	47.3	5.1	0.44		
5	48.4	5.7	0.46	MONDAY, 21st APRIL.	
W.					
6	46.6	5.2	0.67		
7	47.1	5.2	0.50		
8	48.1	5.7	0.62		
9	47.0	4.9	0.58		
10	48.4	5.4	0.67		
S.				TUESDAY, 22nd APRIL.	
11	49.9	6.7	0.52	William Clement Ley died, 1896.	
				WEDNESDAY, 23rd APRIL. St. George.	
				THURSDAY, 24th APRIL.	
				FRIDAY, 25th APRIL. St. Mark	
				Anders Celsius (inventor of the Centigrade Thermometer) died, 1744.	
				William Reid born, 1791.	
				Great Snowfalls (25th-26th), Midlands and South, 1908. (M.W.R.)	
				SATURDAY, 26th APRIL.	

20TH APRIL TO 26TH APRIL, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
		VFEAK	VFEAK	h. m.	h. m.	h. m.
	110.	80.3	29.6	4 58	12 0	19 2
		69.7	30.9	4 51	7 19	25
		—	—	5 1	12 19	24
		66.6	36.8	5 20	19 19	19
		66.1	35.3	5 37	40 19	42
Weekly Schedule, No. 16 posted.						
110-111.	111.	75.0	29.9	4 56	12 0	19 4
	MONDAY.	62.0	30.4	4 48	7 19	27
		—	—	4 59	12 19	26
	Weekly Barogram, &c., No. 16.	62.6	34.4	5 18	19 19	20
	Send Anemograms, 105-111.	66.8	35.8	5 35	40 19	44
	112.	71.9	31.8	4 53	12 0	19 6
	TUESDAY.	60.0	29.6	4 46	7 19	29
		—	—	4 56	11 19	28
		62.1	37.7	5 16	19 19	22
		66.1	34.9	5 33	40 19	46
112-113.	113.	76.3	28.1	4 51	11 59	19 7
	WEDNESDAY.	61.0	31.1	4 43	12 7	19 31
		—	—	4 53	11 19	30
		61.1	37.3	5 14	19 19	24
		62.2	38.0	5 31	39 19	48
	114.	75.4	29.6	4 49	11 59	19 8
	THURSDAY.	59.0	32.0	4 41	12 7	19 33
		—	—	4 51	11 19	32
	Send Curves, 104-111; An. and R., 104-110; Journals, Tabulations, &c., No. 19.	65.7	35.1	5 12	18 19	25
		62.5	35.5	5 29	39 19	50
114-115.	115.	73.9	30.2	4 47	11 59	19 10
	FRIDAY.	60.4	32.3	4 38	12 6	19 35
		—	—	4 49	11 19	34
		68.0	37.6	5 10	18 19	26
		67.0	34.9	5 27	39 19	52
	116.	71.0	30.0	4 45	11 59	19 12
	SATURDAY.	58.3	33.6	4 35	12 6	19 37
		—	—	4 46	11 19	36
	Report for March issued. Journals, &c., 20.	67.0	35.0	5 8	18 19	28
		66.4	35.6	5 25	39 19	54

NINTH WEEK OF SPRING.				YEAR XXXVI.	WEEK No. 18.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 27th APRIL.	
0	45.7	4.9	0.68		
E.					
1	46.1	5.3	0.47		
2	46.8	5.8	0.41		
3	48.4	6.2	0.39	MONDAY, 28th APRIL.	
4	48.3	5.6	0.42		
5	49.6	6.2	0.39		
W.					
6	47.4	5.6	0.67		
7	48.0	5.7	0.51	TUESDAY, 29th APRIL.	
8	49.0	6.3	0.54		
9	47.9	5.3	0.59		
10	49.4	5.8	0.62		
S.					
11	50.7	7.6	0.45	WEDNESDAY, 30th APRIL. Admiral Robert FitzRoy died, 1865. Karl Friedrich Gauss born, 1777.	
N.	Normals for May.				
0	47.8	5.44	2.74		
E.					
1	48.4	5.96	2.16		
2	49.3	6.28	1.80	THURSDAY, 1st MAY. St. Philip and St. James.	
3	51.2	6.65	1.87		
4	51.1	5.99	2.07		
5	52.4	6.74	1.80		
W.					
6	49.9	6.33	2.87	FRIDAY, 2nd MAY.	
7	50.7	6.43	2.23		
8	51.7	6.72	2.18		
9	50.3	6.07	2.44		
10	51.8	6.51	2.50		
S.				SATURDAY, 3rd MAY. A great deep snow all over England, 1698.— (LOWE.)	
11	53.1	8.02	1.92		

27TH APRIL TO 3RD MAY, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 116-117.	An. R. 117.	°F. VFEAK 74.0 60.0 63.0	°F. VFEAK 31.3 32.0 36.8	G.M.T. h. m. h. m. h. m.		
SUNDAY.		65.2	36.3	4 43	11 59	19 14
Weekly Schedule, No. 17 posted.				4 33	12 6	19 40
				4 43	- 10	19 37
				5 7	- 18	19 30
				5 22	- 39	19 56
118.		66.9	34.3	4 41	11 58	19 15
MONDAY.		58.6	30.6	4 31	12 6	19 42
Weekly Barograms, &c., No. 17.				4 41	- 10	19 39
Send Anemograms, 112-118.		60.6	35.2	5 5	- 18	19 31
		66.6	36.3	5 20	- 38	19 57
118-119.		63.8	30.5	4 39	11 58	19 17
TUESDAY.		63.0	32.4	4 29	12 6	19 44
				4 39	- 10	19 41
		59.0	37.0	5 3	- 17	19 32
		62.0	37.6	5 18	- 38	19 58
120.		68.6	31.9	4 37	11 58	19 19
WEDNESDAY.		58.1	33.5	4 26	12 6	19 46
Journals, &c., 21.				4 37	- 10	19 43
		59.9	36.8	5 1	- 17	19 34
		62.0	33.7	5 16	- 38	20 0
120-121.		67.8	30.9	4 35	11 58	19 21
THURSDAY.		59.4	32.1	4 23	12 5	19 48
Send Curves, 112-117; An. and R., 111-117; Journals, Tabu- lations, &c., No. 20.		59.3	36.9	4 35	- 10	19 45
		62.3	38.6	4 59	- 17	19 36
				5 13	- 38	20 2
122.		68.6	32.2	4 33	11 58	19 23
FRIDAY.		63.0	31.2	4 21	12 5	19 50
				4 33	- 10	19 47
		60.2	37.0	4 57	- 17	19 37
		60.0	36.0	5 11	- 38	20 4
122-123.		69.3	32.0	4 31	11 58	19 25
SATURDAY.		59.2	29.5	4 19	12 5	19 52
Climatological Stations, send Schedules for April.		63.0	39.0	4 31	- 10	19 49
Journals, &c., 22.		61.8	36.4	4 56	- 17	19 39
				5 10	- 38	20 6

TENTH WEEK OF SPRING.			YEAR XXXVI.	WEEK No. 19.
Dist.	Normals, 1881-1905.		Week of International Balloon Ascents. Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.			
	°F.	hrs. per day.	in.	
N.				
0	46.6	5.4	0.66	SUNDAY, 4th MAY. Thunderstorm at Hitchin, with hailstones 13 or 14 ins. about. 100,000 cartloads of hailstones. 1697.—(LOWE.)
E.				
1	47.0	5.8	0.47	
2	47.7	6.3	0.42	
3	49.5	6.5	0.39	
4	49.4	6.0	0.41	
5	50.8	6.7	0.34	MONDAY, 5th MAY.
W.				
6	48.5	6.1	0.65	
7	49.1	6.3	0.49	
8	50.2	6.7	0.46	
9	49.0	5.9	0.55	
10	50.5	6.4	0.53	
S.				
11	51.8	8.2	0.35	TUESDAY, 6th MAY. Alexander von Humboldt died, 1859.
				WEDNESDAY, 7th MAY.
				THURSDAY, 8th MAY. Mont Pelée eruption, 1902.
				FRIDAY, 9th MAY.
				SATURDAY, 10th MAY.

4TH MAY TO 10TH MAY, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	124.	V F E A K	V F E A K	h. m.	h. m.	h. m.
		73.0	30.9	4 30	11 58	19 26
		64.2	31.3	4 16	12 5	19 54
		—	—	4 29	— 10	19 51
		59.9	39.0	4 54	— 17	19 40
		61.8	37.4	5 8	— 38	20 8
Weekly Schedule, No. 18 posted.						
124-125.	125.	73.4	30.0	4 28	11 58	19 28
MONDAY.		63.4	30.1	4 14	12 5	19 56
Weekly Barograms, &c., No. 18.		—	—	4 27	— 9	19 53
Send Anemograms, 119-125.		61.7	36.4	4 52	— 17	19 42
		67.4	37.2	5 6	— 38	20 9
International Day.						
	126.	71.9	32.3	4 26	11 58	19 29
TUESDAY.		62.4	31.6	4 12	12 5	19 58
		—	—	4 24	— 9	19 55
		64.5	37.0	4 50	— 17	19 43
		65.8	37.2	5 5	— 38	20 10
International Day.						
126-127.	127.	71.9	31.2	4 24	11 57	19 30
WEDNESDAY.		67.4	31.7	4 10	12 5	20 1
		—	—	4 22	— 9	19 57
		61.4	39.4	4 49	— 17	19 45
		67.7	36.7	5 3	— 37	20 11
International Day.						
	128.	71.9	33.4	4 23	11 57	19 31
THURSDAY.		64.7	34.2	4 8	12 5	20 3
Send Curves, 118-125; An.		—	—	4 20	— 9	19 58
and R., 118-124; Journals,		61.5	36.3	4 48	— 17	19 47
Tabulations, &c., Nos. 21		71.7	36.8	5 1	— 37	20 12
and 22.						
International Day.						
128-129.	129.	72.2	34.5	4 21	11 57	19 33
FRIDAY.		58.4	32.7	4 6	12 5	20 5
		—	—	4 18	— 9	20 0
		66.1	40.0	4 46	— 17	19 48
		68.7	37.2	5 0	— 37	20 14
International Day.						
	130.	71.7	31.2	4 20	11 57	19 34
SATURDAY.		62.0	32.3	4 3	12 5	20 7
		—	—	4 16	— 9	20 2
International Day.		68.1	39.8	4 45	— 17	19 50
Journals, &c., 23.		66.9	37.9	4 58	— 37	20 16

ELEVENTH WEEK OF SPRING.				YEAR XXXVI.	WEEK No. 20.	
	Normals, 1881-1905.			Historical Notes.		
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.					
N.	0	47.7	5.6	0.62	SUNDAY, 11th MAY. Whitsunday. St. Mamertius. Sir J. F. W. Herschel died, 1871.	
E.	1	48.1	6.1	0.50	MONDAY, 12th MAY. St. Pancras. Approximate average date of commencement of cold spell at Kew (M.O. 154).	
	2	48.9	6.4	0.38		
	3	50.9	6.6	0.43		
	4	50.8	6.0	0.48		
	5	52.3	6.8	0.41		
W.	6	49.9	6.5	0.66	TUESDAY, 13th MAY. St. Gervais. Alexander Buchan died, 1907. Thomas Robinson died, 1873.	
	7	50.5	6.6	0.50		
	8	51.7	6.8	0.49		
	9	50.2	6.3	0.54		
	10	51.7	6.7	0.54		
S.	11	53.0	8.1	0.40	WEDNESDAY, 14th MAY. Gabriel Daniel Fahrenheit born, 1686. James Horsburgh died, 1836.	
					THURSDAY, 15th MAY. Approximate average date of commencement of cold spell at Aberdeen and Falmouth (M.O. 154).	
					FRIDAY, 16th MAY.	
					SATURDAY, 17th MAY. Valparaiso earthquake, 1906.	

11TH MAY TO 17TH MAY, 1913.

Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B. Th. 130-131.	An. R. 131.		°F. VFEAK	°F. VFEAK	G.M.T.				
SUNDAY.			75.6 67.4	32.5 34.0	h. m.	h. m.	h. m.	h. m.	
			68.1	40.2	4 18	11 57	19 36		
			67.4	34.0	4 1	12 5	20 9		
			68.1	40.2	4 14	- 9	20 4		
			68.1	38.8	4 43	- 17	19 51		
Weekly Schedule, No. 19 posted.			68.1	38.8	4 56	- 37	20 18		
MONDAY.		132.	75.9 70.6	34.0 33.6	4 16	11 57	19 38		
			70.6	33.6	3 59	12 5	20 11		
M.O. Press closed.			67.7	36.6	4 12	- 9	20 6		
Weekly Barograms, &c., No. 19.			66.8	38.6	4 41	- 17	19 53		
Send Anemograms, 126-132.			66.8	38.6	4 54	- 37	20 20		
132-133.		133.	75.9 63.1	33.7 32.4	4 14	11 57	19 40		
			63.1	32.4	3 57	12 5	20 13		
			69.8	36.6	4 10	- 9	20 8		
Daily Report for 11th, 12th and 13th issued.			68.0	37.8	4 39	- 16	19 54		
			68.0	37.8	4 52	- 37	20 22		
WEDNESDAY.		134.	74.9 70.1	35.3 34.7	4 13	11 57	19 42		
			70.1	34.7	3 55	12 5	20 15		
			67.9	38.3	4 9	- 9	20 10		
			69.3	36.5	4 38	- 16	19 55		
			69.3	36.5	4 50	- 37	20 24		
134-135.		135.	78.1 63.1	36.4 33.5	4 11	11 57	19 43		
			63.1	33.5	3 53	12 5	20 17		
			69.0	37.9	4 7	- 9	20 12		
Send Curves, 126-131; An. and R., 125-131; Journals, Tabulations, &c., No. 23.			71.9	39.6	4 36	- 16	19 56		
			71.9	39.6	4 48	- 37	20 26		
FRIDAY.		136.	71.5 62.8	35.6 31.3	4 10	11 57	19 44		
			62.8	31.3	3 51	12 5	20 19		
			66.1	37.7	4 5	- 9	20 13		
			66.6	41.6	4 35	- 16	19 58		
			66.6	41.6	4 46	- 37	20 27		
136-137.		137.	71.8 69.4	32.2 30.4	4 8	11 57	19 46		
			69.4	30.4	3 49	12 5	20 21		
			66.0	36.8	4 3	- 9	20 15		
Journals &c., 24.			68.0	39.3	4 34	- 16	19 59		
			68.0	39.3	4 45	- 37	20 28		

TWELFTH WEEK OF SPRING.				YEAR XXXVI.	WEEK No. 21.	
Dist.	Normals, 1881-1905.			Historical Notes.		
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.					
N.	°F.	hrs. per day.	in.	SUNDAY, 18th MAY. San Francisco earthquake, 1906.		
0	48·7	5·6	0·57			
E.						
1	49·6	6·2	0·51			
2	50·7	6·4	0·40			
3	52·7	6·9	0·44			
	4	52·6	6·1	0·52	MONDAY, 19th MAY. St. Dunstan.	
	5	54·0	6·9	0·44		
W.						
6	51·2	6·6	0·64			
7	52·1	6·7	0·52			
8	53·1	6·8	0·50			
	9	51·6	6·4	0·54	TUESDAY, 20th MAY.	
	10	53·0	6·8	0·57		
S.						
11	54·3	8·0	0·49			
				WEDNESDAY, 21st MAY.		
				THURSDAY, 22nd MAY.		
				FRIDAY, 23rd MAY.		
				SATURDAY, 24th MAY. William Gilbert of Colchester born, 1545. G. Neumayer died, 1909.		

18TH MAY TO 24TH MAY, 1913.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F), and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th.	An. R. 138.	°F. VFEAK	°F. VFEAK	G.M.T.	
	SUNDAY.	73.7	35.2	h. m.	h. m.
		57.9	34.1	4 7	11 57
		—	—	3 47	12 5
		69.9	37.7	4 2	9 20
		71.3	38.6	4 33	17 20
	Weekly Schedule, No. 20 posted.			4 45	37 20
138-139.	139.	73.8	34.3	4 6	11 57
	MONDAY.	65.2	32.6	3 45	12 5
		—	—	4 0	9 20
	Weekly Barograms, &c., No. 20.	63.0	37.5	4 32	17 20
	Send Anemograms, 133-139.	70.3	38.5	4 44	37 20
	140.	69.3	32.5	4 5	11 57
	TUESDAY.	63.1	33.1	3 44	12 5
		—	—	3 58	9 20
		63.1	38.5	4 31	17 20
		65.8	37.7	4 43	37 20
140-141.	141.	73.5	33.8	4 3	11 57
	WEDNESDAY.	62.2	33.0	3 42	12 5
		—	—	3 56	9 20
		64.7	37.2	4 29	17 20
		66.8	34.9	4 41	37 20
	142.	76.2	34.2	4 2	11 57
	THURSDAY.	69.7	32.9	3 40	12 5
		—	—	3 55	9 20
	Send Curves, 132-139; An. and R., 132-138; Journals, Tabulations, &c., No. 24.	63.6	38.4	4 28	17 20
		68.8	38.6	4 40	37 20
142-143.	143.	77.2	38.3	4 1	11 57
	FRIDAY.	67.2	34.3	3 38	12 5
		—	—	3 53	9 20
		66.5	40.1	4 27	17 20
		73.0	41.7	4 39	37 20
	144.	77.9	41.0	4 0	11 58
	SATURDAY.	70.0	35.6	3 36	12 5
		—	—	3 52	9 20
	Journals, &c., 25.	64.2	42.2	4 25	17 20
		73.0	40.6	4 38	38 20

THIRTEENTH WEEK OF SPRING.				YEAR XXXVI.	WEEK No. 22.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 25th MAY. St. Urban.	
0	50·2	5·6	0·56		
E.					
1	51·2	6·2	0·48		
2	52·4	6·3	0·43		
3	54·5	7·0	0·46		
4	54·4	6·2	0·50		
5	55·6	7·0	0·46	MONDAY, 26th MAY. Sir Edward Sabine died, 1883.	
W.					
6	52·7	6·6	0·61		
7	53·7	6·8	0·50		
8	54·7	6·9	0·48		
9	53·0	6·3	0·55		
10	54·4	6·7	0·59		
S.				TUESDAY, 27th MAY.	
11	55·6	8·1	0·50		
				WEDNESDAY, 28th MAY.	
				THURSDAY, 29th MAY.	
				FRIDAY, 30th MAY.	
				SATURDAY, 31st MAY. First meeting of the Meteorological Committee, 1905. Thunderstorm at Epsom, 2·44 in. rain in 50 m., 1911. (W.W.R.)	

25TH MAY TO 31ST MAY, 1913.							
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).							
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.			
		Highest.	Lowest.				
B. Th.	An. R.	°F.	°F.	G.M.T.			
144-145.	145.	VFEAK	VFEAK	h. m.	h. m.	h. m.	
SUNDAY.		75·2	38·9	3 59	11 58	19 57	
		62·6	34·7	3 35	12 5	20 36	
		—	—	3 51	- 10	20 29	
		67·1	44·1	4 24	- 17	20 10	
Weekly Schedule, No. 21 posted.		70·9	42·1	4 37	- 38	20 39	
146.							
MONDAY.		81·0	37·1	6 57	11 58	19 59	
		65·0	35·0	3 33	12 5	20 37	
		—	—	3 50	- 10	20 31	
		65·1	41·8	4 23	- 17	20 11	
Weekly Barograms, &c., No. 20. Send Anemograms, 140-146.		68·1	40·8	4 36	- 38	20 40	
147.							
TUESDAY.		71·8	36·3	3 56	11 58	20 0	
		66·1	33·4	3 31	12 5	20 39	
		—	—	3 48	- 10	20 32	
		65·3	39·9	4 22	- 17	20 13	
Report for April issued.		71·5	39·6	4 35	- 38	20 41	
148.							
WEDNESDAY.		77·9	37·7	3 55	11 58	20 1	
		70·9	31·6	3 30	12 5	20 41	
		—	—	3 47	- 10	20 34	
		67·2	40·5	4 21	- 17	20 14	
		68·5	41·2	4 34	- 38	20 42	
149.							
THURSDAY.		76·7	38·2	3 54	11 58	20 2	
		68·6	32·4	3 29	12 6	20 43	
		—	—	3 46	- 10	20 35	
		68·5	43·1	4 20	- 17	20 15	
Send Curves, 140-145; An. and R., 139-145; Journals, Tabulations, &c., No. 25.		72·9	41·7	4 33	- 38	20 43	
150.							
FRIDAY.		83·7	38·0	3 53	11 58	20 3	
		68·2	37·3	3 28	12 6	20 44	
		—	—	3 44	- 10	20 36	
		70·2	43·0	4 19	- 17	20 16	
		72·8	41·6	4 32	- 38	20 44	
151.							
SATURDAY.		80·7	39·3	3 52	11 58	20 4	
		68·6	33·1	3 27	12 6	20 46	
		—	—	3 43	- 10	20 37	
		66·0	44·3	4 19	- 18	20 18	
Journals, &c., 26.		70·0	40·3	4 30	- 38	20 45	

FIRST WEEK OF SUMMER.				YEAR XXXVI.	WEEK No. 23.		
Dist.	Normals, 1881-1905.			Historical Notes.			
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.						
N.	°F.	hrs. per day.	in.	SUNDAY, 1st JUNE. Thunder squall at Bushy, 1908. Rain estimated at .275 in. in two minutes.			
E.	0	51.3	5.7			0.56	
1	52.5	6.1	0.45				
2	53.5	6.2	0.44				
3	55.4	6.8	0.53				
	4	55.5	6.2	0.48	MONDAY, 2nd JUNE.		
	5	56.5	6.9	0.50			
W.	6	54.1	6.7	0.58			
	7	54.8	6.9	0.44			
	8	55.8	7.0	0.50			
	9	54.1	6.0	0.56	TUESDAY, 3rd JUNE.		
	10	55.5	6.5	0.55			
S.	11	56.6	8.0	0.44			
N.	Normals for June.			WEDNESDAY, 4th JUNE			
E.	0	52.6	5.19				2.76
1	54.0	6.03	2.18				
2	55.2	6.28	1.83				
3	57.0	6.87	1.99				
	4	56.9	6.22	2.04	THURSDAY, 5th JUNE.		
	5	57.9	7.02	1.87			
W.	6	55.3	6.38	2.83			
	7	56.2	6.58	2.22			
	8	57.0	6.90	2.23			
	9	55.4	5.65	2.62	FRIDAY, 6th JUNE.		
	10	56.8	6.18	2.51			
S.	11	57.9	8.14	1.80			
				SATURDAY, 7th JUNE.			

1ST JUNE TO 7TH JUNE, 1913.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.					
		Highest.	Lowest.						
B. Th.	An. R.	°F.	°F.	G.M.T.					
SUNDAY.	152.	V F E A K	V F E A K	h. m.	h. m.	h. m.			
		78.1	38.0	3 52	11 59	20 6			
		72.2	37.4	3 25	12 6	20 47			
		—	—	3 42	— 10	20 39			
		74.3	43.1	4 18	— 18	20 19			
		71.7	41.0	4 29	— 39	20 47			
Weekly Schedule, No. 22 posted.									
152-153.	153.								
MONDAY.		82.0	40.9	3 51	11 59	20 7			
		74.2	35.9	3 24	12 6	20 48			
		—	—	3 41	— 10	20 40			
Weekly Barograms, &c., No. 22.		73.2	45.4	4 17	— 18	20 19			
Send Anemograms, 147-153.		74.3	41.9	4 28	— 39	20 49			
	154.								
TUESDAY.		80.8	39.8	3 50	11 59	20 8			
		66.4	36.0	3 23	12 6	20 49			
		—	—	3 41	— 11	20 42			
		69.1	45.0	4 16	— 18	20 20			
		70.9	44.8	4 27	— 39	20 51			
154-155.	155.								
WEDNESDAY.		79.9	39.2	3 49	11 59	20 9			
		70.9	37.9	3 22	12 6	20 51			
		—	—	3 40	— 11	20 43			
Climatological Stations send Schedules for May.		69.4	45.6	4 16	— 18	20 21			
		71.6	44.6	4 26	— 39	20 52			
	156.								
THURSDAY.		80.6	37.4	3 48	11 59	20 10			
		70.4	36.0	3 21	12 7	20 53			
		—	—	3 39	— 11	20 44			
Send Curves. 146-153; An. and R., 146-152; Journals, Tabulations, &c., No. 26.		69.3	43.4	4 15	— 18	20 22			
		69.9	44.9	4 25	— 39	20 53			
156-157.	157.								
FRIDAY.		79.2	41.4	3 48	11 59	20 11			
		67.7	32.2	3 20	12 7	20 54			
		—	—	3 38	— 11	20 45			
		75.6	45.0	4 15	— 19	20 23			
		72.3	44.5	4 25	— 39	20 54			
	158.								
SATURDAY.		75.5	42.6	3 48	11 59	20 12			
		72.2	36.8	3 19	12 7	20 55			
		—	—	3 37	— 11	20 46			
Journals, &c., 27		73.6	45.0	4 14	— 19	20 24			
		76.9	43.9	4 24	— 39	20 55			

SECOND WEEK OF SUMMER.				YEAR XXXVI.	WEEK No. 24.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 8th JUNE. St. Medard.	
0	52.2	5.4	0.62		
E.					
1	53.5	5.9	0.50		
2	54.4	6.2	0.41		
3	56.1	6.5	0.53		
4	56.2	6.0	0.46		
5	57.2	6.7	0.47	MONDAY, 9th JUNE.	
W.					
6	55.0	6.5	0.64		
7	55.7	6.7	0.47		
8	56.5	6.9	0.54		
9	54.9	5.8	0.60		
10	56.3	6.5	0.56		
S.				TUESDAY, 10th JUNE.	
11	57.4	8.0	0.41		
N.	Normals for Summer.			WEDNESDAY, 11th JUNE. St. Barnabas.	
0	53.7	4.28	10.57		
E.					
1	55.7	5.32	8.31		
2	57.4	5.85	6.98		
3	59.2	6.51	6.59		
4	58.7	5.85	7.05		
5	60.2	6.73	6.50	THURSDAY, 12th JUNE.	
W.					
6	56.3	5.59	11.03		
7	57.8	5.78	8.92		
8	58.8	6.38	8.57		
9	56.6	4.73	9.90		
10	58.1	5.34	9.66		
S.				FRIDAY, 13th JUNE. Beginning of 3 days continuous rainfall in London, 1903.	
11	60.4	7.83	6.76		
				SATURDAY, 14th JUNE.	

8TH JUNE TO 14TH JUNE, 1913.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B. Th. 158-159.	AN. R. 159.		°F. VFEAK	°F. VFEAK	G.M.T.				
	SUNDAY.		76.8	42.0	h. m.	h. m.	h. m.	h. m.	h. m.
			71.7	35.4	3 47	12 0	20 13		
					3 18	- 7	20 56		
					3 37	- 12	20 47		
			72.5	43.7	4 13	- 19	20 25		
			77.4	44.9	4 24	- 40	20 56		
Weekly Schedule, No. 23 posted.									
	MONDAY.	160.	79.1	38.5	3 47	12 0	20 13		
			67.0	35.0	3 17	- 7	20 57		
	Weekly Barograms, &c., No. 23.				3 36	- 12	20 48		
	Send Anemograms, 154-160.		69.4	43.0	4 13	- 19	20 26		
			73.9	42.3	4 24	- 40	20 57		
160-161.	TUESDAY.	161.	80.7	41.6	3 46	12 0	20 14		
			67.2	32.0	3 17	- 8	20 59		
					3 35	- 12	20 49		
			67.3	46.4	4 13	- 19	20 27		
			73.3	42.5	4 23	- 40	20 57		
	WEDNESDAY.	162.	86.5	40.2	3 46	12 0	20 15		
			70.1	41.3	3 16	- 8	21 0		
					3 35	- 12	20 50		
			70.2	46.1	4 12	- 20	20 28		
			76.2	44.6	4 23	- 40	20 58		
162-163.	THURSDAY.	163.	81.7	42.5	3 46	12 0	20 15		
			74.2	38.5	3 16	- 8	21 0		
	Send Curves, 154-159; An. and R., 153-159; Journals, Tabulations, &c., No. 27.		69.2	47.0	3 34	- 12	20 51		
	International Day.		70.0	45.3	4 12	- 20	20 28		
					4 23	- 40	20 58		
	FRIDAY.	164.	81.1	39.4	3 46	12 1	20 16		
			70.6	38.5	3 15	- 8	21 1		
					3 34	- 13	20 52		
			71.1	44.8	4 12	- 20	20 29		
			70.2	43.7	4 23	- 41	20 59		
164-165.	SATURDAY.	165.	79.7	41.9	3 45	12 1	20 17		
			68.0	37.0	3 15	- 8	21 2		
	Journals, &c., 28.				3 33	- 13	20 53		
			75.4	44.3	4 11	- 20	20 29		
			71.6	44.1	4 22	- 41	20 59		

THIRD WEEK OF SUMMER.			YEAR XXXVI.	WEEK No. 25.
Dist.	Normals, 1881-1905.		Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.			
	°F.	hrs. per day.	in.	
N.				SUNDAY, 15th JUNE. Department of Board of Trade initiated by Mr. Cardwell for Marine Meteorology, 1854.
0	53.4	4.9	0.69	
E.				
1	54.8	6.0	0.54	
2	56.0	6.2	0.42	
3	57.8	6.8	0.43	
4	57.6	6.1	0.48	
5	58.5	7.0	0.40	MONDAY, 16th JUNE.
W.				
6	56.0	6.2	0.72	
7	57.0	6.3	0.58	
8	57.6	6.8	0.54	
9	56.0	5.5	0.66	
10	57.4	5.9	0.63	
S.				TUESDAY, 17th JUNE. Third Earl of Rosse born, 1800.
11	58.5	8.1	0.41	
				WEDNESDAY, 18th JUNE.
				THURSDAY, 19th JUNE. St. Protas.
				FRIDAY, 20th JUNE.
				SATURDAY, 21st JUNE. Georg von Neumayer born, 1821.

15th JUNE TO 21st JUNE, 1913.

Diary of Operations for Observatories, with Daily Notes of Temperature,
Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E),
Falmouth (F) and Valencia (V).

Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.			
		Highest.	Lowest.				
B. Th.	An. R.	°F.	°F.	G.M.T.			
		V F E A K	V F E A K	h. m.	h. m.	h. m.	h. m.
	SUNDAY.	166.	82.5	38.2	3 45	12 1	20 17
			73.0	37.0	3 15	- 9	21 3
					3 33	- 13	20 53
			78.8	43.4	4 11	- 20	20 30
			75.1	45.9	4 22	- 41	21 0
Weekly Schedule, No. 24 posted.							
166-167.	167.						
	MONDAY.		82.6	41.4	3 45	12 1	20 17
			74.9	38.5	3 15	- 9	21 4
					3 33	- 13	20 54
	Weekly Barograms, &c., No. 24. Send Anemograms, 161-167.		74.0	45.9	4 11	- 21	20 30
			78.4	42.0	4 22	- 41	21 0
	TUESDAY.	168.	84.6	41.3	3 45	12 2	20 18
			70.1	39.6	3 14	- 9	21 4
					3 32	- 13	20 54
			75.1	45.9	4 11	- 21	20 31
			77.9	46.6	4 22	- 42	21 1
168-169.	169.						
	WEDNESDAY.		83.4	42.1	3 45	12 2	20 19
			74.0	41.3	3 14	- 9	21 4
					3 33	- 14	20 55
			74.9	46.0	4 11	- 21	20 31
			78.9	46.2	4 22	- 42	21 1
	THURSDAY.	170.	86.1	45.2	3 45	12 2	20 19
			68.4	41.5	3 14	- 9	21 5
	Send Curves, 160-167; An. and R., 160-166; Journals, Tabulations, &c., No. 28.		80.1	47.3	3 33	- 14	20 56
			80.6	43.0	4 11	- 21	20 32
					4 22	- 42	21 2
170-171.	171.						
	FRIDAY.		80.2	45.0	3 45	12 2	20 19
			70.9	39.1	3 14	- 10	21 5
					3 33	- 14	20 56
			70.9	48.1	4 11	- 21	20 32
			77.2	42.5	4 22	- 42	21 2
	SATURDAY.	172.	84.0	44.0	3 45	12 2	20 19
			69.0	40.0	3 14	- 10	21 5
	Journals, &c., 29.				3 33	- 14	20 56
			70.9	47.0	4 12	- 22	20 32
			74.6	44.3	4 22	- 42	21 2

FOURTH WEEK OF SUMMER.				YEAR XXXVI.	WEEK No. 26.
		Normals, 1881-1905.			
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.			Historical Notes.	
	°F.	hrs. per day.	in.		
N.				SUNDAY, 22nd JUNE.	
0	54.3	4.6	0.73	Hon. Ralph Abercromby died, 1897.	
E.					
1	56.0	6.0	0.55		
2	57.6	6.5	0.44		
3	59.6	7.3	0.37		
4	59.2	6.5	0.48		
5	60.2	7.5	0.37	MONDAY, 23rd JUNE.	
W.					
6	56.9	6.1	0.72		
7	58.2	6.4	0.59		
8	58.8	7.0	0.51		
9	57.1	5.1	0.64		
10	58.5	5.6	0.60		
S.				TUESDAY, 24th JUNE. St. John. Midsummer Day.	
11	59.8	8.4	0.40	Frost on Midsummer Day; so vehement that corn and fruit were destroyed, 1035.—(LOWE.)	
				WEDNESDAY, 25th JUNE.	
				THURSDAY, 26th JUNE.	
				William Thomson, Lord Kelvin born, 1824.	
				Sir Edward Sabine died, 1883.	
				FRIDAY, 27th JUNE.	
				SATURDAY, 28th JUNE.	

22ND JUNE TO 28TH JUNE 1913.

Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c. for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).

Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 172-173.	AN. R. 173.	°F. VFEAK 77.3	°F. VFEAK 41.0	G.M.T.		
SUNDAY.		72.2	41.6	h. m.	h. m.	h. m.
		73.2	46.6	3 45	12 3	20 20
Weekly Schedule, No. 25 posted.		74.5	47.8	3 15	10 21	6
				3 33	14 20	56
				4 12	22 20	32
				4 23	43 21	3
MONDAY.		81.8	46.9	3 46	12 3	20 20
Weekly Barograms, &c., No. 25.		69.4	41.7	3 15	10 21	6
Send Anemograms, 168-174.		73.1	49.0	3 34	15 20	57
		78.3	45.8	4 12	22 20	32
				4 23	43 21	3
174-175.		84.0	46.5	3 46	12 3	20 20
TUESDAY.		70.9	40.9	3 15	10 21	6
		71.1	47.9	3 34	15 20	57
		77.7	46.3	4 12	22 20	32
				4 23	43 21	3
176.		82.1	42.3	3 46	12 3	20 20
WEDNESDAY.		76.7	39.3	3 16	11 21	7
		70.1	48.7	3 34	15 20	57
		74.6	45.6	4 13	23 20	33
				4 23	43 21	3
176-177.		85.6	43.7	3 46	12 3	20 20
THURSDAY.		75.0	40.0	3 16	11 21	6
Send Curves, 168-173; An. and R., 167-173; Journals, Tabulations, &c., No. 29.		74.9	49.6	3 34	15 20	56
		80.0	46.0	4 13	23 20	32
				4 23	43 21	3
178.		83.9	41.3	3 47	12 4	20 20
FRIDAY.		75.4	42.0	3 17	11 21	6
		73.0	50.0	3 35	16 20	57
Report for May issued.		71.4	47.4	4 14	23 20	32
				4 24	44 21	3
178-179.		79.9	48.3	3 48	12 4	20 20
SATURDAY.		72.2	38.9	3 17	11 21	6
		73.9	49.0	3 36	16 20	56
Journals, &c., 30.		72.5	46.0	4 14	23 20	32
				4 25	44 21	3

FIFTH WEEK OF SUMMER.				YEAR XXXVI.	WEEK No. 27.
	Normals, 1881-1905.			Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 29th JUNE. S.S. Peter and Paul.	
0	54.5	4.4	0.78		
E.					
1	56.3	5.7	0.63		
2	58.6	6.7	0.46		
3	60.5	7.4	0.42	MONDAY, 30th JUNE. First issue of forecasts for Harvest season. 1879.	
4	59.9	6.7	0.47		
5	61.0	7.6	0.40		
W.					
6	57.1	5.9	0.79		
7	58.7	6.4	0.58	TUESDAY, 1st JULY. Administration of Kew and Eskdale observatories transferred to M.O. 1910.	
8	59.4	7.0	0.53		
9	57.4	4.8	0.63		
10	58.8	5.4	0.60		
S.					
11	60.6	8.5	0.45	WEDNESDAY, 2nd JULY.	
N.	Normals for July.				
0	54.9	4.10	3.52		
E.					
1	56.6	5.25	3.00		
2	58.7	6.18	2.44	THURSDAY, 3rd JULY. Dog Days, July 3-Aug. 11.	
3	60.6	6.79	2.31		
4	60.0	6.03	2.41		
5	61.4	6.97	2.19		
W.					
6	57.3	5.57	3.61	FRIDAY, 4th JULY. St. Martin Bullion.	
7	58.9	5.87	3.04		
8	59.8	6.38	2.97		
9	57.4	4.47	3.29		
10	59.0	5.06	3.10		
S.				SATURDAY, 5th JULY. Admiral Robert FitzRoy born, 1805.	
11	61.3	7.91	2.33		

29TH JUNE TO 5TH JULY, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F), and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F	°F	G.M.T.		
SUNDAY.	180.	V F E A K	V F E A K	h. m.	h. m.	h. m.
		83.4	48.1	3 48	12 4	20 20
		69.8	45.9	3 18	- 12	21 5
		—	—	3 36	- 16	20 56
		73.4	46.9	4 15	- 23	20 32
		76.1	49.2	4 25	- 44	21 3
Weekly Schedule, No. 26 posted.						
180-181.	181.	78.6	44.0	3 49	12 4	20 19
MONDAY.		70.1	42.5	3 19	- 12	21 5
Weekly Barograms, &c., No. 26.		—	—	3 37	- 16	20 55
Journals, &c., 31.		70.4	48.3	4 16	- 24	20 32
Send Anemograms, 175-181.		76.6	48.4	4 26	- 44	21 2
182.		80.7	42.8	3 49	12 4	20 19
TUESDAY.		76.3	44.5	3 19	- 12	21 4
		73.8	48.1	3 37	- 16	20 55
		73.9	47.0	4 16	- 24	20 32
		—	—	4 26	- 44	21 2
182-183.	183.	83.3	47.3	3 50	12 5	20 19
WEDNESDAY.		76.4	44.0	3 20	- 12	21 4
		—	—	3 38	- 17	20 54
		74.2	48.2	4 17	- 24	20 31
		71.9	48.5	4 27	- 45	21 2
184.		85.3	49.9	3 51	12 5	20 19
THURSDAY.		73.4	42.3	3 21	- 12	21 3
Send Curves, 174-181; An.		—	—	3 39	- 17	20 54
and R., 174-180; Journals,		73.8	49.0	4 17	- 24	20 31
Tabulations, &c., No. 30.		72.7	47.4	4 28	- 45	21 2
International Day.		—	—	—	—	—
184-185.	185.	84.7	46.9	3 52	12 5	20 18
FRIDAY.		74.7	39.9	3 22	- 12	21 2
Climatological Stations send		—	—	3 40	- 17	20 53
Schedules for June.		77.5	47.8	4 18	- 24	20 30
		70.4	48.0	4 29	- 45	21 1
186.		90.0	46.2	3 52	12 5	20 18
SATURDAY.		74.5	41.0	3 23	- 13	21 2
Journals, &c., 32.		—	—	3 41	- 17	20 53
		75.0	49.6	4 19	- 25	20 30
		72.6	48.4	4 29	- 45	21 1

SIXTH WEEK OF SUMMER.				YEAR XXXVI.	WEEK No. 28.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 6th JULY. William Clement Ley born, 1840.	
0	54.7	4.2	0.80		
E.					
1	56.5	5.3	0.71		
2	58.8	6.4	0.48		
3	60.7	7.1	0.52		
4	60.1	6.3	0.50		
5	61.5	7.3	0.47		
W.				MONDAY, 7th JULY. "Marvellous tempest of thunder" near Nottingham. Hailstones 15 in. in circumference. 1558. —(LOWE.)	
6	57.2	5.7	0.85		
7	58.9	6.2	0.63		
8	59.8	6.6	0.64		
9	57.4	4.6	0.73		
10	58.9	5.2	0.69		
S.				TUESDAY, 8th JULY. Thunder and hailstorms over England and S. Scotland, 1893—(Q.J.). Hailstones 6-7 in. in circumference fell at Richmond, Yorks, 1893. Kashgar earthquake, 1905.	
11	61.2	8.1	0.52		
				WEDNESDAY, 9th JULY. George Howard Darwin born, 1845. Administration of the Office transferred from the Meteorological Committee of the Royal Society to the Meteorological Council, 1877.	
				THURSDAY, 10th JULY.	
				FRIDAY, 11th JULY.	
				SATURDAY, 12th JULY. Final meeting of the Meteorological Council, 1905. Heavy rainfall at Maidenhead, 3.63 in. in 1 hour, 1901.	

6TH JULY TO 12TH JULY, 1913.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th. 186-187.	An. R. 187.	°F. VFEAK	°F. VFEAK	G.M.T.	
		83.4	47.9	h. m.	h. m.
	SUNDAY.	71.2	38.9	3 53	12 6
		—	—	3 24	13 21
		71.9	49.2	3 42	17 20
		—	—	4 19	25 20
Weekly Schedule, No. 27 posted.		71.4	46.5	4 30	46 21
	188.	85.6	45.2	3 54	12 6
	MONDAY.	74.4	41.1	3 25	13 21
Weekly Barograms, &c., No. 27.		—	—	3 43	17 20
Send Anemograms, 182-188.		70.7	47.5	4 20	25 20
		70.4	48.6	4 31	46 21
	189.	83.8	43.6	3 55	12 6
	TUESDAY.	70.9	41.8	3 26	13 20
		—	—	3 44	18 20
		75.7	46.0	4 20	25 20
		71.9	49.8	4 32	46 20
	190.	86.9	47.1	3 56	12 6
	WEDNESDAY.	72.5	40.6	3 27	13 20
		—	—	3 45	18 20
		70.5	48.2	4 21	25 20
		73.1	48.8	4 33	46 20
	191.	85.7	48.0	3 57	12 6
	THURSDAY.	73.1	41.6	3 28	13 20
Send Curves, 182-187; An. and R., 181-187; Journals, Tabulations, &c., Nos. 31, 32.		69.9	48.1	3 46	18 20
		74.3	45.4	4 22	25 20
				4 34	46 20
	192.	83.2	43.6	3 58	12 6
	FRIDAY.	70.2	41.6	3 30	14 20
		—	—	3 47	18 20
		72.7	47.1	4 23	25 20
		70.2	47.0	4 35	46 20
	193.	81.4	44.0	3 59	12 6
	SATURDAY.	77.0	41.6	3 32	14 20
Journals, &c., No. 33.		—	—	3 49	18 20
		69.0	47.8	4 24	26 20
		72.9	50.0	4 36	46 20

SEVENTH WEEK OF SUMMER.				YEAR XXXVI.	WEEK No. 29.	
Dist.	Normals, 1881-1905.			Historical Notes.		
	Mean Temperature, Sunshine and Rainfall for twelve Districts.					
N.	°F.	hrs. per day.	in.	SUNDAY, 13th JULY.		
0	55·0	4·1	0·78			
E.						
1	56·9	5·1	0·73			
2	58·7	6·2	0·54			
	3	60·7	6·7	0·59	MONDAY, 14th JULY. S.S. Processus and Martinian. Heavy rainfall over Monmouthshire, 5 in. in 24 hrs., 1875.	
	4	60·1	5·8	0·58		
	5	61·6	6·8	0·55		
W.						
6	57·4	5·4	0·82			
	7	59·0	5·7	0·72	TUESDAY, 15th JULY. St. Swithin. Spell of very hot weather, 15th to 18th, over England S.E., 97·6° at Greenwich, 95° at Camden Square; and with abnormal exposure, 101° at Alton, Hants, 100° at Alderbury, Salisbury, 1881.	
	8	60·0	6·1	0·75		
	9	57·4	4·3	0·80		
	10	59·1*	4·9	0·72		
S.						
11	61·5	7·5	0·57	WEDNESDAY, 16th JULY.		
			THURSDAY, 17th JULY. "Hailstorm in Suffolk. Hailstones 9 in., 8 in., 12 in. At Friston Hall, one weighed 12s. 6d." 1666.—(LOWE.)			
			FRIDAY, 18th JULY.			
			SATURDAY, 19th JULY.			

13TH JULY TO 19TH JULY, 1913.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.					
		Highest.	Lowest.						
B. Th.	An. R.	°F.	°F.	G.M.T.					
SUNDAY.	194.	VFEAK 84·0 73·1 — 73·7 70·8	VFEAK 43·9 41·1 — 46·9 48·3	h. m.	h. m.	h. m.			
				4 0	12 6	20 12			
				3 33	- 14	20 55			
				3 50	- 18	20 46			
				4 25	- 26	20 26			
				4 37	- 46	20 56			
Weekly Schedule, No. 28 posted.									
194-195.	195.	85·6 73·5 — 73·2 77·9	46·6 43·6 — 47·0 44·8	4 1	12 7	20 12			
MONDAY.				3 34	- 14	20 53			
				3 51	- 18	20 45			
Weekly Barograms, &c., No. 28.				4 26	- 26	20 25			
Send Anemograms, 189-195.				4 38	- 47	20 55			
	196.	89·8 74·3 — 76·3 79·5	46·6 43·4 — 49·0 48·6	4 3	12 7	20 11			
TUESDAY.				3 36	- 14	20 52			
				3 52	- 19	20 44			
				4 27	- 26	20 24			
				4 39	- 47	20 54			
196-197.	197.	89·4 84·9 — 74·0 72·9	44·1 41·2 — 50·9 47·1	4 4	12 7	20 10			
WEDNESDAY.				3 37	- 14	20 50			
				3 54	- 19	20 43			
				4 28	- 26	20 23			
				4 40	- 47	20 53			
	198.	85·0 77·4 — 80·0 73·3	48·7 44·7 — 51·3 49·7	4 5	12 7	20 9			
THURSDAY.				3 39	- 14	20 49			
				3 56	- 19	20 42			
Send Curves, 188-195; An. & R., 188-194; Journals, Tabu- lations, &c., No. 33.				4 29	- 26	20 22			
				4 41	- 47	20 52			
198-199.	199.	85·4 78·5 — 75·0 44·7	45·3 43·9 — 51·4 49·2	4 6	12 7	20 8			
FRIDAY.				3 40	- 14	20 47			
				3 57	- 19	20 40			
				4 30	- 26	20 21			
				4 42	- 47	20 51			
	200.	89·4 76·1 — 76·2 77·1	45·4 42·3 — 51·6 47·0	4 7	12 7	20 7			
SATURDAY.				3 42	- 14	20 46			
				3 59	- 19	20 39			
Journals, &c., No. 34.				4 32	- 26	20 20			
				4 44	- 47	20 50			

EIGHTH WEEK OF SUMMER.				YEAR XXXVI.	WEEK No. 30.
	Normals, 1881-1905.			Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 20th JULY. St. Margaret. St. Jacob.	
0	55.1	3.9	0.79		
E.					
1	56.8	5.0	0.66		
2	58.7	5.6	0.66		
3	60.7	6.3	0.57		
4	60.0	5.5	0.62		
5	61.6	6.4	0.56	MONDAY, 21st JULY.	
W.					
6	57.4	5.3	0.78		
7	59.0	5.4	0.78		
8	60.0	5.9	0.76		
9	57.5	4.3	0.78		
10	59.2	4.8	0.74		
S.				TUESDAY, 22nd JULY. St. Mary Magdalene. 96.6° at Greenwich, 100.5° at Tonbridge, 1868.	
11	61.6	7.4	0.56		
				WEDNESDAY, 23rd JULY.	
				THURSDAY, 24th JULY. Sir Richard Strachey born, 1817	
				FRIDAY, 25th JULY. St. James.	
				SATURDAY, 26th JULY.	

20TH JULY TO 26TH JULY, 1913.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th. 200-201.	201.	°F. VFEAK 89.4 74.0	°F. VFEAK 47.1 38.4	G.M.T. h. m. h. m. h. m.	
SUNDAY.		73.3	51.9	4 8	12 7 20 6
Weekly Schedule, No. 29 posted.		76.0	51.3	3 44	- 15 20 45
				4 0	- 19 20 37
				4 33	- 26 20 19
				4 46	- 47 20 49
	202.	86.4	46.4	4 10	12 7 20 4
MONDAY.		77.2	40.3	3 46	- 15 20 43
Weekly Barograms, &c., No. 29.		—	—	4 2	- 19 20 36
Send Anemograms, 196-202.		74.0	50.0	4 34	- 26 20 18
		77.0	45.6	4 47	- 47 20 48
	203.	87.1	48.6	4 11	12 7 20 3
202-203. TUESDAY.		75.5	45.6	3 48	- 15 20 41
		—	—	4 3	- 19 30 34
		77.8	50.4	4 35	- 26 20 17
		80.1	47.9	4 48	- 47 20 46
	204.	82.7	46.6	4 13	12 7 20 1
WEDNESDAY.		68.6	42.0	3 50	- 15 20 40
		—	—	4 5	- 19 20 33
		74.9	50.0	4 38	- 27 20 16
		71.9	48.7	4 50	- 47 20 44
	205.	86.0	47.0	4 14	12 7 20 0
204-205. THURSDAY.		70.7	43.2	3 52	- 15 20 38
Send Curves, 196-201; An.		—	—	4 6	- 19 20 31
and R., 195-201; Journals,		73.0	52.6	4 39	- 27 20 14
Tabulations, &c., No. 34.		73.6	50.6	4 52	- 47 20 42
	206.	89.3	47.3	4 15	12 7 19 58
FRIDAY.		80.9	42.4	3 54	- 15 20 36
		—	—	4 8	- 19 20 29
		75.0	51.2	4 40	- 27 20 13
		73.8	49.5	4 54	- 47 20 41
	207.	85.4	43.2	4 17	12 7 19 57
206-207. SATURDAY.		68.8	42.2	3 55	- 15 20 34
Report for June issued.		—	—	4 10	- 19 20 28
Journals, &c., No. 35.		79.5	50.1	4 42	- 27 20 12
		73.1	46.9	4 55	- 47 20 40

NINTH WEEK OF SUMMER.				YEAR XXXVI.	WEEK No. 31.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 27th JULY. Sir George Biddell Airy born, 1801.	
0	55.1	3.7	0.86		
E.					
1	56.6	5.0	0.63		
2	58.7	5.6	0.69		
3	60.5	6.2	0.49		
4	59.8	5.6	0.56		
5	61.5	6.4	0.48		
W.				MONDAY, 28th JULY. Thunderstorm at South Kensington, 1.1 in. of rain in 15 mins., 1911.	
6	57.2	5.3	0.87		
7	59.0	5.4	0.78		
8	59.9	6.1	0.67		
9	57.6	4.3	0.81		
10	59.2	4.9	0.81		
S.				TUESDAY, 29th JULY.	
11	61.7	8.0	0.53		
N.	Normals for August.			WEDNESDAY, 30th JULY.	
0	54.5	3.69	4.29		
E.					
1	55.8	4.80	3.17		
2	57.8	5.18	2.74		
3	59.7	5.95	2.34		
4	58.8	5.35	2.65		
5	60.8	6.27	2.48		
W.				THURSDAY, 31st JULY.	
6	56.5	4.96	4.60		
7	58.1	5.02	3.67		
8	59.1	5.95	3.38		
9	56.8	4.23	4.01		
10	58.2	4.93	4.09		
S.				FRIDAY, 1st AUGUST. Lammas Day. [Weather forecasts first issued by Admiral FitzRoy in this month, 1861.] First report by radiotelegraphy from Gibraltar, 1910.	
11	61.5	7.20	2.68		
				SATURDAY, 2nd AUGUST. Exceptionally destructive hailstorm over the east Midland Counties: value of uninsured crops destroyed estimated at £55,000, 1906.—(M.W.R.)	

27TH JULY TO 2ND AUGUST, 1913.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th.	An. R.	°F.	°F.	G.M.T.	
	SUNDAY.	V F E A K	V F E A K	h. m.	h. m.
	208.	82.0	46.9	4 18	12 7 19 56
		69.0	40.7	3 57	- 15 20 32
		—	—	4 12	- 19 20 26
		74.1	51.0	4 43	- 27 20 10
	Weekly Schedule, No. 30 posted.	75.8	46.2	4 56	- 47 20 39
208-209.	209.				
	MONDAY.	76.9	44.1	4 19	12 7 19 55
		69.6	37.7	3 59	- 15 20 30
	Weekly Barograms, &c., No. 30.	—	—	4 13	- 19 20 24
	Send Anemograms, 203-209.	72.0	49.4	4 44	- 27 20 9
		77.0	44.6	4 57	- 47 20 38
	TUESDAY.	79.2	45.3	4 21	12 7 19 53
		74.5	43.0	4 1	- 15 20 28
		—	—	4 15	- 19 20 22
		70.4	50.2	4 46	- 27 20 8
		75.5	49.3	4 58	- 47 20 37
210-211.	211.				
	WEDNESDAY.	80.8	46.3	4 22	12 7 19 52
		75.0	43.6	4 3	- 15 20 26
		—	—	4 17	- 19 20 21
		74.0	51.6	4 47	- 27 20 6
		74.9	45.4	4 59	- 47 20 36
	212.				
	THURSDAY.	82.8	46.7	4 24	12 7 19 50
		68.9	41.7	4 5	- 15 20 24
	Journals, &c., 36.	—	—	4 19	- 19 20 19
	Send Curves, 202-209; An.	70.3	51.0	4 48	- 26 20 4
	and R., 202-208; Journals,	75.8	45.8	5 1	- 47 20 34
	Tabulations, &c., No. 35.				
212-213.	213.				
	FRIDAY.	81.0	48.1	4 25	12 7 19 49
		79.6	41.3	4 7	- 15 20 22
		—	—	4 21	- 19 20 17
		70.7	49.8	4 49	- 26 20 2
		76.9	48.4	5 3	- 47 20 32
	214.				
	SATURDAY.	80.7	45.9	4 27	12 7 19 47
		71.8	41.0	4 9	- 15 20 20
	Journals, &c., 37.	—	—	4 22	- 19 20 15
		71.3	49.2	4 51	- 26 20 1
		79.4	46.0	5 5	- 47 20 30

TENTH WEEK OF SUMMER.			YEAR XXXVI.	WEEK No. 32.
Dist.	Normals, 1881-1905.		Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.			
	°F.	hrs. per day.	in.	
N.				SUNDAY, 3rd AUGUST. Destructive hailstorm at Kew, 1879.
0	54.8	3.6	0.93	
E.				
1	56.2	4.9	0.71	
2	58.4	5.4	0.60	
3	60.2	6.2	0.49	
4	59.4	5.6	0.54	
5	61.3	6.5	0.46	MONDAY, 4th AUGUST. "Exceeding great and terrible tempeste" at Bongay, near Norwich. 1577.—(LOWE.)
W.				
6	56.8	5.1	1.00	
7	58.6	5.3	0.77	
8	59.6	6.2	0.65	
9	57.3	4.3	0.89	
10	58.8	5.1	0.92	TUESDAY, 5th AUGUST.
S.				
11	61.8	8.2	0.56	
				WEDNESDAY, 6th AUGUST. George James Symons born, 1838. 9½ in. of rainfall at Scarborough, 1857. Johann von Lamont died, 1879.
				THURSDAY, 7th AUGUST. Elias Loomis born, 1811.
				FRIDAY, 8th AUGUST.
				SATURDAY, 9th AUGUST. Hottest day on record in London, 100° at Greenwich (Glaisher screen), 97° at South Kensington. Earthquake, Sea of Marmora, 1912.

3RD AUGUST TO 9TH AUGUST, 1913.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th. 214-215.	An. R. 215.	°F. VFEAK	°F. VFEAK	G.M.T.	
SUNDAY.		79.3	44.1	h. m.	h. m.
		70.6	43.1	4 29	12 7
				4 10	14 20
				4 24	19 20
				4 52	26 19
				5 7	47 20
Weekly Schedule, No. 31 posted.		73.0	48.4		
		77.4	48.2		
	216.				
MONDAY.		87.7	48.3	4 31	12 7
		71.5	37.7	4 12	14 20
M.O. Press closed.				4 26	19 20
Weekly Barograms, &c. No. 31.		73.0	47.7	4 53	26 19
Send Anemograms, 210-216.		71.1	49.0	5 9	47 20
	217.				
TUESDAY.		86.6	45.1	4 32	12 7
		73.8	42.4	4 14	14 20
Daily Reports for 3rd, 4th, and 5th issued.				4 28	19 20
Climatological Stations send Schedules for July.		73.3	46.0	4 55	26 19
		70.6	49.8	5 11	47 20
	218.				
WEDNESDAY.		84.5	46.3	4 34	12 7
		73.5	40.3	4 16	14 20
				4 30	19 20
		71.9	49.3	4 56	26 19
International Day.		71.2	50.8	5 12	47 20
	219.				
THURSDAY.		82.5	48.8	4 35	12 7
		69.5	47.4	4 19	14 20
Send Curves, 210-215; An. and Th., 209-215; Journals, Tabulations, &c., Nos. 36 and 37.				4 31	18 20
		73.5	49.2	4 58	26 19
		73.3	49.7	5 13	47 20
International Day.					
	220.				
FRIDAY.		86.9	47.0	4 36	12 6
		71.1	44.4	4 21	14 20
				4 33	18 20
		73.1	47.0	5 0	26 19
International Day.		74.0	48.2	5 14	46 20
	221.				
SATURDAY.		84.2	47.5	4 37	12 6
		72.9	40.2	4 23	14 20
				4 35	18 20
Journals, &c., 38.		73.0	50.7	5 1	26 19
		72.5	48.8	5 16	46 20

ELEVENTH WEEK OF SUMMER.				YEAR XXXVI.	WEEK No 33.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 10th AUGUST. St. Lawrence.	
0	54.8	3.9	0.92		
E.					
1	55.9	4.9	0.74		
2	58.0	5.3	0.58		
3	60.0	6.1	0.55		
4	59.1	5.6	0.59		
5	61.1	6.5	0.55	MONDAY, 11th AUGUST.	
W.					
6	56.7	5.1	1.03		
7	58.3	5.2	0.80		
8	59.3	6.2	0.73		
9	57.1	4.4	0.91		
10	58.4	5.2	0.97	TUESDAY, 12th AUGUST.	
S.					
11	61.7	7.8	0.60		
				WEDNESDAY, 13th AUGUST. Sir G. G. Stokes born, 1819.	
				THURSDAY, 14th AUGUST. Elias Loomis died, 1889.	
				FRIDAY, 15th AUGUST. Assumption. J. P. Gassiot died, 1877.	
				SATURDAY, 16th AUGUST. 16th and 17th, Thunderstorm over the Metro- polis, 1887.—(S.M.)	

10TH AUGUST TO 16TH AUGUST, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
		V F E A K	V F E A K	h. m.	h. m.	h. m.
SUNDAY.	222.	80.7	47.1	4 39	12 6	19 33
		76.4	37.7	4 25	14 20	3
		—	—	4 37	18	19 59
		72.0	50.4	5 2	26	19 48
Weekly Schedule, No. 32 posted.		73.6	49.4	5 17	46	20 16
222-223.	223.	89.2	43.8	4 41	12 6	19 31
MONDAY.		79.7	39.2	4 27	14	20 0
Weekly Barograms, No. 32.		—	—	4 39	18	19 57
Send Anemograms, 217-223.		75.4	48.0	5 3	25	19 46
		76.6	50.0	5 19	46	20 14
	224.	85.4	46.0	4 42	12 6	19 30
TUESDAY.		75.0	43.2	4 29	13	19 57
		—	—	4 41	18	19 55
		73.2	50.8	5 5	25	19 45
		78.5	50.2	5 21	46	20 12
224-225.	225.	92.3	46.0	4 44	12 6	19 28
WEDNESDAY.		71.3	40.6	4 31	13	19 55
		—	—	4 43	18	19 52
		79.0	48.2	5 7	25	19 43
		75.5	47.8	5 23	46	20 10
	226.	87.1	42.1	4 46	12 6	19 26
THURSDAY.		69.9	39.9	4 33	13	19 53
Send Curves, 216-223; An.		—	—	4 44	17	19 50
and R., 216-222; Journals,		73.5	47.5	5 8	25	19 41
Tabulations, &c., No. 38.		76.5	46.7	5 25	46	20 8
226-227.	227.	87.3	41.5	4 47	12 5	19 23
FRIDAY.		76.5	42.5	4 35	13	19 50
		—	—	4 46	17	19 48
		73.3	48.9	5 10	25	19 39
		77.2	48.0	5 26	45	20 6
	228.	86.7	44.8	4 49	12 5	19 21
SATURDAY.		73.1	44.9	4 37	13	19 48
		—	—	4 48	17	19 46
Journals, &c., 39.		74.1	50.5	5 11	25	19 38
		72.2	46.5	5 27	45	20 4

TWELFTH WEEK OF SUMMER.				YEAR XXXVI.	WEEK No. 34.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 17th AUGUST.	
0	54.4	3.7	1.00		
1	55.6	4.8	0.75		
2	57.5	5.0	0.62		
3	59.4	5.9	0.56		
4	58.4	5.3	0.65		
5	60.6	6.2	0.63	MONDAY, 18th AUGUST.	
W.					
6	56.3	4.8	1.09		
7	57.9	4.9	0.89		
8	58.9	5.9	0.86		
9	56.5	4.2	0.94		
10	57.9	4.8	0.98	TUESDAY, 19th AUGUST.	
S.					
11	61.4	7.2	0.65		
				WEDNESDAY, 20th AUGUST.	
				THURSDAY, 21st AUGUST.	
				FRIDAY, 22nd AUGUST.	
				SATURDAY, 23rd AUGUST.	
				First meeting of Maritime Conference at Brussels, 1853.	

17th AUGUST TO 23rd AUGUST, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 228-229.	An. R. 229.	°F. VFEAK	°F. VFEAK	G.M.T.		
SUNDAY.		88.6	46.7	h. m.	h. m.	h. m.
		73.7	40.4	4 51	12 5	19 20
				4 39	- 12	19 45
				4 50	- 17	19 44
Weekly Schedule, No. 33 posted.		72.8	49.2	5 12	- 24	19 36
		70.2	47.8	5 29	- 45	20 2
230.						
MONDAY.		88.3	48.3	4 52	12 5	19 18
		73.2	39.1	4 41	- 12	19 43
Weekly Barograms, No. 33.				4 52	- 17	19 42
Send Anemograms, 224-230.		73.4	49.4	5 14	- 24	19 34
		75.2	49.8	5 31	- 45	20 0
230-231.						
TUESDAY.		82.7	43.4	4 53	12 5	19 16
		71.4	34.6	4 43	- 12	19 40
				4 54	- 16	19 39
		75.0	50.7	5 16	- 24	19 32
		75.5	49.8	5 33	- 45	19 58
232.						
WEDNESDAY.		80.0	48.5	4 54	12 4	19 14
		72.8	40.0	4 45	- 12	19 38
				4 56	- 16	19 36
		70.2	49.8	5 17	- 24	19 30
		76.6	48.3	5 34	- 44	19 56
232-233.						
THURSDAY.		79.9	45.5	4 56	12 4	19 12
		70.5	43.4	4 47	- 12	19 36
Send Curves, 224-229; An. and R., 223-229; Journals, Tabulations, &c., No. 39.		73.0	49.7	4 58	- 16	19 34
		80.1	50.3	5 18	- 23	19 28
				5 36	- 44	19 53
234.						
FRIDAY.		83.9	45.0	4 58	12 4	19 10
		69.8	42.8	4 49	- 11	19 33
				5 0	- 16	19 32
		70.2	51.8	5 20	- 23	19 26
		75.1	47.1	5 38	- 44	19 51
234-235.						
SATURDAY.		80.4	45.0	5 0	12 4	19 8
		70.1	38.8	4 51	- 11	19 30
				5 1	- 15	19 29
Journals, &c., 40.		72.3	50.8	5 22	- 23	19 24
		75.8	45.5	5 40	- 44	19 49

THIRTEENTH WEEK OF SUMMER.				YEAR XXXVI.	WEEK No. 35.		
Dist.	Normals, 1881-1905.			Historical Notes.			
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.						
N.	°F.	hrs. per day.	in.	SUNDAY, 24th AUGUST. St. Bartholomew.			
0	53·7	3·5	1·11				
E.	1	54·8	4·5			0·71	
	2	56·7	4·7			0·64	
	3	58·5	5·5			0·54	
	4	57·4	4·8	0·64	MONDAY, 25th AUGUST. Great rainfall in east Ireland, 1905.		
	5	59·6	5·7	0·66			
W.	6	55·5	4·5	1·14			
	7	57·0	4·5	0·89			
	8	58·1	5·4	0·89			
	9	55·6	3·9	0·95	TUESDAY, 26th AUGUST. Flood rainfall in East Anglia, 1912. More than 8 in. rain near Norwich. 26th-27th, Krakatoa eruption, 1883.		
	10	57·1	4·5	0·89			
S.	11	60·7	6·5	0·66			
				WEDNESDAY, 27th AUGUST.			
				THURSDAY, 28th AUGUST. Magnetic Storm, 1859.			
				FRIDAY, 29th AUGUST.			
				SATURDAY, 30th AUGUST. 4th Earl of Rosse died, 1908. Violent gale. Great damage to Julius Caesar's Fleet, 55 B.C. (Date calculated by Halley.)— (LOWE.)			

24TH AUGUST TO 30TH AUGUST, 1913.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F), and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.					
		Highest.	Lowest.						
B. Th.	An. R.	°F.	°F.	G.M.T.					
SUNDAY.	236.	V F E A K	V F E A K	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
		85·4	42·0	5 1	12 3	19 5			
		69·8	41·4	4 54	- 11	19 28			
		—	—	5 3	- 15	19 26			
		71·1	48·0	5 23	- 23	19 22			
Weekly Schedule, No. 34 posted.		71·5	47·9	5 41	- 43	19 46			
236-237.	237.								
MONDAY.		86·1	43·5	5 3	12 3	19 3			
		69·1	36·6	4 56	- 11	19 25			
Weekly Barograms, No. 34.		—	—	5 5	- 15	19 24			
Send Anemograms, 231-237.		72·7	48·9	5 24	- 22	19 20			
		72·8	48·0	5 43	- 43	19 44			
238.									
TUESDAY.		80·7	44·1	5 5	12 3	19 1			
		66·4	39·0	4 58	- 10	19 22			
		—	—	5 7	- 15	19 22			
		71·6	50·2	5 26	- 22	19 18			
		72·2	48·8	5 44	- 43	19 43			
238-239.	239.								
WEDNESDAY.		78·3	45·3	5 7	12 2	18 59			
		67·1	42·9	5 0	- 10	19 20			
		—	—	5 9	- 14	19 19			
		72·5	49·7	5 27	- 22	19 16			
Report for July issued.		69·5	46·4	5 45	- 42	19 40			
240.									
THURSDAY.		77·6	43·1	5 8	12 2	18 57			
		68·1	38·8	5 2	- 10	19 17			
Send Curves, 230-237; An.		—	—	5 11	- 14	19 16			
and R., 230-236; Journals,		69·8	48·8	5 29	- 22	19 14			
Tabulations, &c., No. 40.		72·4	46·9	5 47	- 42	19 38			
240-241.	241.								
FRIDAY.		77·6	43·6	5 9	12 2	18 55			
		70·6	37·9	5 4	- 9	19 14			
		—	—	5 13	- 14	19 14			
		69·0	46·9	5 30	- 21	19 11			
		70·2	46·0	5 49	- 42	19 36			
242.									
SATURDAY.		84·4	41·7	5 11	12 2	18 52			
		67·0	36·7	5 6	- 9	19 12			
		—	—	5 14	- 13	19 11			
Journals, &c., 41.		70·2	44·1	5 32	- 21	19 10			
		71·1	44·8	5 50	- 42	19 34			

FIRST WEEK OF AUTUMN.				YEAR XXXVI.	WEEK No. 36.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.	SUNDAY, 31st AUGUST.	
N.	0	53.2	3.6	0.99	
E.	1	54.2	4.4	0.52	
	2	55.9	4.8	0.60	
	3	57.7	5.3	0.48	
	4	56.5	4.7	0.51	
	5	58.8	5.5	0.57	
V.	6	54.8	4.7	0.94	
	7	56.3	4.6	0.70	
	8	57.5	5.3	0.71	
	9	55.2	4.0	0.78	
	10	56.4	4.7	0.71	
S.	11	60.1	6.4	0.56	
Normals for September.				MONDAY, 1st SEPTEMBER.	
N.	0	51.7	3.35	4.56	
E.	1	52.3	3.96	2.37	
	2	54.3	4.45	1.96	
	3	55.9	4.98	1.98	
	4	54.8	4.39	2.06	
	5	57.2	5.11	2.28	
W.	6	53.2	4.17	4.11	
	7	54.9	4.26	3.00	
	8	56.2	4.81	3.12	
	9	53.9	3.76	3.21	
	10	55.2	4.44	2.89	
S.	11	59.0	6.02	2.59	
				TUESDAY, 2nd SEPTEMBER. Magnetic Storm, 1859.	
				WEDNESDAY, 3rd SEPTEMBER. First Telegraphic Daily Weather Report prepared at the Meteorological Department, 1860.	
				THURSDAY, 4th SEPTEMBER.	
				FRIDAY, 5th SEPTEMBER. Mr. Glaisher and Mr. Coxwell ascended in a balloon from Wolverhampton to an altitude estimated at 7 miles above the earth, 1862.	
				SATURDAY, 6th SEPTEMBER.	

31ST AUGUST TO 6TH SEPTEMBER, 1913.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.					
		Highest.	Lowest.						
B. Th. 242-243.	An. R. 243.	°F. VFEAK	°F. VFEAK	G.M.T.					
SUNDAY.		84.4	40.5	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
		68.3	33.0	5 13	12 1	18 19	5 8	9 19	9 19
		—	—	5 17	—	13 19	5 34	—	21 19 8
Journals, &c., 42.		70.0	47.2	5 52	—	41 19 31			
Weekly Schedule, No. 35 posted.		67.7	42.9						
244.									
MONDAY.									
Weekly Barograms, &c., No. 35.		80.9	36.9	5 15	12 1	18 47	5 10	—	8 19 6
Send Anemograms, 238-244.		70.4	34.0	5 19	—	13 19 7	5 34	—	20 19 5
Equinoctial Cards (Straight) to be used in the Sun Recorder to-day and until 12th October.		71.0	46.0	5 54	—	41 19 28			
244-245.									
TUESDAY.									
		77.5	40.8	5 17	12 1	18 45	5 12	—	8 19 4
		67.6	36.3	5 20	—	13 19 4	5 36	—	20 19 3
		70.1	46.7	5 56	—	41 19 26			
		68.3	40.9						
246.									
WEDNESDAY.									
		81.1	44.7	5 18	12 0	18 43	5 14	—	8 19 1
		78.4	36.7	5 22	—	12 19 1	5 37	—	20 19 1
		69.7	44.9	5 57	—	40 19 24			
		72.2	43.9						
246-247.									
THURSDAY.									
Send Curves, 238-243; An. and R., 237-243; Journals, Tabulations, &c., No. 41.		84.0	41.9	5 19	12 0	18 41	5 16	—	8 18 58
Climatological Stations send Schedules for August.		72.5	36.6	5 24	—	12 18 59	5 39	—	19 18 58
International Day.		70.4	46.0	5 58	—	40 19 22			
		74.1	42.9						
248.									
FRIDAY.									
		84.2	39.7	5 21	12 0	18 39	5 18	—	7 18 56
		76.2	41.0	5 26	—	12 18 56	5 41	—	19 18 56
		69.2	46.2	6 0	—	40 19 19			
		75.0	41.8						
248-249.									
SATURDAY.									
		78.3	40.5	5 22	11 59	18 36	5 20	12 7	18 53
		70.6	39.0	5 28	—	11 18 54	5 43	—	19 18 54
Journals, &c., 43.		71.9	46.0	6 1	—	39 19 17			
		70.9	41.3						

SECOND WEEK OF AUTUMN.				YEAR XXXVI.	WEEK No. 37.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 7th SEPTEMBER.	
0	52.6	3.6	0.91		
E.				MONDAY, 8th SEPTEMBER.	
1	53.2	4.2	0.44		
2	55.0	4.8	0.46		
3	56.8	5.2	0.39		
4	55.7	4.7	0.40		
	58.0	5.4	0.44	TUESDAY, 9th SEPTEMBER.	
W.					
6	53.8	4.5	0.78		
7	55.7	4.6	0.57		
8	56.9	5.1	0.57		
	54.7	4.0	0.61	WEDNESDAY, 10th SEPTEMBER. 10th-11th, Circular Storm, 1901 (L.H.)	
	55.9	4.7	0.60		
S.					
11	59.6	6.5	0.48		
N.	Normals for Autumn.				
0	46.2	2.28	15.60		
E.					
1	46.4	2.75	8.56		
	48.2	3.06	7.29	FRIDAY, 12th SEPTEMBER.	
2	49.1	3.42	6.87		
3	48.1	2.98	7.36		
4	50.5	3.44	8.49		
W.					
6	48.0	2.76	14.51	SATURDAY, 13th SEPTEMBER.	
7	49.1	2.82	10.56		
8	50.5	3.32	11.93		
9	48.5	2.80	11.01		
10	49.8	3.26	10.90		
S.					
11	53.8	4.05	10.48		

7TH SEPTEMBER TO 13TH SEPTEMBER, 1913.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest	Lowest		
B. Th.	An. R.	°F.	°F.	G.M.T.	
SUNDAY.	250.	VFEAK	VFEAK	h. m.	h. m.
		85.9	44.2	5 24	11 59
		73.3	38.2	5 23	12 7
		—	—	5 30	— 11
		71.2	48.3	5 44	— 18
		68.3	40.7	6 3	— 39
Weekly Schedule, No. 36 posted.					
250-251.	251.	88.3	41.3	5 26	11 59
MONDAY.		72.9	38.0	5 24	12 6
Weekly Barograms, &c., No. 36.		—	—	5 32	— 11
Send Anemograms, 245-251.		71.0	46.4	5 46	— 18
		68.3	45.6	6 5	— 39
				19 13	
	252.	80.8	40.0	5 27	11 58
TUESDAY.		68.0	35.3	5 27	12 6
		—	—	5 33	— 10
		69.5	46.1	5 43	— 18
		68.0	40.5	6 6	— 38
				19 10	
252-253.	253.	78.0	42.8	5 29	11 58
WEDNESDAY.		72.9	37.0	5 29	12 6
		—	—	5 36	— 10
		68.2	44.9	5 48	— 17
		67.6	40.4	6 8	— 38
				19 8	
	254.	76.3	42.0	5 31	11 58
THURSDAY.		67.4	38.7	5 31	12 5
Send Curves, 244-251; An.		—	—	5 38	— 10
and R., 244-250; Journals,		70.9	46.9	5 50	— 17
Tabulations, &c., Nos. 42 and		71.7	45.6	6 10	— 38
43.				19 6	
254-255.	255.	78.3	41.4	5 32	11 57
FRIDAY.		76.7	34.2	5 33	12 5
		—	—	5 39	— 9
		68.9	45.0	5 52	— 17
		70.5	41.7	6 11	— 37
				19 4	
	256.	78.5	40.5	5 34	11 57
SATURDAY.		66.0	41.0	5 35	12 4
Journals, &c., 44.		—	—	5 41	— 9
		67.4	46.4	5 53	— 16
		72.3	41.9	6 13	— 37
				19 1	

THIRD WEEK OF AUTUMN.				YEAR XXXVI.	WEEK No. 38.
Normals, 1881-1905.				Historica Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 14th SEPTEMBER.	
0	51.2	3.3	1.06	Alexander von Humboldt born, 1769. "New Style" introduced in England. 14th followed 2nd September in 1752.	
E.					
1	51.7	3.8	0.54		
2	53.9	4.3	0.35		
3	55.6	4.9	0.42		
4	54.4	4.3	0.44		
5	56.8	5.0	0.47	MONDAY, 15th SEPTEMBER.	
W.					
6	52.8	4.1	0.93		
7	54.6	4.2	0.66		
8	55.9	4.7	0.69		
9	53.6	3.7	0.69		
10	54.9	4.4	0.64	TUESDAY, 16th SEPTEMBER.	
S.				Gabriel Daniel Fahrenheit died, 1736.	
11	58.8	6.0	0.58		
				WEDNESDAY, 17th SEPTEMBER.	
				THURSDAY, 18th SEPTEMBER.	
				William Ferrel died, 1891.	
				FRIDAY, 19th SEPTEMBER.	
				SATURDAY, 20th SEPTEMBER.	

14TH SEPTEMBER TO 20TH SEPTEMBER, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 256-257.	An. R. 257.	°F. VFEAK	°F. VFEAK	G.M.T.		
SUNDAY.		75.1	39.9	h. m.	h. m.	h. m.
		68.0	39.7	5 36	11 57	18 18
		—	—	5 37	12 4	18 31
		69.8	45.6	5 43	— 9	18 34
Weekly Schedule, No. 37 posted.		72.1	43.0	5 55	— 16	18 37
				6 15	— 37	18 59
	258.					
MONDAY.		79.3	35.5	5 37	11 56	18 15
		69.3	38.7	5 39	12 4	18 28
Weekly Barograms, &c., No. 37.		—	—	5 45	— 8	18 31
Send Anemograms, 252-258.		68.9	47.3	5 56	— 16	18 35
		69.3	45.3	6 16	— 36	18 57
	259.					
TUESDAY.		83.2	37.0	5 39	11 56	18 13
		66.5	38.2	5 40	12 3	18 25
		—	—	5 47	— 8	18 27
		69.2	48.9	5 57	— 15	18 32
		70.5	44.0	6 18	— 36	18 54
	260.					
WEDNESDAY.		86.4	34.7	5 40	11 56	18 11
		67.1	34.6	5 43	12 3	18 23
		—	—	5 48	— 7	18 25
		71.7	45.0	5 59	— 15	18 30
		68.1	40.3	6 19	— 36	18 52
	261.					
THURSDAY.		79.0	33.9	5 41	11 55	18 9
		66.5	35.4	5 45	12 3	18 20
Send Curves, 252-257; An. and R., 251-257; Journals, Tabulations, &c., No. 44.		69.4	42.0	5 51	— 7	18 23
		70.9	45.6	6 1	— 15	18 28
				6 20	— 35	18 50
	262.					
FRIDAY.		77.3	38.8	5 43	11 55	18 7
		63.4	38.4	5 47	12 2	18 17
		—	—	5 53	— 7	18 21
		66.0	45.6	6 2	— 14	18 26
		68.2	47.0	6 22	— 35	18 48
	263.					
SATURDAY.		72.0	40.2	5 45	11 54	18 4
		67.7	36.6	5 49	12 2	18 14
Journal, &c., 45.		—	—	5 54	— 6	18 18
		66.9	46.5	6 4	— 14	18 24
		67.3	43.7	6 24	— 34	18 45

FOURTH WEEK OF AUTUMN.				YEAR XXXVI.	WEEK No. 39.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F	hrs. per day.	in.	SUNDAY, 21st SEPTEMBER. St. Matthew.	
0	49·7	2·9	1·26		
E.					
1	50·1	3·4	0·67		
2	52·3	3·9	0·40		
3	53·6	4·4	0·53		
4	52·4	3·9	0·54		
5	55·0	4·5	0·62		
W.				MONDAY, 22nd SEPTEMBER. Bar. 27·135 in. at False Point, Orissa [27·12 in. reduced to sea level], 1885.	
6	51·5	3·5	1·14		
7	52·9	3·7	0·82		
8	54·3	4·2	0·89		
9	52·1	3·4	0·87		
10	53·5	4·1	0·71		
S.				TUESDAY, 23rd SEPTEMBER. James Horsburgh born, 1762.	
11	57·5	5·1	0·77		
				WEDNESDAY, 24th SEPTEMBER.	
				THURSDAY, 25th SEPTEMBER. Magnetic Storm, 1909.	
				FRIDAY, 26th SEPTEMBER.	
				SATURDAY, 27th SEPTEMBER.	

21ST SEPTEMBER TO 27TH SEPTEMBER, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	264.	V FEA K	V FEA K	h. m.	h. m.	h. m.
		71·3	37·9	5 47	11 54	18 1
		63·3	31·4	5 51	12 2	18 12
		—	—	5 56	— 6	18 16
Weekly Schedule, No. 38 posted.		65·8	45·1	6 5	— 13	18 21
		65·3	39·0	6 27	— 34	18 42
264-265.	265.	70·9	36·4	5 48	11 54	17 59
MONDAY.		64·9	31·0	5 53	12 1	18 9
Weekly Barograms, &c., No. 38.		—	—	5 58	— 6	18 13
Send Anemograms, 259-265.		68·8	43·3	6 7	— 13	18 19
		65·1	40·2	6 28	— 34	18 40
	266.	75·3	35·0	5 49	11 53	17 57
TUESDAY.		60·6	34·9	5 55	12 1	18 6
		—	—	6 0	— 5	18 10
		66·9	43·7	6 9	— 13	18 17
		67·5	42·9	6 29	— 33	18 37
266-267.	267.	80·2	37·0	5 51	11 53	17 55
WEDNESDAY.		65·9	33·7	5 58	12 1	18 4
		—	—	6 2	— 5	18 7
		66·6	45·2	6 9	— 12	18 14
		65·8	39·0	6 31	— 33	18 35
	268.	76·9	34·5	5 53	11 53	17 53
THURSDAY.		71·7	34·6	5 59	12 0	18 1
Send Curves, 258-265; An.		—	—	6 4	— 5	18 5
and R., 258-264; Journals,		65·1	43·5	6 11	— 12	18 12
Tabulations, &c., No. 45.		65·6	42·8	6 33	— 33	18 33
268-269.	269.	79·4	35·6	5 54	11 52	17 50
FRIDAY.		70·6	32·5	6 2	12 0	17 58
		—	—	6 6	— 4	18 2
		68·1	39·1	6 13	— 12	18 10
		69·2	42·9	6 34	— 32	18 30
	270.	78·6	33·8	5 56	11 52	17 48
SATURDAY.		70·5	34·3	6 4	12 0	17 56
		—	—	6 8	— 4	18 0
Journal, &c., 46.		70·1	36·0	6 14	— 11	18 8
Report for August issued.		63·7	40·1	6 36	— 32	18 28

FIFTH WEEK OF AUTUMN.				YEAR XXXVI.	WEEK No. 40.
	Normals, 1881-1905.				
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.			Historical Notes.	
N.	°F.	hrs. per day.	in.	SUNDAY, 28th SEPTEMBER.	
0	48·1	2·7	1·37		
E.					
1	48·5	3·2	0·76		
2	50·4	3·6	0·53		
3	51·5	3·9	0·58		
4	50·3	3·5	0·62		
5	52·9	3·9	0·70	MONDAY, 29th SEPTEMBER. Michaelmas. Sir W. J. L. Wharton died, 1905.	
W.					
6	49·9	3·2	1·20		
7	51·1	3·2	0·93		
8	52·4	3·8	1·00		
9	50·3	3·0	0·92		
10	51·6	3·8	0·78		
S.				TUESDAY, 30th SEPTEMBER.	
11	55·7	4·5	0·85		
N.	Normals for October.			WEDNESDAY, 1st OCTOBER.	
0	46·1	2·44	5·46		
E.					
1	45·9	2·80	3·17		
2	48·0	3·07	2·94		
3	48·9	3·39	2·72	THURSDAY, 2nd OCTOBER.	
4	47·8	2·98	2·88		
5	50·3	3·41	3·27		
W.					
6	47·7	2·74	5·00		
7	48·8	2·76	3·97		
8	50·2	3·28	4·54		
9	48·1	2·87	3·86	FRIDAY, 3rd OCTOBER.	
10	49·5	3·30	3·84		
S.					
11	53·7	3·94	3·98		
				SATURDAY, 4th OCTOBER. At Bungay, Suffolk, rain began towards night and continued without intermission (except a few hours on the 6th) till the 10th at noon, 1689.—(LOWE.)	

28TH SEPTEMBER TO 1TH OCTOBER, 1913.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.					
		Highest.	Lowest.						
B. Th.	An. R.	°F	°F.	G.M.T.					
270-271.	271.	VFEAK	VFEAK	h. m.	h. m.	h. m.			
SUNDAY.		75·7	35·3	5 57	11 52	17 46			
		63·0	30·4	6 5	- 59	17 53			
		—	—	6 10	12 4	17 57			
		69·0	41·9	6 16	- 11	18 6			
Weekly Schedule, No. 39 posted.		74·7	43·7	6 37	- 32	18 26			
	272.	73·3	32·9	5 59	11 51	17 43			
MONDAY.		62·6	35·9	6 8	- 59	17 50			
Weekly Barograms, &c., No. 39.		—	—	6 12	12 3	17 55			
Send Anemograms, 266-272.		69·7	39·5	6 18	- 11	18 4			
		69·0	41·6	6 39	- 31	18 23			
272-273.	273.	74·9	35·4	6 1	11 51	17 41			
TUESDAY.		66·7	31·2	6 10	- 59	17 47			
		—	—	6 14	12 3	17 52			
Journals, &c., 47.		66·9	42·6	6 19	- 10	18 1			
		65·9	36·3	6 41	- 31	18 21			
	274.	74·9	35·4	6 3	11 51	17 39			
WEDNESDAY.		63·0	34·0	6 12	- 58	17 44			
		—	—	6 16	12 3	17 50			
		67·0	42·3	6 20	- 10	17 59			
		65·6	43·0	6 43	- 31	18 19			
274-275.	275.	68·7	35·0	6 4	11 50	17 36			
THURSDAY.		69·3	34·0	6 14	- 58	17 41			
Send Curves, 266-271; An.		—	—	6 17	12 2	17 47			
and R., 265-271; Journals,		62·7	40·0	6 22	- 10	17 57			
Tabulations, &c., No. 46.		63·9	38·8	6 44	- 30	18 16			
International Day.									
	276.	71·7	28·1	6 5	11 50	17 34			
FRIDAY.		64·6	35·3	6 16	- 58	17 39			
		—	—	6 19	12 2	17 44			
		64·0	40·4	6 23	- 9	17 55			
		63·4	37·6	6 45	- 30	18 14			
276-277.	277.	76·7	32·9	6 8	11 50	17 32			
SATURDAY.		66·3	32·0	6 18	- 57	17 36			
Journals, &c., 48.		—	—	6 21	12 2	17 42			
Climatological Stations send		63·7	41·2	6 25	- 9	17 53			
Schedules for September.		64·9	39·8	6 47	- 30	18 12			

SIXTH WEEK OF AUTUMN.				YEAR XXXVI.	WEEK No. 41.	
Dist.	Normals, 1881-1905.			Historical Notes.		
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.					
N.	°F	hrs. per day.	in.	SUNDAY, 5th OCTOBER. S.W. gale over most of England. In London 500 houses were destroyed. 1091.—(LOWE.)		
0	46.7	2.5	1.25			
E.	1	46.9	3.0	0.74	MONDAY, 6th OCTOBER. Heinrich Wilhelm Dove born, 1803. Hereford earthquake, 1863 (Q.J.).	
2	48.8	3.3	0.66			
3	49.8	3.6	0.63			
4	48.6	3.2	0.67			
5	51.1	3.6	0.72			
W.	6	48.3	2.9	1.11	TUESDAY, 7th OCTOBER.	
7	49.6	2.9	0.93			
8	50.9	3.5	1.03			
9	48.7	2.9	0.88			
10	50.1	3.5	0.87			
S.	11	54.3	4.2	0.88	WEDNESDAY, 8th OCTOBER.	
				THURSDAY, 9th OCTOBER.		
				FRIDAY, 10th OCTOBER. Buys Ballot born, 1817.		
				SATURDAY, 11th OCTOBER.		

5TH OCTOBER TO 11TH OCTOBER, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F	°F	G.M.T.		
	278.	VFEAK	VFEAK	h. m.	h. m.	h. m.
	SUNDAY.	75.3	31.1	6 10	11 50	17 30
		63.3	32.7	6 20	— 57	17 33
		—	—	6 23	12 1	17 39
		63.4	39.7	6 27	— 9	17 51
	Weekly Schedule, No. 40 posted.	63.9	38.0	6 49	— 30	18 10
278-279.	279.	69.0	30.9	6 11	11 49	17 27
	MONDAY.	62.5	34.4	6 22	— 57	17 31
	Weekly Barograms, &c., No. 40.	—	—	6 25	12 1	17 37
	Send Anemograms, 273-279.	63.7	40.2	6 29	— 9	17 49
		64.4	33.0	6 51	— 29	18 7
	280.	66.4	30.0	6 13	11 49	17 25
	TUESDAY.	70.3	35.3	6 24	— 56	17 29
		—	—	6 27	12 1	17 34
		64.8	42.1	6 30	— 8	17 46
		64.6	37.3	6 53	— 29	18 5
280-281.	281.	70.1	29.0	6 15	11 49	17 23
	WEDNESDAY.	71.0	34.9	6 27	— 56	17 26
		—	—	6 29	12 1	17 32
		64.0	42.5	6 31	— 8	17 44
		61.9	35.6	6 55	— 29	18 3
	282.	69.1	32.0	6 16	11 48	17 20
	THURSDAY.	65.0	33.2	6 29	— 56	17 23
	Send Curves, 272-279; An. and R., 272-278; Journals, Tabulations, &c., Nos. 47 and 48.	62.6	43.6	6 31	12 0	17 29
		61.4	40.2	6 33	— 8	17 42
		—	—	6 56	— 28	18 0
282-283.	283.	64.0	31.4	6 18	11 48	17 18
	FRIDAY.	68.0	33.8	6 31	— 56	17 20
		—	—	6 33	12 0	17 27
		61.6	40.5	6 35	— 7	17 40
		61.5	37.7	6 58	— 28	17 58
	284.	64.6	33.4	6 20	11 48	17 16
	SATURDAY.	59.0	32.9	6 33	— 55	17 17
	Journals, &c., 49.	—	—	6 35	12 0	17 24
		64.0	35.0	6 36	— 7	17 38
		62.5	35.0	7 0	— 28	17 55

SEVENTH WEEK OF AUTUMN.				YEAR XXXVI.	WEEK No. 42.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 12th OCTOBER.	
0	45·6	2·5	1·10		
E.					
1	45·4	2·8	0·66		
2	47·5	3·0	0·74		
3	48·3	3·3	0·65		
4	47·2	3·0	0·66		
5	49·7	3·4	0·73	MONDAY, 13th OCTOBER. 13th-14th, Gale over the British Isles, 1881. (M.O. 46 and Q.J.)	
W.					
6	47·1	2·7	1·02		
7	48·3	2·7	0·86		
8	49·7	3·3	1·01		
9	47·5	3·0	0·81		
10	48·9	3·3	0·88		
S.				TUESDAY, 14th OCTOBER. Sir Edward Sabine born, 1788.	
11	53·2	4·0	0·92		
				WEDNESDAY, 15th OCTOBER. New Style introduced in Rome, Spain, Portugal, and part of Italy by Pope Gregory XIII. in 1582, when the 15th October followed the 5th.	
				THURSDAY, 16th OCTOBER. Daily telegraphic reports first received at the Office from Iceland and the Faroe, 1906.	
				FRIDAY, 17th OCTOBER. René Antoine Ferchault de Réaumur died, 1757.	
				SATURDAY, 18th OCTOBER. St. Luke.	

12TH OCTOBER TO 18TH OCTOBER, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
284-285.	SUNDAY.	VFEAK	VFEAK	h. m.	h. m.	h. m.
		63.9	30.1	6 22	11 48	17 14
		65.3	31.0	6 35	- 55	17 14
		—	—	6 37	- 59	17 21
		61.7	35.8	6 38	12 7	17 36
		62.2	40.7	7 2	- 28	17 53
Weekly Schedule, No. 41 posted.						
	286.	65.5	28.2	6 23	11 47	17 11
	MONDAY.	59.4	32.7	6 38	- 55	17 12
Weekly Barograms, &c., No. 41.		—	—	6 39	- 59	17 19
Send Anemograms, 280-286.		61.1	36.8	6 39	12 7	17 34
Winter Cards to be used in the Sun Recorder to-day and until 28th February, 1914.		61.4	39.0	7 4	- 27	17 50
286-287.	287.	65.0	30.2	6 25	11 47	17 9
	TUESDAY.	59.9	33.9	6 40	- 55	17 9
		—	—	6 41	- 59	17 16
		62.6	39.5	6 40	12 6	17 32
		60.4	37.3	7 6	- 27	17 48
	288.	64.2	30.8	6 27	11 47	17 7
	WEDNESDAY.	60.1	32.3	6 42	- 54	17 6
		—	—	6 43	- 59	17 14
		63.7	35.0	6 42	12 6	17 30
		61.4	38.4	7 8	- 27	17 46
288-289.	289.	65.3	30.0	6 28	11 47	17 5
	THURSDAY.	60.7	31.7	6 44	- 54	17 3
Send Curves, 280-285; An. and R., 279-285; Journals, Tabulations, &c., No. 49.		—	—	6 45	- 59	17 12
		62.8	37.3	6 44	12 6	17 28
		61.1	38.1	7 9	- 27	17 44
	290.	69.1	25.4	6 29	11 46	17 3
	FRIDAY.	60.2	32.0	6 46	- 54	17 1
		—	—	6 47	- 58	17 9
		61.5	38.7	6 46	12 6	17 26
		59.6	36.0	7 10	- 26	17 42
290-291.	291.	65.4	29.0	6 31	11 46	17 1
	SATURDAY.	58.3	32.9	6 49	- 54	16 59
Journals, &c., 50.		—	—	6 49	- 58	17 7
		60.0	36.6	6 48	12 6	17 24
		62.9	31.6	7 12	- 26	17 40

EIGHTH WEEK OF AUTUMN.				YEAR XXXVI.	WEEK No. 43.		
Dist.	Normals, 1881-1905.			Historical Notes.			
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.						
N.	°F.	hrs. per day.	in.	SUNDAY, 19th OCTOBER.			
0	44.9	2.3	1.19				
E.	1	43.9	2.6			0.68	
2	46.4	2.7	0.73				
3	47.1	3.0	0.62				
4	46.1	2.6	0.65	MONDAY, 20th OCTOBER.			
5	48.6	3.0	0.77				
W.	6	46.1	2.5			1.11	
7	47.2	2.5	0.86				
8	48.8	2.9	1.03				
9	46.6	2.8	0.85	TUESDAY, 21st OCTOBER.			
10	48.1	3.0	0.89				
S.	11	52.3	3.5			0.92	
						WEDNESDAY, 22nd OCTOBER. Henry Toynbee born, 1819.	
				THURSDAY, 23rd OCTOBER.			
				FRIDAY, 24th OCTOBER.			
				SATURDAY, 25th OCTOBER. Great gale in London [<i>see</i> 26th], 1665. 25th-26th, "Royal Charter" storm, Irish Sea, 1859.			

19TH OCTOBER TO 25TH OCTOBER, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	292.	V F E A K	V F E A K	h. m.	h. m.	h. m.
		65.5	29.8	6 32	11 46	17 0
		63.9	29.6	6 51	- 54	16 56
		60.2	37.2	6 51	- 58	17 4
		62.0	29.8	6 49	12 5	17 21
Weekly Schedule, No. 42 posted.				7 13	- 26	17 38
292-293.	293.	59.9	32.8	6 34	11 46	16 58
MONDAY.		60.7	28.3	6 53	- 53	16 53
Weekly Barograms, &c., No. 42. Send Anemograms, 287-293.		59.8	37.6	6 53	- 58	17 2
		62.6	34.9	6 51	12 5	17 19
				7 15	- 26	17 36
294.	294.	64.9	31.3	6 36	11 46	16 56
TUESDAY.		60.7	32.7	6 55	- 53	16 51
		62.2	38.6	6 55	- 58	17 0
		60.5	35.7	6 52	12 5	17 17
				7 17	- 26	17 34
294-295.	295.	63.9	27.4	6 38	11 46	16 53
WEDNESDAY.		60.2	30.0	6 57	- 53	16 48
		60.4	37.0	6 57	- 57	16 57
		60.1	36.0	6 54	12 5	17 15
				7 19	- 26	17 32
296.	296.	62.1	29.2	6 40	11 45	16 50
THURSDAY.		58.8	27.8	7 0	- 53	16 46
Send Curves, 286-293; An. and R., 286-292; Journals, Tabulations, &c., No. 50.		60.8	32.9	6 59	- 57	16 54
		58.6	33.4	6 56	12 5	17 13
				7 21	- 25	17 30
296-297.	297.	59.7	28.6	6 42	11 45	16 48
FRIDAY.		57.6	31.5	7 2	- 53	16 44
		59.7	32.2	7 1	- 57	16 52
		58.0	33.0	6 58	12 5	17 11
				7 23	- 25	17 28
298.	298.	61.2	29.7	6 43	11 45	16 46
SATURDAY.		56.5	29.3	7 4	- 53	16 41
		59.8	35.1	7 4	- 57	16 50
Journals, &c., 51.		60.0	32.9	6 59	12 4	17 9
				7 24	- 25	17 26

NINTH WEEK OF AUTUMN.			YEAR XXXVI.		WEEK No. 44.
Normals, 1881-1905.			Historical Notes.		
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	ins.		
N.				SUNDAY, 26th OCTOBER.	
0	44.0	1.8	1.29	"In the evening [bar. in London] very near at 27½ ins., wind quiet."— <i>Phil. Trans.</i>	
E.				In the morning it had been 28 ins. and on the day before 28½ ins. in the morning, with much rain and a great storm.	
1	43.2	2.1	0.76	"At Bristol [bar.] in the evening remarkably low, only 27½ ins.; 25th, a.m., 28½, 26th, a.m., 28 ins. (sea level)."—DR. BEAL. 1665. (LOWE.)	
2	45.6	2.3	0.66		
3	46.3	2.7	0.57		
4	45.4	2.2	0.66		
5	48.0	2.6	0.81		
W.				MONDAY, 27th OCTOBER.	
6	45.8	2.1	1.30		
7	46.6	2.1	0.91		
8	48.2	2.5	1.10		
9	46.1	2.4	0.94		
10	47.6	2.6	0.97		
S.				TUESDAY, 28th OCTOBER. St. Simon and St. Jude.	
11	51.6	3.0	0.95		
N.				WEDNESDAY, 29th OCTOBER.	
0	42.2	1.20	5.52	Edmund Halley born, 1656.	
E.				Tornado at Camberwell, 1898 (Q.J.)	
1	41.4	1.68	3.02		
2	43.2	1.83	2.40		
3	43.4	2.11	2.19		
4	42.7	1.76	2.44	THURSDAY, 30th OCTOBER.	
5	45.1	2.04	2.94	Hereford earthquake, 1868 (S.M.).	
W.					
6	43.8	1.57	5.36		
7	44.3	1.64	3.59		
8	45.9	2.06	4.24		
9	44.1	1.91	3.95	FRIDAY, 31st OCTOBER.	
10	45.6	2.21	4.14	Sir William Reid died, 1858.	
S.				Third Earl of Rosse died, 1867.	
11	49.5	2.45	3.85		
				SATURDAY, 1st NOVEMBER. All Hallows.	
				Balfour Stewart born, 1828.	
				Frost lasted from 1st November, 1076 to 15th April, 1077.—(ANDREWS.)	
				Great Earthquake of Lisbon, 1755.	

26TH OCTOBER TO 1ST NOVEMBER, 1913.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th. 298-299.	An. R. 299.	°F. VFEAK	°F. VFEAK	G.M.T.	
	SUNDAY.	61.6	25.3	h. m.	h. m.
		60.3	29.0	6 45	11 45
				7 6	52 16 45
				7 6	57 16 48
		61.3	33.1	7 0	12 4 17 7
		61.3	34.0	26	25 17 24
Weekly Schedule, No. 43 posted.					
	300.	66.9	28.1	6 47	11 45
	MONDAY.	62.4	30.0	7 8	52 16 35
				7 8	57 16 46
	Weekly Barograms, &c., No. 43.	62.1	35.7	7 2	12 4 17 5
	Send Anemograms, 294-300.	61.4	33.1	7 28	25 17 22
	Reports for September issued.				
300-301.	301.	63.6	25.1	6 49	11 45
	TUESDAY.	59.2	30.6	7 11	52 16 33
				7 10	57 16 44
		60.5	35.2	7 4	12 4 17 4
		60.4	31.0	7 30	25 17 20
	302.	63.5	27.1	6 50	11 45
	WEDNESDAY.	58.8	31.4	7 13	52 16 30
				7 12	57 16 41
		59.0	35.0	7 6	12 4 17 2
		62.1	35.1	7 31	25 17 19
302-303.	303.	62.1	26.4	6 52	11 45
	THURSDAY.	57.4	32.0	7 15	52 16 28
				7 14	57 16 39
	Send Curves, 294-299; An. and R., 293-299; Journals, Tabulations, &c., No. 51.	59.1	34.5	7 7	12 4 17 0
		59.3	32.9	7 33	25 17 17
	304.	62.1	26.7	6 54	11 45
	FRIDAY.	57.3	31.6	7 18	52 16 26
				7 17	57 16 37
	Journals, &c., 52.	58.9	34.8	7 9	12 4 16 58
		59.5	34.1	7 35	25 17 15
304-305.	305.	61.9	28.9	6 56	11 45
	SATURDAY.	57.4	30.0	7 20	52 16 24
				7 18	56 16 34
	Journals, &c., 53.	59.0	34.9	7 11	12 4 16 57
		59.0	37.0	7 37	25 17 13

TENTH WEEK OF AUTUMN.				YEAR XXXVI.	WEEK No. 45.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	ins.	SUNDAY, 2nd NOVEMBER. Henry John Stephen Smith born, 1826.	
0	43.5	1.4	1.26		
E.	1	42.8	1.9	0.76	MONDAY, 3rd NOVEMBER.
	2	44.6	1.9	0.58	
	3	45.1	2.5	0.53	
	4	44.3	1.9	0.63	
	5	46.9	2.3	0.77	
W.	6	44.9	1.7	1.32	TUESDAY, 4th NOVEMBER.
	7	45.7	1.8	0.87	
	8	47.4	2.2	1.08	
	9	45.3	2.1	0.96	
	10	46.8	2.4	1.03	
S.	11	50.8	2.7	0.99	WEDNESDAY, 5th NOVEMBER. Léon Philippe Teisserenc de Bort born, 1855.
				THURSDAY, 6th NOVEMBER. Flood. London Bridge swept away by the force of the waters, 1091.—(LOWE.)	
				FRIDAY, 7th NOVEMBER.	
				SATURDAY, 8th NOVEMBER.	

2ND NOVEMBER TO 8TH NOVEMBER, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
		VFEAK	VFEAK	h. m.	h. m.	h. m.
SUNDAY.	306.	59.6	26.4	6 58	11 45	16 32
		59.5	27.3	7 22	- 52	16 22
		—	—	7 20	- 56	16 32
		59.1	36.3	7 13	12 4	16 55
	Weekly Schedule, No. 44 posted.	59.2	35.0	7 39	- 25	17 11
306-307.	307.					
MONDAY.		61.0	31.8	7 0	11 45	16 30
		56.9	26.3	7 24	- 52	16 20
		—	—	7 12	- 56	16 30
	Weekly Barograms, &c., No. 44.	59.0	36.0	7 14	12 4	16 54
	Send Anemograms, 301-307.	58.0	31.4	7 41	- 25	17 9
	308.					
TUESDAY.		60.8	28.2	7 2	11 45	16 28
		56.1	31.3	7 26	- 52	16 18
		—	—	7 24	- 56	16 28
	Climatological Stations send Schedules for October.	59.1	36.9	7 16	12 4	16 52
		58.6	30.1	7 43	- 25	17 7
308-309.	309.					
WEDNESDAY.		61.5	30.6	7 4	11 45	16 26
		59.4	28.5	7 20	- 52	16 15
		—	—	7 26	- 56	16 26
		58.7	37.0	7 18	12 4	16 50
	International Day.	59.0	32.1	7 45	- 25	17 5
	310.					
THURSDAY.		59.4	29.0	7 6	11 45	16 25
		61.0	30.4	7 31	- 52	16 13
		—	—	7 29	- 57	16 25
	Send Curves, 300-307; An. and R., 300-306; Journals, Tabulations, &c., Nos. 52 and 53.	57.7	37.4	7 19	12 4	16 49
	International Day.	59.0	28.2	7 46	- 25	17 4
310-311.	311.					
FRIDAY.		59.1	25.6	7 8	11 45	16 24
		60.7	30.0	7 34	- 52	16 10
		—	—	7 31	- 57	16 23
		58.9	35.0	7 21	12 4	16 47
	International Day.	58.7	34.0	7 47	- 25	17 3
	312.					
SATURDAY.		57.0	29.7	7 10	11 45	16 22
		54.6	31.1	7 36	- 52	16 8
		—	—	7 33	- 57	16 21
		60.2	35.5	7 22	12 4	16 46
	Journals, &c., 54.	59.4	34.1	7 49	- 25	17 1

ELEVENTH WEEK OF AUTUMN.				YEAR XXXVI.	WEEK No. 46.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 9th NOVEMBER.	
0	42.4	1.1	1.23		
E.					
1	41.6	1.7	0.70		
2	43.2	1.8	0.56		
3	43.4	2.1	0.50		
4	42.7	1.7	0.55		
5	45.2	2.0	0.66	MONDAY, 10th NOVEMBER.	
W.					
6	43.8	1.5	1.22		
7	44.2	1.6	0.80		
8	46.0	2.1	0.94		
9	44.0	2.0	0.93		
10	45.5	2.3	0.99		
S.				TUESDAY, 11th NOVEMBER. Martinmas. 11th to 13th, slow travelling depression with heavy rainfall, 4 in., 1901 (L.H.).	
11	49.6	2.5	0.89		
				WEDNESDAY, 12th NOVEMBER. 8.03 in. rain at Seathwaite, 1897.	
				THURSDAY, 13th NOVEMBER.	
				FRIDAY, 14th NOVEMBER. Balaklava storm, 1854.	
				SATURDAY, 15th NOVEMBER.	

9TH NOVEMBER TO 15TH NOVEMBER, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
R. Th. 312-313.	An. R. 313.	°F. VFEAK	°F. VFEAK	G.M.T.		
		56.7	28.3	h. m.	h. m.	h. m.
	SUNDAY.	57.0	29.1	7 11	11 45	16 20
		—	—	7 38	— 52	16 6
		59.0	32.1	7 35	— 57	16 19
Weekly Schedule, No. 45 posted.		61.5	29.9	7 24	12 4	16 44
				7 51	— 25	16 59
	314.	59.2	25.5	7 12	11 45	16 18
MONDAY.		58.4	23.6	7 40	— 52	16 4
Weekly Barograms, &c., No. 45.		—	—	7 37	— 57	16 17
Send Anemograms, 308-314.		58.1	32.0	7 26	12 4	16 42
		59.5	35.3	7 53	— 25	16 57
314-315.	315.	57.7	27.3	7 13	11 45	16 17
TUESDAY.		55.9	23.0	7 42	— 52	16 2
		—	—	7 39	— 57	16 15
		58.2	36.3	7 27	12 4	16 41
		59.2	34.3	7 55	— 25	16 55
	316.	58.2	27.6	7 15	11 45	16 15
WEDNESDAY.		55.6	30.4	7 45	— 53	16 0
		—	—	7 41	— 57	16 13
		59.0	32.8	7 29	12 4	16 40
		57.4	33.8	7 57	— 25	16 53
316-317.	317.	59.9	23.5	7 17	11 45	16 14
THURSDAY.		56.3	28.2	7 47	— 53	15 58
Send Curves, 308-313; An. and R., 307-313; Journals, Tabulations, &c., No. 54.		58.2	36.5	7 43	— 57	16 11
		59.5	33.4	7 31	12 5	16 39
				7 59	— 25	16 52
	318.	62.9	23.0	7 19	11 46	16 13
FRIDAY.		57.5	28.6	7 49	— 53	15 56
		—	—	7 45	— 57	16 9
		57.4	33.9	7 33	12 5	16 37
		59.3	32.2	8 1	— 26	16 51
318-319.	319.	59.0	24.2	7 21	11 46	16 11
SATURDAY.		53.8	26.7	7 52	— 53	15 54
		—	—	7 47	— 57	16 7
Journals, &c., 55.		58.9	34.2	7 34	12 5	16 36
		56.8	33.0	8 3	— 26	16 49

TWELFTH WEEK OF AUTUMN.				YEAR XXXVI.	WEEK No. 47.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.		
0	41.1	1.0	1.28	SUNDAY, 16th NOVEMBER. 16th-20th, great Storm over the British Isles, 1893. (Q.J.)	
E.					
1	40.3	1.5	0.64		
2	42.0	1.7	0.53		
3	41.8	1.8	0.47		
4	41.4	1.6	0.50		
5	43.6	1.8	0.59		
W.				MONDAY, 17th NOVEMBER. Fourth Earl of Rosse born, 1840. 9 p.m., wind velocity of 70 miles per hour [factor 2.2] at Deerness, 1893.	
6	42.7	1.4	1.19		
7	43.0	1.5	0.79		
8	44.6	1.9	0.88		
9	43.1	1.7	0.90		
10	44.5	2.0	0.91		
S.				TUESDAY, 18th NOVEMBER. Wind velocity of 88 miles per hour [factor 2.2] at Fleetwood, 1893.	
11	48.3	2.2	0.79		
				WEDNESDAY, 19th NOVEMBER.	
				THURSDAY, 20th NOVEMBER.	
				FRIDAY, 21st NOVEMBER.	
				SATURDAY, 22nd NOVEMBER. Frost from November 22nd, 1879, to February 2nd, 1880.—(ANDREWS.)	

16TH NOVEMBER TO 22ND NOVEMBER, 1913.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th.	An. R.	°F.	°F.	G.M.T.	
		V F E A K	V F E A K	h. m.	h. m.
SUNDAY.	320.	61.6	21.9	7 22	11 46
		56.5	23.7	7 54	- 53
		—	—	7 49	- 58
		60.0	32.9	7 36	12 5
Weekly Schedule, No. 46 posted.		57.2	32.6	8 4	- 26
320-321.	321.	57.2	24.9	7 24	11 46
MONDAY.		57.1	23.0	7 56	- 53
		—	—	7 51	- 58
Weekly Barograms, &c, No. 46.		57.0	35.4	7 37	12 5
Send Anemograms, 315-321.		57.3	34.6	8 6	- 26
	322.	58.1	24.6	7 25	11 46
TUESDAY.		52.0	21.3	7 58	- 54
		—	—	7 53	- 58
		56.9	33.0	7 39	12 5
		57.3	32.3	8 7	- 26
322-323.	323.	55.9	20.2	7 27	11 46
WEDNESDAY.		58.4	26.0	8 0	- 54
		—	—	7 55	- 58
		55.4	35.0	7 41	12 6
		56.6	32.6	8 9	- 26
	324.	56.5	25.0	7 29	11 47
THURSDAY.		56.9	19.6	8 2	- 54
		—	—	7 57	- 58
Send Curves, 314-321; An. and R., 314-320; Journals, Tabulations, &c., No. 55.		56.3	32.3	7 42	12 6
		55.4	29.7	8 11	- 27
324-325.	325.	54.0	27.0	7 30	11 47
FRIDAY.		53.0	14.2	8 4	- 54
		—	—	7 59	- 59
		58.2	31.0	7 44	12 6
		56.9	29.1	8 12	- 27
	326.	58.3	25.2	7 32	11 47
SATURDAY.		56.9	28.6	8 7	- 55
		—	—	8 1	- 59
Journals, &c., 56.		57.3	33.6	7 45	12 6
		54.9	30.9	8 14	- 27

THIRTEENTH WEEK OF AUTUMN.				YEAR XXXVI.	WEEK No. 48.
Normals, 1881-1905.					
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.			Historical Notes.	
N.	°F.	hrs. per day.	in.	SUNDAY, 23rd NOVEMBER.	
0	40.3	0.9	1.41		
E.					
1	39.3	1.3	0.69		
2	41.1	1.5	0.49		
3	40.7	1.5	0.50		
4	40.4	1.4	0.53		
5	42.4	1.6	0.64	MONDAY, 24th NOVEMBER. River frozen below London Bridge to Gravesend, from November 24th, 1433, to February 10th, 1434.—(LOWE.) Fair on the river Thames, 1715. Frost lasted till February 9th, 1716.—(LOWE.)	
W.				TUESDAY, 25th NOVEMBER.	
6	42.2	1.2	1.25		
7	42.3	1.3	0.86		
8	43.7	1.7	1.00		
9	42.3	1.5	0.87		
10	43.8	1.8	0.92		
S.					
11	47.3	2.0	0.90		
				WEDNESDAY, 26th NOVEMBER. Defoe's Great Storm, South of England, 1703.— (<i>Phil. Trans.</i>)	
				THURSDAY, 27th NOVEMBER. Anders Celsius born, 1701.	
				FRIDAY, 28th NOVEMBER. Luke Howard born, 1772.	
				SATURDAY, 29th NOVEMBER.	

23RD NOVEMBER TO 29TH NOVEMBER, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
326-327.	327.	VFEAK	VFEAK	h. m.	h. m.	h. m.
		58.3	25.6	7 33	11 47	16 1
	SUNDAY.	57.1	29.6	8 9	- 55	15 41
		—	—	8 2	- 59	15 56
		55.8	33.0	7 47	12 7	16 26
Weekly Schedule, No. 47 posted.		55.4	32.7	8 15	- 27	16 39
	328.					
	MONDAY.	55.0	26.8	7 35	11 48	16 0
		56.7	28.0	8 11	- 55	15 39
Weekly Barograms, &c., No. 47.		—	—	8 4	- 59	15 54
Send Anemograms, 322-328.		56.0	32.8	7 49	12 7	16 25
		55.3	30.6	8 17	- 28	16 38
328-329.	329.					
	TUESDAY.	55.7	25.6	7 37	11 48	15 59
		54.3	29.2	8 13	- 55	15 37
		—	—	8 7	12 0	15 53
		55.3	34.5	7 50	- 7	16 24
		55.3	31.6	8 19	- 28	16 37
	330.					
	WEDNESDAY.	55.9	25.5	7 38	11 48	15 58
		55.5	29.1	8 15	- 56	15 36
		—	—	8 9	12 0	15 52
		56.0	29.0	7 52	- 8	16 24
		56.1	31.7	8 20	- 28	16 36
330-331.	331.					
	THURSDAY.	56.0	23.2	7 40	11 49	15 57
		55.0	26.3	8 17	- 56	15 35
Send Curves, 322-327; An. and R., 321-327; Journals, Tabulations, &c., No. 56.		55.7	27.4	8 10	12 0	15 50
Report for October issued.		55.0	28.7	7 53	- 8	16 23
				8 22	- 29	16 35
	332.					
	FRIDAY.	57.6	21.5	7 42	11 49	15 56
		57.5	23.5	8 19	- 56	15 34
		—	—	8 12	12 1	15 49
		56.5	25.0	7 54	- 8	16 22
		56.5	29.2	8 24	12 29	16 34
332-333.	333.					
	SATURDAY.	57.4	21.6	7 43	11 49	15 55
		55.4	21.0	8 21	- 57	15 33
		—	—	8 14	12 1	15 48
Journals, &c., 57.		55.6	22.4	7 56	- 9	16 21
		56.5	29.6	8 25	- 29	16 33

FIRST WEEK OF WINTER.				YEAR XXXVI.	WEEK No. 49.		
Dist.	Normals, 1881-1905.			Historical Notes.			
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.						
N.	°F.	hrs. per day.	in.	SUNDAY, 30th NOVEMBER. William Gilbert of Colchester died, 1603. Frost lasted from November 30th, 1269, to February 2nd, 1270.—(ANDREWS.)			
0	39.8	0.7	1.54				
E.	1	38.4	1.1			0.78	
	2	40.1	1.3			0.55	
	3	39.8	1.4			0.54	
	4	39.6	1.3	0.60	MONDAY, 1st DECEMBER. River Thames partially frozen over. "In this frost skates were introduced into England from Holland," 1662.—(LOWE.)		
	5	41.7	1.5	0.71			
W.	6	41.6	1.1	1.35			
	7	41.5	1.1	0.90			
	8	43.1	1.6	1.16			
	9	41.5	1.4	0.91	TUESDAY, 2nd DECEMBER.		
	10	43.3	1.6	1.01			
S.	11	46.8	1.9	1.06			
N.	Normals for December.			WEDNESDAY, 3rd DECEMBER. "Ellan Vannin" storm. Irish Sea, 1909.			
0	39.0	0.63	5.86				
E.	1	37.7	1.00			2.93	
	2	39.1	1.22			2.22	
	3	38.7	1.39			1.94	
	4	38.5	1.17	2.34	THURSDAY, 4th DECEMBER. -18° at Killoe House, Berwickshire, 1879.		
	5	40.7	1.45	2.56			
W.	6	40.5	0.97	5.36			
	7	40.4	1.02	3.36			
	8	42.3	1.47	4.49			
	9	41.1	1.24	3.80	FRIDAY, 5th DECEMBER.		
	10	42.9	1.52	4.53			
S.	11	46.6	1.85	3.87			
				SATURDAY, 6th DECEMBER. Frost lasted from December 6th, 1353, to March 12th, 1354.—(ANDREWS.)			

30TH NOVEMBER TO 6TH DECEMBER, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
		V F E A K	V F E A K	h. m.	h. m.	h. m.
SUNDAY.		58.4	21.5	7 45	11 50	15 55
Journals, &c., 58.		49.8	11.0	8 22	— 57	15 32
Weekly Schedule, No. 48 posted.		—	—	8 15	12 1	15 47
		55.2	28.5	7 53	— 9	16 20
		55.6	33.4	8 27	— 30	16 33
334-335.		55.0	24.7	7 46	11 50	15 55
MONDAY.		53.6	18.2	8 24	— 57	15 31
Weekly Barograms, &c., No. 48.		—	—	8 17	12 2	15 46
Send Anemograms, 329-335.		55.6	29.1	7 59	— 9	16 19
		55.3	31.2	8 28	— 30	16 32
336.		55.8	18.0	7 47	11 50	15 54
TUESDAY.		52.4	19.5	8 26	— 58	15 30
		—	—	8 19	12 2	15 45
		57.9	28.4	8 1	— 10	16 19
		54.8	29.9	8 29	— 30	16 31
336-337.		55.7	18.3	7 49	11 51	15 53
WEDNESDAY.		54.0	14.6	8 27	— 58	15 29
		—	—	8 21	12 3	15 45
		55.0	26.9	8 2	— 10	16 18
		55.7	32.2	8 31	— 31	16 31
338.		56.3	21.0	7 50	11 51	15 53
THURSDAY.		54.9	14.6	8 29	— 59	15 28
Send Curves, 328-335; An. and R., 328-334; Journals, Tabulations, &c., No. 57.		—	—	8 22	12 3	15 44
Climatological Stations send Schedules for November.		55.6	27.9	8 3	— 10	16 17
International Day.		54.7	29.4	8 32	— 31	16 30
338-339.		57.3	23.0	7 51	11 52	15 53
FRIDAY.		56.0	24.5	8 31	— 59	15 27
		—	—	8 23	12 3	15 43
		55.9	27.6	8 4	— 11	16 17
		55.8	31.3	8 34	— 32	16 30
340.		55.9	18.0	7 52	11 52	15 52
SATURDAY.		54.2	24.7	8 32	— 59	15 26
		—	—	8 25	12 4	15 43
Journals, &c.		56.2	27.2	8 5	— 11	16 16
		55.0	29.8	8 35	— 32	16 29

SECOND WEEK OF WINTER.				YEAR XXXVI.	WEEK No. 50.	
Dist.	Normals, 1881-1905.			Historical Notes.		
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.					
N.	°F	hrs. per day.	in.	SUNDAY, 7th DECEMBER. Sir George Howard Darwin died, 1912. Suspension of the issue of "Cautionary Storm Warnings" by the Meteorological Department of the Board of Trade, 1866.		
0	39.0	0.6	1.42			
E.						
1	37.9	1.0	0.68			
2	39.2	1.2	0.58			
	3	39.0	1.4	0.46	MONDAY, 8th DECEMBER. 8th and 9th, Storm and low barometer over the British Islands; 27.38 in. at Belfast, 1886. (Q.J.)	
	4	38.8	1.2	0.54		
	5	41.1	1.5	0.60		
W.						
6	40.8	1.0	1.25			
	7	40.6	1.0	0.79	TUESDAY, 9th DECEMBER.	
	8	42.6	1.5	1.06		
	9	41.1	1.3	0.88		
	10	43.0	1.6	1.03		
S.						
11	47.0	1.8	0.93	WEDNESDAY, 10th DECEMBER. Frost lasted from December 10th, 1149, to February 19th, 1150.—(ANDREWS.) Loss of balloon "Saladin" with Mr. Walter Powell, M.P.—(Annual Report, 1881-82.)		
N.	Normals for Winter.					
0	38.2	1.16	16.26			
E.						
1	37.5	1.67	7.63			
	2	38.7	1.76	5.41	THURSDAY, 11th DECEMBER.	
	3	38.4	1.96	5.11		
	4	38.3	1.67	6.30		
	5	39.9	1.91	6.76		
W.						
6	39.8	1.46	13.69	FRIDAY, 12th DECEMBER.		
	7	39.9	1.55			8.68
	8	41.5	1.94			11.07
	9	40.8	1.67			9.96
	10	42.4	1.95			11.67
S.				SATURDAY, 13th DECEMBER. Johann von Lamont born, 1805.		
11	44.7	2.41	9.41			

7TH DECEMBER TO 13TH DECEMBER, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 40-341.	An. R. 341.	°F. VFEAK	°F. VFEAK	G.M.T.		
SUNDAY.		54.3	13.5	h. m.	h. m.	h. m.
		50.7	24.3	7 54	11 53	15 52
		—	—	8 34	12 0	15 25
		55.1	29.2	8 26	— 4	15 42
		53.9	31.3	8 7	— 12	16 16
Weekly Schedule, No. 49 posted.		—	—	8 37	— 33	16 29
342.		54.1	21.8	7 55	11 53	15 51
MONDAY.		53.5	20.2	8 36	12 0	15 24
Weekly Barograms, &c., No 49.		—	—	8 28	— 5	15 42
Send Anemograms, 336-342.		54.6	29.0	8 8	— 12	16 16
		55.0	30.5	8 38	— 33	16 28
343.		54.6	23.3	7 56	11 53	15 51
TUESDAY.		53.0	26.7	8 38	12 1	15 24
		—	—	8 29	— 5	15 41
		53.8	27.2	8 9	— 13	16 16
		53.8	30.1	8 39	— 33	16 28
344.		55.5	20.5	7 57	11 54	15 51
WEDNESDAY.		52.4	21.5	8 39	12 1	15 23
		—	—	8 31	— 6	15 41
		54.6	26.5	8 10	— 13	16 16
		54.4	30.9	8 40	— 34	16 28
345.		54.7	19.7	7 58	11 54	15 51
THURSDAY.		55.6	21.0	8 40	12 2	15 23
Send Curves, 336-341; An. and R., 335-341; Journals, Tabulations, &c., Nos. 58 and 59.		54.2	24.0	8 32	— 6	15 40
		54.8	29.5	8 11	— 13	16 15
		—	—	8 41	— 34	16 27
346.		55.1	22.9	7 59	11 55	15 50
FRIDAY.		54.2	13.3	8 41	12 2	15 23
		—	—	8 33	— 6	15 39
		54.3	26.0	8 12	— 14	16 15
		54.3	28.7	8 42	— 35	16 27
347.		55.8	16.4	8 0	11 55	15 50
SATURDAY.		54.0	13.0	8 42	12 2	15 22
		—	—	8 35	— 7	15 39
Journals, &c., 60.		54.6	34.0	8 13	— 14	16 15
		54.7	27.7	8 43	— 35	16 27

THIRD WEEK OF WINTER.				YEAR XXXVI.	WEEK No. 51.
		Normals, 1881-1905.		Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 14th DECEMBER.	
0	38·7	0·5	1·20		
E.					
1	37·3	0·9	0·57		
2	38·5	1·1	0·49		
3	38·1	1·3	0·35		
4	38·0	1·1	0·46		
5	40·2	1·4	0·48	MONDAY, 15th DECEMBER.	
W.					
6	40·0	0·9	1·10		
7	39·7	1·0	0·65		
8	41·9	1·4	0·91		
9	40·9	1·1	0·81		
10	42·7	1·5	1·01		
S.				TUESDAY, 16th DECEMBER. Sir Francis Beaufort died, 1857. Barometer 31·72 in. at Semipalatinsk ; 31·63 in. at Barnaul, 1877.	
11	47·0	1·8	0·74		
				WEDNESDAY, 17th DECEMBER. William Thomson, Lord Kelvin, died, 1907. Hereford earthquake, 1896.—(DAVISON.)	
				THURSDAY, 18th DECEMBER.	
				FRIDAY, 19th DECEMBER. Balfour Stewart died, 1887.	
				SATURDAY, 20th DECEMBER. Barometer 31·717 in. at Irkutsk, 1896. Severe frost from December 20th, 1860, to January 5th, 1861.—(ANDREWS.)	

14TH DECEMBER TO 20TH DECEMBER, 1913.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise. Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	348.	VFEAK	VFEAK	h. m.	h. m.	h. m.
		53·8	16·7	8 1	11 56	15 50
		52·3	12·0	8 44	12 3	15 22
		—	—	8 35	— 7	15 39
Weekly Schedule, No. 50 posted.		54·6	29·0	8 14	— 15	16 15
		54·4	27·4	8 44	— 36	16 27
348-349.	349.					
MONDAY.		54·0	21·2	8 2	11 56	15 50
		51·2	9·0	8 44	12 3	15 22
Weekly Barograms, &c., No. 50.		54·0	31·0	8 36	— 8	15 40
Send Anemograms, 343-349.		54·2	33·6	8 15	— 15	16 15
				8 45	— 36	16 27
	350.					
TUESDAY.		56·1	23·6	8 3	11 57	15 50
		56·2	28·3	8 46	12 4	15 22
		—	—	8 37	— 8	15 40
		56·2	27·9	8 16	— 16	16 15
		54·6	31·6	8 46	— 37	16 27
350-351.	351.					
WEDNESDAY.		54·7	21·9	8 4	11 57	15 50
		53·8	24·4	8 46	12 4	15 22
		—	—	8 38	— 9	15 40
		55·1	29·0	8 16	— 16	16 15
		54·0	29·1	8 47	— 37	16 27
	352.					
THURSDAY.		55·1	24·0	8 5	11 58	15 51
		54·8	16·8	8 48	12 5	15 22
		—	—	8 38	— 9	15 40
Send Curves, 342-349; An.		53·7	29·8	8 17	— 17	16 16
and R., 342-348; Journals,		54·5	28·7	8 48	— 38	16 28
Tabulations, &c., No. 60.						
352-353.	353.					
FRIDAY.		53·2	22·1	8 5	11 58	15 51
		49·9	15·6	8 48	12 5	15 22
		—	—	8 39	— 10	15 41
		53·7	26·9	8 18	— 17	16 16
		53·0	26·8	8 48	— 38	16 28
	354.					
SATURDAY.		53·7	15·5	8 6	11 59	15 52
		52·5	12·5	8 49	12 6	15 23
		—	—	8 40	— 10	15 40
Journals, &c., 61.		55·5	25·0	8 19	— 18	16 17
		55·5	26·9	8 49	— 39	16 29

FOURTH WEEK OF WINTER,				YEAR XXXVI.	WEEK No. 52.	
Dist.	Normals, 1881-1905.			Historical Notes.		
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.					
N.	°F.	hrs. per day.	in.	SUNDAY, 21st DECEMBER. St. Thomas. St. Lucia. 21st and 22nd, Gale over the British Isles. Hourly wind velocity of 78½ miles per hour, at Fleetwood, 1894.—(Q.J.)		
0	38·3	0·6	1·14			
E.						
1	36·8	0·9	0·61			
2	38·0	1·1	0·40			
	3	37·5	1·3	0·39	MONDAY, 22nd DECEMBER. Frost began in London and lasted 120 days, 987-988.—(LOWE.) Earthquake in Turkestan, 1906.	
	4	37·4	1·1	0·52		
	5	39·6	1·4	0·52		
W.						
6	39·2	0·9	1·14			
	7	39·3	0·9	0·67	TUESDAY, 23rd DECEMBER.	
	8	41·4	1·4	0·94		
	9	40·6	1·1	0·83		
	10	42·5	1·4	1·07		
S.						
	11	45·7	1·9	0·77	WEDNESDAY, 24th DECEMBER. Very high tide in London; the River Thames flowed into Westminster Hall, 1736.—(Baker's "Record of the Seasons.")	
				THURSDAY, 25th DECEMBER. Christmas Day. Thames frozen below London Bridge to Gravesend, from December 25th, 1434, to February 11th, 1435.—(ANDREWS.)		
				FRIDAY, 26th DECEMBER. St. Stephen.		
				SATURDAY, 27th DECEMBER. St. John. Barometer 27·98 in. at Culloden, 1852. "Great fog commenced in London, and the greatest frost of the century set in," 1813.—(ANDREWS.)		

21ST DECEMBER TO 27TH DECEMBER, 1913.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th. 354-355.	An. R. 355.	°F. VFEAK 52·7	°F. VFEAK 18·6	G.M.T.	
SUNDAY.		50·3	13·1	h. m.	h. m.
		—	—	8 6	11 59
		54·1	27·5	8 49	12 6
		54·5	29·6	8 41	11 15
				8 19	18 16
				8 49	39 16
Weekly Schedule, No. 51 posted.					
	356.	53·9	10·8	8 7	12 0
MONDAY.		52·6	21·0	8 50	7 15
Weekly Barograms, &c., No. 51.		—	—	8 41	11 15
Send Anemograms, 350-356.		54·9	29·9	8 20	19 16
		54·0	31·5	8 50	40 16
356-357.	357.	54·0	16·9	8 7	12 0
TUESDAY.		52·6	14·8	8 50	7 15
		—	—	8 42	12 15
		53·6	33·0	8 20	19 16
		53·2	28·0	8 50	40 16
	358.	51·8	14·7	8 8	12 1
WEDNESDAY.		51·1	20·0	8 51	8 15
Weekly Report for Week 51 issued.		—	—	8 42	12 15
Report for November issued.		52·6	32·4	8 21	20 16
		54·6	29·7	8 51	41 16
358-359.	359.	52·5	16·0	8 8	12 1
THURSDAY.		54·0	19·5	8 51	8 15
M.O. Press closed.		—	—	8 42	13 15
Send Curves, 350-355; An. and R., 349-355; Journals, Tabulations, &c., No. 61.		53·7	31·2	8 21	20 16
		54·5	33·5	8 51	41 16
	360.	53·1	21·8	8 8	12 2
FRIDAY.		54·6	20·2	8 52	9 15
		—	—	8 42	13 15
M.O. Press closed.		53·9	30·5	8 22	21 16
		54·2	33·4	8 51	42 16
360-361.	361.	57·1	17·9	8 9	12 2
SATURDAY.		51·8	16·0	8 52	9 15
Daily Report for 26th and 27th issued.		—	—	8 43	14 15
Journals, &c., 62.		55·9	26·8	8 22	21 16
		54·7	28·7	8 51	42 16

FIFTH WEEK OF WINTER.				YEAR XXXVI.	WEEK NO. 53.	
Dist.	Normals, 1881-1905.			Historical Notes.		
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.					
N.	°F.	hrs. per day.	in.	SUNDAY, 28th DECEMBER. Innocents Day. Tay Bridge storm, 1879. Messina earthquake, 1908.		
0	38.1	0.6	1.09			
E.						
1	36.6	0.9	0.60			
2	37.9	1.1	0.42			
	3	37.4	1.3	0.45	MONDAY, 29th DECEMBER. Low barometric pressure over the British Isles, 1899.	
	4	37.3	1.1	0.55		
	5	39.4	1.4	0.54		
W.						
6	39.0	0.9	1.09			
	7	39.2	1.0	0.68	TUESDAY, 30th DECEMBER.	
	8	41.2	1.4	0.91		
	9	40.4	1.2	0.81		
	10	42.3	1.4	1.05		
S.						
11	45.1	1.9	0.80	WEDNESDAY, 31st DECEMBER. Football "plaied" on the Thames between London Bridge and Westminster, 1564.—(ANDREWS.) Barometer 27.63 in. at the Hoy Low Lighthouse, Orkney, 1865. Evening attendance at the Meteorological Office for the issue of Storm Warnings commenced, 1875.		
				THURSDAY, 1st JANUARY, 1914.		
				FRIDAY, 2nd JANUARY.		
				SATURDAY, 3rd JANUARY.		

28TH DECEMBER, 1913, TO 3RD JANUARY, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
		VFEAK	VFEAK	h. m.	h. m.	h. m.
SUNDAY.		362.	362.	8 9	12 3	15 57
		55.3	24.4	8 52	- 10	15 28
		51.4	22.2	8 43	- 14	15 45
		55.0	26.6	8 22	- 22	16 22
Weekly Schedule, No. 52 posted		55.3	30.3	8 51	- 43	16 35
362-363.		363.	363.	8 9	12 3	15 58
MONDAY.		54.0	20.0	8 52	- 10	15 28
		50.0	21.0	8 43	- 15	15 47
Weekly Barograms, &c., No. 52.		55.0	29.0	8 22	- 22	16 22
Send Anemograms, 357-363.		53.8	32.4	8 51	- 43	16 36
Daily Report for 25th and 29th issued.						
364-365.		364.	364.	8 9	12 4	15 59
TUESDAY.		54.4	18.0	8 52	- 11	15 30
		49.5	25.9	8 43	- 15	15 48
Daily Report for 28th and 30th issued.		55.8	25.0	8 22	- 23	16 23
		53.6	30.9	8 51	- 44	16 37
364-365.		365.	365.	8 9	12 4	15 59
WEDNESDAY.		54.7	17.0	8 52	- 11	15 30
		50.4	15.8	8 43	- 16	15 48
		55.5	25.9	8 22	- 23	16 24
Journal, &c., No. 63.		54.1	29.4	8 51	- 44	16 37
1.		55.0	17.1	8 9	12 5	16 1
THURSDAY.		55.9	16.7	8 51	- 12	15 31
		54.7	28.2	8 42	- 16	15 49
Send Curves 356-363; An. and R., 356-362; Journals, Tabulations, &c., No. 62.		54.7	31.8	8 22	- 24	16 25
				8 51	12 45	16 38
1-2.		52.4	14.9	8 9	12 5	16 1
FRIDAY.		52.7	22.2	8 51	- 12	15 32
		53.2	25.2	8 42	- 17	15 49
		54.7	30.0	8 22	- 24	16 26
				8 51	12 45	16 39
SATURDAY.		53.7	20.7	8 9	12 6	16 2
		49.6	18.1	8 51	- 13	15 34
Journals, &c., No. 1.		54.4	25.9	8 42	- 17	15 50
Climatological Stations send Schedules for December.		55.0	29.4	8 22	- 25	16 27
				8 51	12 46	16 40

NOTES.

The following abbreviations are used :

For publications in which account is given of the prominent meteorological occurrences mentioned in the Calendar :—

- Andrews. Famous Frosts and Frost Fairs in Great Britain.
By William Andrews.
F.W. Forecasting Weather. By W. N. Shaw.
L.H. Life History of Surface Air Currents. M.O.
Publication 174.
Lowe. Natural Phenomena and Chronology of the
Seasons. By E. J. Lowe.
M.O. One of the numbered publications of the Meteorological Office.
M.W.R. Monthly Weather Report.
Q.J. Quarterly Journal of the Royal Meteorological Society.
Q.W.R. Quarterly Weather Report.
S.M. Symons's Meteorological Magazine.
W.W.R. Weekly Weather Report.

For the Observatories arranged in order of longitude from the East :—

- K. Kew ; A. Aberdeen ; E. Eskdale ; F. Falmouth ; V. Valencia.

For the traces from self-recording instruments at the Observatories :—

- B. Photo-barogram.
Th. Photo-thermogram.
An. Anemogram.
R. Raingauge trace. Hyetogram.

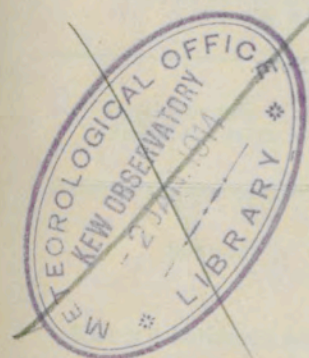
The names of the Saints' days referred to in Mr. Inwards' "Weather Lore" are inserted, as they formed part of the calendar in practical use before the introduction of the New Style.

With reference to the comparison of the temperature of the air with the mean for the week, it should be noted that, on the average, the temperature at the Observatories passes approximately through the mean value for the day at the following hours of G.M.T. :—

—	Winter.	Spring.	Summer.	Autumn.
Kew	10h. 20h.	9h. 20½h.	9h. 20½h.	9h. 20h.
Aberdeen	10½h. 20h.	8½h. 20h.	7½h. 20½h.	9h. 19h.
Eskdalemuir	10h. 19h.	8h. 20h.	8h. 20h.	9h. 19½h.
Falmouth	10h. 19h.	8½h. 19½h.	8h. 19½h.	8½h. 19h.
Valencia	10h. 19h.	9h. 20h.	8½h. 20½h.	9h. 19h.

M.O. 213.

METEOROLOGICAL OFFICE, LONDON.



1914.

CALENDAR

WITH

NOTES AND DIARY OF OPERATIONS

FOR

THE USE OF OBSERVERS.

Issued by the Authority of the Meteorological Committee.



LONDON:

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S
STATIONERY OFFICE

By DARLING AND SON, LTD., 34-40, BACON STREET, E.

And to be purchased from
THE METEOROLOGICAL OFFICE, EXHIBITION ROAD, LONDON, S.W.

1913.

Price One Shilling.

FIFTH WEEK OF WINTER.				YEAR XXXVII.	WEEK No. 53.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
0	37.8	0.7	1.09	SUNDAY, 28th DECEMBER.	
1	36.4	1.0	0.60		
2	37.8	1.1	0.42		
3	37.3	1.3	0.45		
4	37.2	1.2	0.55	MONDAY, 29th DECEMBER.	
5	39.1	1.4	0.54		
6	38.7	1.0	1.09		
7	39.1	1.0	0.68		
8	41.0	1.5	0.91		
9	40.2	1.2	0.81		
10	42.0	1.5	1.05	TUESDAY, 30th DECEMBER.	
11	44.5	1.8	0.80		
Normals for January.				WEDNESDAY, 31st DECEMBER.	
N. 0	38.4	0.82	5.92		
E. 1	37.5	1.37	2.57		
2	38.6	1.37	1.77		
3	38.0	1.68	1.74		
4	38.1	1.42	2.17		
5	39.7	1.60	2.27		
W. 6	39.7	1.19	4.69	THURSDAY, 1st JANUARY, 1914.	
7	39.7	1.22	3.03	New Year's Day (England since 1751, Scotland since 1600).	
8	41.4	1.63	3.67	Publication by "The Times" of 6 p.m. Weather Map, 1876.	
9	40.7	1.38	3.45		
10	42.4	1.65	4.00		
S. 11	44.4	2.08	3.04	FRIDAY, 2nd JANUARY.	
				George Biddell Airy died, 1892.	
				Léon Teisserenc de Bort died, 1913.	
				SATURDAY, 3rd JANUARY.	
				First meeting of the Meteorological Committee of the Royal Society, 1867.	

28TH DECEMBER, 1913, TO 3RD JANUARY, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F	°F.	G.M.T.		
SUNDAY.	362.	VFEAK	VFEAK	h. m.	h. m.	h. m.
		55.3	24.4	8 9	12 3	15 57
		51.4	22.2	8 52	- 10	15 28
		—	—	8 43	- 14	15 45
		55.0	26.6	8 22	- 22	16 22
		55.3	30.3	8 51	- 43	16 35
Weekly Schedule, 52 posted.						
362-363.	363.	54.0	20.0	8 9	12 3	15 58
MONDAY.		50.0	21.0	8 52	- 10	15 28
Send Anemograms 357-363;		—	—	8 43	- 15	15 47
Weekly Barograms, etc., 52.		55.0	29.0	8 22	- 22	16 22
		53.8	32.4	8 51	- 43	16 36
	364.	54.4	18.0	8 9	12 4	15 59
TUESDAY.		49.5	25.9	8 52	- 11	15 30
		—	—	8 43	- 15	15 47
		55.8	25.0	8 22	- 23	16 24
		53.6	30.9	8 51	- 44	16 37
364-365.	365.	54.7	17.0	8 9	12 4	15 59
WEDNESDAY.		50.4	15.8	8 52	- 11	15 30
Journal, Tabulation, Cloud and Weather, 63.		—	—	8 43	- 16	15 49
Electrical Material for Hourly Values completed to 30th September.		55.5	25.9	8 22	- 23	16 24
		54.1	29.4	8 51	- 44	16 37
	1.	55.0	17.1	8 9	12 5	16 1
THURSDAY.		55.9	16.7	8 51	- 12	15 33
Send B. Th. Curves, 356-363; An. and R., 356-362; Journals, Tabulations, Clouds and Weather Sheets, 62.		54.7	28.2	8 43	- 16	15 49
		54.7	31.8	8 22	- 24	16 26
				8 51	- 45	16 38
1-2.	2.	52.4	14.9	8 9	12 5	16 1
FRIDAY.		52.7	22.2	8 51	- 12	15 33
		—	—	8 43	- 17	15 51
		53.2	25.2	8 22	- 24	16 26
		54.7	30.0	8 51	- 45	16 39
	3.	53.7	20.7	8 9	12 6	16 2
SATURDAY.		49.6	18.1	8 51	- 13	15 35
Journal, Tabulations, Cloud and Weather, 1.		—	—	8 42	- 17	15 52
Electrical, Seismological, and Magnetic Tabulations, 356-363.		54.4	25.9	8 22	- 25	16 28
		55.0	29.4	8 51	- 46	16 40
Climatological Stations send Schedules for December.						

SIXTH WEEK OF WINTER.				YEAR XXXVII.	WEEK NO. 1.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 4th JANUARY.	
0	38.0	0.8	1.14		
E.					
1	36.8	1.1	0.54		
2	38.1	1.1	0.46		
3	37.3	1.4	0.39		
4	37.4	1.3	0.46		
5	39.1	1.5	0.50		
W.				MONDAY, 5th JANUARY. Epiphany. Twelfth Day. Frost very intense in London; temperature 8° below zero. The longest frost on record, and the ice on the River Thames 11 in. thick. There were shops on the river till February. 1684.—(LOWE.)	
6	39.2	1.1	0.98		
7	39.3	1.1	0.62		
8	41.0	1.5	0.78		
9	40.4	1.3	0.74		
10	42.1	1.6	0.91		
S.				TUESDAY, 6th JANUARY. Benjamin Franklin born, 1706. Abbott Lawrence Rotch born, 1861. Beginning of two days' hurricane over British Isles, 1839. Many fatalities. Greatest hourly wind velocity 1906, 29.1 metres per sec. (65 mls. per hr.), Falmouth.	
11	44.2	2.0	0.69		
				WEDNESDAY, 7th JANUARY. Beginning of 21 days of severe frost, 1881 (Q. J.). End of two days hurricane over British Isles, 1839. Barometer 27.69 in. at Aberdeen.	
				THURSDAY, 8th JANUARY. W. or W.S.W. gale, 1735. So violent a one has not been known since the memorable one of November, 1703.—(LOWE.) Barometer 31.046 in. at Gordon Castle at 9 a.m., 1820.	
				FRIDAY, 9th JANUARY. Barometer (sea level) 31.108, Ochertyre 9 a.m. 31.106, Fort William, 1896.	
				SATURDAY, 10th JANUARY. Reports by radio-telegraphy from Atlantic liners begun, 1909.	

4TH JANUARY TO 10TH JANUARY, 1914.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th. 3-4.	An. R. 4.	°F. VFEAK	°F. VFEAK	G.M.T.	
SUNDAY.		53.0	16.2	h. m.	h. m.
		47.7	28.1	8 9	12 6
		—	—	8 50	13 15
		54.1	21.5	8 42	18 15
Weekly Schedule, 53 posted.		53.4	26.4	8 22	25 16
				8 50	46 16
MONDAY.		52.6	13.1	8 8	12 6
		50.1	12.7	8 49	14 15
Send Anemograms, 364-5; Weekly Barograms, etc., 53.		—	—	8 41	18 15
Send Curves and Tabulations for December.		53.7	19.1	8 22	26 16
		53.0	23.5	8 50	46 16
TUESDAY.		53.7	19.7	8 7	12 7
		50.7	12.4	8 48	14 15
		—	—	8 41	19 15
		54.1	20.7	8 21	26 16
		53.8	21.1	8 50	47 16
WEDNESDAY.		53.8	15.8	8 7	12 7
		52.3	11.0	8 48	15 15
		—	—	8 40	19 15
		53.0	24.1	8 21	27 16
		52.9	27.5	8 49	47 16
THURSDAY.		53.3	16.3	8 7	12 8
		54.1	16.0	8 47	15 15
Send B. Th. Curves, 364-4; An. and R., 363-4; Journals, &c., 63 and 1.		—	—	8 40	20 16
		54.9	25.6	8 20	27 16
		53.2	28.7	8 49	48 16
FRIDAY.		52.9	21.5	8 6	12 8
		57.5	11.6	8 47	16 15
International Day.		—	—	8 39	20 16
		52.8	28.6	8 20	27 16
		53.6	29.3	8 48	48 16
SATURDAY.		53.2	15.2	8 6	12 9
		48.8	13.4	8 46	16 15
Journal, Tabulations, &c., 2. Electrical, Seismological, and Magnetic Tabulations, 364-4.		—	—	8 38	20 16
		53.0	25.1	8 20	28 16
		52.4	29.9	8 48	49 16

SEVENTH WEEK OF WINTER.				YEAR XXXVII.	WEEK No. 2.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 11th JANUARY.	
0	38·9	0·8	1·45		
E.					
1	38·1	1·4	0·58		
2	38·9	1·4	0·40		
3	38·1	1·6	0·36		
4	38·3	1·4	0·44		
5	39·8	1·6	0·49	MONDAY, 12th JANUARY.	
W.					
6	40·3	1·2	1·06		
7	40·0	1·2	0·68		
8	41·6	1·6	0·78		
9	41·0	1·4	0·76		
10	42·8	1·6	0·85	TUESDAY, 13th JANUARY.	
S.					
11	44·4	2·0	0·62		
				WEDNESDAY, 14th JANUARY. 1st January (Old Style) in Russian Empire, &c. Edmund Halley died, 1724. Matthew Fontaine Maury born, 1806.	
				THURSDAY, 15th JANUARY.	
				FRIDAY, 16th JANUARY.	
				SATURDAY, 17th JANUARY. Low temperatures 1881. — 15° Stobo, — 16° Kelso, — 22° Blackadder. Sir Francis Galton died, 1911.	

11TH JANUARY TO 17TH JANUARY, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	11.	V F E A K	V F E A K	h. m.	h. m.	h. m.
		51·7	13·3	8 5	12 9	16 13
		50·7	11·2	8 44	- 16	15 48
		—	—	8 38	- 21	16 4
		53·0	26·5	8 19	- 28	16 37
Weekly Schedule, 1 posted.		54·0	29·6	8 47	- 49	16 51
11-12.	12.	54·2	19·1	8 4	12 9	16 14
MONDAY.		54·1	23·4	8 44	- 17	15 50
Send Anemograms, 6-12;		53·7	24·7	8 36	- 21	16 6
Weekly Barograms, etc., 1.		53·6	29·8	8 19	- 29	16 39
				8 47	- 49	16 52
	13.	54·8	19·7	8 4	12 10	16 16
TUESDAY.		51·4	17·0	8 42	- 17	15 52
		53·9	28·0	8 36	- 22	16 8
		53·2	27·7	8 18	- 29	16 40
				8 46	- 50	16 54
13-14.	14.	51·8	12·0	8 3	12 10	16 17
WEDNESDAY.		54·6	14·4	8 42	- 18	15 54
		53·2	27·7	8 35	- 22	16 9
		54·0	31·4	8 17	- 29	16 41
				8 45	- 50	16 55
	15.	54·1	10·9	8 2	12 10	16 18
THURSDAY.		53·1	22·4	8 40	- 18	15 56
Send B. Th. Curves, 5-12;		54·0	26·0	8 33	- 22	16 11
An. R., 5-11; Journal, &c., 2.		54·0	28·7	8 17	- 30	16 43
				8 44	- 50	16 56
15-16.	16.	53·1	15·1	8 2	12 11	16 20
FRIDAY.		52·0	16·7	8 39	- 18	15 57
		53·0	27·8	8 33	- 23	16 13
		54·4	25·5	8 15	- 30	16 45
				8 43	- 51	16 58
		51·8	9·4	8 1	12 11	16 22
SATURDAY.		51·4	6·0	8 38	- 19	16 0
Journal, Tabulations, &c., 3.		—	—	8 32	- 23	16 14
Electrical, Seismological, and		53·7	26·8	8 14	- 30	16 46
Magnetic Tabulations, 5-12.		54·1	30·6	8 42	- 51	17 0

EIGHTH WEEK OF WINTER.				YEAR XXXVII.	WEEK No. 3.		
Dist.	Normals, 1881-1905.			Historical Notes.			
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.						
N.	°F.	hrs. per day.	in.	SUNDAY, 18th JANUARY. Great Snowstorm in South (London milk supply curtailed), 1881. Warren de la Rue born, 1815. Capt. Scott reached South Pole, 1912. (Scott's Last Expedition.)			
0	38.9	0.9	1.63				
E.	1	38.6	1.7			0.61	
2	39.4	1.7	0.34				
3	38.9	2.1	0.38				
4	39.1	1.7	0.50	MONDAY, 19th JANUARY.			
5	40.3	1.8	0.51				
W	6	40.7	1.3			1.12	
7	40.3	1.4	0.75				
8	41.9	1.8	0.85				
9	41.1	1.5	0.81	TUESDAY, 20th JANUARY. William Ferrel born, 1817.			
10	42.9	1.8	0.84				
S.	11	44.7	2.2			0.65	
						WEDNESDAY, 21st JANUARY;	
				THURSDAY, 22nd JANUARY. St. Vincent. "Now," says Evelyn, "was the Thames frozen over, with horrid tempests of wind." 1649. (LOWE.)			
				FRIDAY, 23rd JANUARY.			
				SATURDAY, 24th JANUARY.			

18TH JANUARY TO 24TH JANUARY, 1914.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B. Th. 17-18.	An. R. 18.		°F. VFEAK	°F. VFEAK	G.M.T.				
	SUNDAY.		53.1	20.5	h. m.	h. m.	h. m.	h. m.	h. m.
			57.1	7.5	8 0	12 11	16 24	8 37	- 19 16 1
			53.4	22.4	8 30	- 23	16 16	8 14	- 31 16 48
	Weekly Schedule, 2 posted.		54.3	27.7	8 41	- 51	17 2		
		19.							
	MONDAY.		55.5	20.8	7 58	12 12	16 26	8 35	- 19 16 3
	Send Anemograms, 13-19;		59.0	19.0	8 29	- 24	16 19	8 13	- 31 16 49
	Weekly Barograms, etc., 2.		54.2	24.9	8 40	- 52	17 4		
			54.6	27.4					
		20.							
19-20.	TUESDAY.		53.8	15.0	7 57	12 12	16 27	8 34	- 20 16 6
			50.6	20.6	8 28	- 24	16 20	8 11	- 31 16 51
			53.0	25.7	8 39	- 52	17 5		
			53.3	26.5					
		21.							
	WEDNESDAY.		55.4	16.0	7 56	12 12	16 28	8 32	- 20 16 8
			51.4	17.9	8 26	- 24	16 22	8 11	- 32 16 53
			53.9	23.0	8 38	- 52	17 6		
			55.1	24.6					
		22.							
21-22.	THURSDAY.		54.7	16.1	7 55	12 13	16 30	8 30	- 20 16 10
	Send B. Th. Curves, 13-18;		54.0	24.4	8 24	- 24	16 24	8 10	- 32 16 54
	An. R., 12-18; Journal, &c., 3.		52.7	22.8	8 37	- 53	17 8		
			54.4	25.6					
		23.							
	FRIDAY.		54.2	25.0	7 54	12 13	16 32	8 28	- 20 16 12
			53.0	16.8	8 24	- 25	16 26	8 8	- 32 16 56
			53.4	26.2	8 36	- 53	17 10		
			54.6	27.4					
		24.							
23-24.	SATURDAY.		53.0	22.7	7 53	12 13	16 33	8 27	- 21 16 15
			53.3	16.0	8 22	- 25	16 28	8 7	- 32 16 57
	Journal, Tabulations, &c., 4.		52.6	26.9	8 35	- 53	17 11		
	Electrical, Seismological, and Magnetic Tabulations, 13-18.		53.4	24.7					

NINTH WEEK OF WINTER.				YEAR XXXVII.	WEEK No. 4.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 25th JANUARY. St. Paul.	
0	37.9	1.2	1.43		
E.					
1	37.8	2.0	0.57		
2	39.2	2.0	0.36		
3	38.9	2.4	0.38		
4	39.1	1.9	0.51		
5	40.4	2.0	0.53	MONDAY, 26th JANUARY. Great Snowstorm, Barometer 27.332 in. (Sea level), Ochertyre, 1884.	
W.					
6	39.9	1.6	1.03		
7	40.0	1.6	0.70		
8	41.6	2.0	0.82		
9	40.7	1.7	0.77		
10	42.4	2.0	0.82		
S.				TUESDAY, 27th JANUARY. Meteorological Society Incorporated by Royal Charter, 1866. End of 21 days' spell of severe frost, 1881.	
11	44.4	2.5	0.66		
				WEDNESDAY, 28th JANUARY.	
				THURSDAY, 29th JANUARY.	
				FRIDAY, 30th JANUARY.	
				SATURDAY, 31st JANUARY. Barometer (Sea level) 31.110 in., Aberdeen, 1902.	

25TH JANUARY TO 31ST JANUARY, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	25.	V FEA K	V FEA K	h. m.	h. m.	h. m.
		54.1	19.0	7 52	12 13	16 34
		52.0	19.4	8 25	- 21	16 17
		—	—	8 20	- 25	16 30
		53.9	25.0	8 7	- 33	16 59
Weekly Schedule, 3 posted.		53.4	28.6	8 34	- 53	17 12
25-26.	26.	50.6	18.0	7 51	12 14	16 36
MONDAY.		52.7	17.3	8 23	- 21	16 19
Send Anemograms, 20-26; Weekly Barograms, etc., 3.		—	—	8 19	- 25	16 31
		53.1	26.0	8 5	- 33	17 1
		52.8	30.8	8 33	- 54	17 14
	27.	51.3	18.9	7 50	12 14	16 38
TUESDAY.		51.0	18.0	8 21	- 21	16 21
Report for December issued		—	—	8 18	- 26	16 34
		53.2	26.2	8 4	- 33	17 2
		53.2	32.2	8 32	- 54	17 16
27-28.	28.	51.4	18.9	7 48	12 14	16 40
WEDNESDAY.		50.7	18.7	8 19	- 21	16 23
		—	—	8 16	- 26	16 36
		53.9	27.2	8 2	- 33	17 4
		52.6	28.8	8 30	- 54	17 18
	29.	54.0	20.6	7 47	12 14	16 42
THURSDAY.		56.9	18.9	8 18	- 22	16 26
Send B. Th. Curves, 19-26; An. R., 19-25; Journal, &c., 4.		—	—	8 14	- 26	16 38
		53.0	25.1	8 2	- 34	17 6
		53.6	27.0	8 28	- 54	17 20
29-30.	30.	54.6	22.7	7 45	12 14	16 44
FRIDAY.		54.4	22.3	8 16	- 22	16 28
		—	—	8 12	- 26	16 40
		53.0	26.6	8 0	- 34	17 8
		54.5	28.9	8 27	- 54	17 22
	31.	55.0	24.3	7 44	12 15	16 46
SATURDAY.		57.1	25.7	8 14	- 22	16 30
Journal, Tabulations, &c., 5. Electrical, Seismological, and Magnetic Tabulations, 19-26. Material for Geophysical Journal for November, 1913, due at M.O.		—	—	8 10	- 26	16 42
		53.2	25.9	7 59	- 34	17 9
		53.1	27.8	8 26	- 55	17 24

TENTH WEEK OF WINTER.				YEAR XXXVII.	WEEK No. 5.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 1st FEBRUARY. St. Bridget or Bride. Matthew Fontaine Maury died, 1873. First telegraphic report from Azores (Delgada), 1894.	
0	37.2	1.6	1.24		
E.					
1	36.9	2.4	0.55		
2	38.7	2.5	0.38		
3	38.4	2.5	0.37		
4	38.6	2.2	0.47		
5	40.0	2.2	0.52	MONDAY, 2nd FEBRUARY. Purification of the B.V.M. Candlemas. Sir G. G. Stokes died, 1903.	
W.					
6	38.6	2.0	0.98		
7	39.6	2.0	0.62		
8	41.2	2.3	0.76		
9	40.4	2.1	0.71		
10	42.1	2.3	0.80		
S.				TUESDAY, 3rd FEBRUARY. Buys Ballot died, 1890.	
11	44.0	2.8	0.64		
N.	Normals for February.			WEDNESDAY, 4th FEBRUARY. Reports by radiotelegraphy from H.M. Ships begun, 1907.	
0	37.6	1.97	4.65		
E.					
1	37.0	2.60	2.20		
2	38.6	2.65	1.47		
3	38.5	2.80	1.48		
4	38.6	2.40	1.83	THURSDAY, 5th FEBRUARY. First cautionary or "Storm Signal" made, 1861. Barometer 27.33, S.S. "Tarifa," 51°N., 24°W., 1870.	
5	39.9	2.66	1.98		
W.					
6	39.0	2.19	3.81		
7	39.5	2.37	2.40		
8	41.1	2.69	3.03		
9	40.5	2.38	2.80		
10	42.1	2.66	3.23		
S.				FRIDAY, 6th FEBRUARY. St. Dorothea. "One of the coldest days, they say, ever felt in England." 1665.—(PEPYS.)	
11	44.0	3.27	2.61		
				SATURDAY, 7th FEBRUARY. Temperature -10° at Barkby, near Leicester, 1895. James Glaisher died, 1903.	

1st FEBRUARY TO 7th FEBRUARY, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 31-32.	An. R. 32.	°F. VFEAK	°F. VFEAK	G.M.T.		
	SUNDAY.	56.3	24.6	h. m.	h. m.	h. m.
		55.3	27.0	7 42	12 15	16 48
				8 12	- 22	16 32
				8 9	- 27	16 45
				7 57	- 34	17 11
				8 25	- 55	17 25
Weekly Schedule, 4 posted.		52.9	25.9			
		53.0	27.8			
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12
		52.0	31.5	8 23	- 55	17 27
	MONDAY.	53.5	21.6	7 40	12 15	16 50
		52.1	24.0	8 10	- 22	16 34
				8 7	- 27	16 47
		52.9	26.0	7 56	- 34	17 12

ELEVENTH WEEK OF WINTER.				YEAR XXXVII.		WEEK No. 6.	
Normals, 1881-1905.				Historical Notes.			
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.						
N.	°F.	hrs. per day.	in.	SUNDAY, 8th FEBRUARY. Beginning of 14 days' frost with skating on the Serpentine. Temperature—12° Braemar, 1895. Line squall, 1906 (Q.J.).			
0	37.4	2.0	1.13				
E.							
1	36.7	2.7	0.53				
2	38.4	2.7	0.35				
3	38.2	2.8	0.36	MONDAY, 9th FEBRUARY. Professor H. J. S. Smith died, 1883.			
4	38.4	2.4	0.43				
5	39.7	2.6	0.47				
W.							
6	38.8	2.2	0.94				
7	39.3	2.4	0.55	TUESDAY, 10th FEBRUARY.			
8	41.0	2.6	0.72				
9	40.4	2.4	0.65				
10	41.9	2.6	0.78				
S.							
11	43.9	3.2	0.64	WEDNESDAY, 11th FEBRUARY. Temperature—17° Braemar, 1895.			
				THURSDAY, 12th FEBRUARY. St. Eulalie. Sir R. Strachey died, 1908.			
				FRIDAY, 13th FEBRUARY.			
				SATURDAY, 14th FEBRUARY. St. Valentine. Great Snowstorm: snow drifts several yards deep, 1698.—(LOWE.)			

8TH FEBRUARY TO 14TH FEBRUARY, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	39.	VFEAK	VFEAK	h. m.	h. m.	h. m.
		53.4	11.6	7 31	12 15	16 59
		51.5	7.4	7 57	— 23	16 49
		—	—	7 55	— 27	16 59
		54.4	27.7	7 47	— 35	17 23
		52.7	32.1	8 12	— 55	17 38
Weekly Schedule, 5 posted.						
39-40.	40.	57.0	11.7	7 29	12 15	17 1
MONDAY.		53.4	6.5	7 55	— 23	16 51
		—	—	7 53	— 27	17 1
Send Anemograms, 34-40 ;		56.4	30.7	7 45	— 35	17 25
Weekly Barograms, etc., 5.		53.0	32.8	8 10	— 55	17 40
	41.	62.3	18.7	7 27	12 15	17 3
TUESDAY.		52.4	8.0	7 53	— 23	16 53
		—	—	7 51	— 27	17 3
		57.6	29.2	7 43	— 35	17 27
		53.5	30.0	8 8	— 55	17 42
41-42.	42.	55.5	20.7	7 25	12 15	17 5
WEDNESDAY.		54.5	14.3	7 51	— 23	16 55
		—	—	7 49	— 27	17 5
		53.4	30.0	7 42	— 35	17 28
		53.5	29.6	8 6	— 55	17 44
	43.	56.3	17.2	7 23	12 15	17 7
THURSDAY.		52.7	17.9	7 48	— 23	16 58
Send B. Th. Curves, 33-40 ;		—	—	7 46	— 27	17 8
An. R., 33-39; Journal, &c.,		53.7	26.0	7 40	— 35	17 30
6.		53.3	27.0	8 4	— 55	17 46
43-44.	44.	54.8	14.9	7 21	12 15	17 9
FRIDAY.		51.4	11.5	7 46	— 23	17 0
		—	—	7 44	— 27	17 10
		54.0	28.0	7 38	— 35	17 32
		53.3	26.6	8 2	— 55	17 48
	45.	54.6	20.1	7 19	12 15	17 11
SATURDAY.		50.7	23.1	7 44	— 23	17 2
Journal, &c., 7.		—	—	7 42	— 27	17 12
Electrical, Seismological, and		55.2	31.4	7 36	— 35	17 34
Magnetic Tabulations, 33-40.		54.3	26.8	8 0	— 55	17 50

TWELFTH WEEK OF WINTER.				YEAR XXXVII.	WEEK No. 7.
	Normals, 1881-1905.			Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 15th FEBRUARY. John Hadley died, 1744. Full service of telegraphic reports from Iceland. 1907.	
0	37.9	2.3	0.94		
E.					
1	36.9	2.7	0.50		
2	38.5	2.7	0.33		
3	38.4	2.9	0.33	MONDAY, 16th FEBRUARY. Sir F. Galton born, 1822.	
4	38.5	2.5	0.40		
5	39.8	3.0	0.43		
W.					
6	38.9	2.2	0.83		
7	39.4	2.6	0.52	TUESDAY, 17th FEBRUARY.	
8	41.0	2.9	0.68		
9	40.5	2.6	0.63		
10	42.1	2.9	0.67		
S.					
11	44.0	3.6	0.60	WEDNESDAY, 18th FEBRUARY. Ice 10 in. thick, Regent's Park, 1895.	
				THURSDAY, 19th FEBRUARY. Ice 7½ in. thick, Serpentine, 1895. (Q.J.) Strongest gust 1910, 38.9 metres per sec. (87 mls. per hr.), Pendennis.	
				FRIDAY, 20th FEBRUARY. Ice 7½ in. thick, Serpentine, 1895. (Q.J.) "Berlin" wrecked, North Sea, 1907.	
				SATURDAY, 21st FEBRUARY. End of 14 days' frost with skating on Serpentine, 1895. Greatest hourly wind velocity, 1910, 28.2 metres per sec. (63 mls. per hr.), strongest gust 38 metres per sec. (85 mls. per hr.), Southport. (See also Dec. 16.)	

15TH FEBRUARY TO 21ST FEBRUARY, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 45-46.	An. R. 46.	°F. VFEAK 53.4 56.4 — 53.9 52.7	°F. VFEAK 26.1 18.0 — 30.3 33.0	G.M.T. h. m. h. m. h. m.		
SUNDAY.				7 17	12 15	17 13
				7 41	- 23	17 5
				7 39	- 27	17 15
				7 35	- 35	17 35
Weekly Schedule, 6 posted.				7 58	- 55	17 52
47.		52.1 53.1 — 52.8 54.3	23.7 11.0 — 27.4 31.3	7 16	12 15	17 14
MONDAY.				7 39	- 23	17 7
Send Anemograms, 41-47 ;				7 37	- 27	17 17
Weekly Barograms, etc., 6.				7 33	- 35	17 37
				7 57	- 55	17 53
48.		57.5 52.2 — 54.2 53.9	19.2 17.2 — 23.2 28.7	7 14	12 15	17 16
TUESDAY.				7 37	- 23	17 9
				7 35	- 27	17 19
				7 31	- 35	17 39
				7 55	- 55	17 55
49.		55.4 54.5 — 54.5 54.6	19.2 12.8 — 33.4 32.4	7 12	12 15	17 18
WEDNESDAY.				7 34	- 23	17 12
				7 33	- 27	17 21
				7 28	- 34	17 40
				7 53	- 55	17 57
50.		56.3 53.0 — 53.1 53.0	23.5 12.0 — 32.0 28.4	7 10	12 15	17 20
THURSDAY.				7 31	- 22	17 13
Send B. Th. Curves, 41-46 ;				7 31	- 27	17 23
An. R., 40-46 ; Journal, &c., 7.				7 27	- 34	17 41
				7 51	- 55	17 59
51.		53.3 53.9 — 53.6 53.5	25.1 15.9 — 29.9 29.8	7 8	12 15	17 22
FRIDAY.				7 29	- 22	17 15
				7 29	- 27	17 25
				7 25	- 34	17 43
				7 49	- 55	18 1
51-52.		52.8 55.5 — 52.8 53.6	23.0 25.1 — 30.9 27.5	7 6	12 15	17 24
SATURDAY.				7 26	- 22	17 18
Journal, &c., 8.				7 26	- 27	17 28
Electrical, Seismological, and				7 23	- 34	17 45
Magnetic Tabulations, 41-46.				7 47	- 55	18 3

THIRTEENTH WEEK OF WINTER.				YEAR XXXVII.	WEEK No. 8.
Normals 1881-1905.					
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.			Historical Notes.	
N.	°F.	hrs. per day.	ins.		
0	37.9	2.4	0.91	SUNDAY, 22nd FEBRUARY. St. Peter. Greatest wind velocity, 1908, 26.4 metres per sec. (59 mls. per hr.), Deerness.	
E.					
1	37.3	2.8	0.51		
2	38.7	2.9	0.35		
3	38.8	3.0	0.35		
4	38.8	2.7	0.42		
5	40.0	3.1	0.46	MONDAY, 23rd FEBRUARY. Karl Friedrich Gauss died, 1855.	
W.					
6	39.1	2.6	0.82		
7	39.5	2.8	0.55		
8	41.0	3.1	0.70		
9	40.5	2.7	0.65		
10	42.2	3.2	0.74	TUESDAY, 24th FEBRUARY. St. Mathias.	
S.					
11	43.8	3.8	0.61		
				WEDNESDAY, 25th FEBRUARY. Ash Wednesday.	
				THURSDAY, 26th FEBRUARY.	
				FRIDAY, 27th FEBRUARY. Destructive Circular Storm, 1903. Strongest gust 39.3 metres per second (88 mls. per hr.), Pen- dennis. Maximum hourly velocity, 24.6 metres per second (55 mls. per hr.). (Q.J.)	
				SATURDAY, 28th FEBRUARY. St. Romanus. René Antoine Ferchault de Réaumur born, 1683. Thomas Robinson died, 1882. Strongest gust, 1908, 37.6 metres per second (84 mls. per hr.), Scilly.	

22ND FEBRUARY TO 28TH FEBRUARY, 1914.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.					
		Highest.	Lowest.						
B. Th.	An. R.	°F.	°F.	G.M.T.					
SUNDAY.	53.	VFEAK 55.1 60.2 — 54.2 54.2	VFEAK 23.2 18.4 — 30.9 32.4	h. m.	h. m.	h. m.			
Weekly Schedule, 7 posted.				7 4	12 15	17 26			
				7 24	- 22	17 20			
				7 24	- 27	17 30			
				7 21	- 34	17 47			
				7 45	- 55	18 5			
53-54.	54.	55.7 54.2 — 54.5 56.7	27.3 22.2 — 29.2 32.0	7 2	12 15	17 28			
MONDAY.				7 21	- 22	17 23			
Send Anemograms, 48-54 ;				7 21	- 26	17 31			
Weekly Barograms, etc., 7.				7 19	- 34	17 49			
				7 43	- 55	18 7			
	55.	56.3 55.8 — 56.0 56.2	20.8 15.3 — 26.0 30.0	6 59	12 14	17 29			
TUESDAY.				7 19	- 22	17 25			
				7 19	- 26	17 33			
				7 17	- 34	17 51			
				7 41	- 54	18 8			
55-56.	56.	54.9 57.5 — 55.1 54.1	22.1 12.5 — 23.9 30.0	6 57	12 14	17 31			
WEDNESDAY.				7 16	- 22	17 28			
				7 16	- 26	17 36			
				7 15	- 34	17 52			
				7 39	- 54	18 10			
	57.	56.7 58.2 — 55.6 55.3	22.8 21.0 — 26.9 30.0	6 55	12 14	17 33			
THURSDAY.				7 14	- 22	17 30			
Send B. Th. Curves, 47-54 ;				7 14	- 26	17 38			
An. R., 47-53 ; Journal, &c.,				7 13	- 33	17 53			
8.				7 37	- 54	18 12			
57-58.	58.	56.0 51.2 — 54.0 54.0	23.1 21.0 — 29.6 26.8	6 54	12 14	17 34			
FRIDAY.				7 10	- 21	17 32			
Report for January issued.				7 12	- 26	17 40			
				7 11	- 33	17 55			
				7 35	- 54	18 13			
	59.	57.1 52.4 — 53.7 55.2	21.9 25.0 — 29.2 27.3	6 52	12 14	17 36			
SATURDAY.				7 8	- 21	17 34			
Journal, &c., 9.				7 10	- 26	17 42			
Electrical, Seismological, and				7 9	- 33	17 57			
Magnetic Tabulations, 47-54.				7 33	- 54	18 15			
Material for Geophysical Journal for December, 1913, due at M.O.									

FIRST WEEK OF SPRING.				YEAR XXXVII.	WEEK No. 9.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	ins.	SUNDAY, 1st MARCH. St. David's.	
0	38.1	2.6	1.03		
E.					
1	38.0	3.1	0.54		
2	39.5	3.4	0.42		
3	39.6	3.4	0.34	MONDAY, 2nd MARCH. St. Chad. Sir W. J. L. Wharton born, 1843.	
4	39.7	3.0	0.42		
5	40.8	3.4	0.45		
W.					
6	39.6	3.0	0.83		
7	40.1	3.0	0.56	TUESDAY, 3rd MARCH. St. Winnold.	
8	41.5	3.4	0.67		
9	40.9	2.9	0.61		
10	42.6	3.5	0.69		
S.					
11	44.2	4.2	0.58	WEDNESDAY, 4th MARCH. Strongest gust, 1912, 43.8 metres per second (98 mls. per hr.), Pendennis Castle. (<i>See also</i> Dec. 26th.)	
N.	Normals for March.				
0	39.3	3.08	4.42		
E.					
1	39.3	3.42	2.30		
2	40.6	3.99	1.74	THURSDAY, 5th MARCH.	
3	41.0	4.00	1.55		
4	41.1	3.57	1.73		
5	42.2	3.96	1.81		
W.					
6	40.8	3.57	3.52	FRIDAY, 6th MARCH.	
7	41.3	3.49	2.40		
8	42.7	4.01	2.71		
9	41.9	3.42	2.72		
10	43.5	3.93	2.98		
S.				SATURDAY, 7th MARCH. Sir J. F. W. Herschel born, 1792.	
11	45.2	4.84	2.25		

1st MARCH TO 7th MARCH, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 59-60.	An. R. 60.	°F. VFEAK 56.2 63.0	°F. VFEAK 24.9 23.8	G.M.T. h. m. h. m. h. m.		
SUNDAY. Equinoctial Cards (Straight) to be used in Sun Recorder until 12th April. Weekly Schedule, 8 posted.		55.9 56.9	27.9 31.0	6 50	12 14	17 38
61.		57.1 54.3	23.8 19.0	6 47	12 13	17 39
MONDAY. Send Anemograms, 55-61; Weekly Barograms, etc., 8.		53.7 54.7	27.4 31.6	7 3	12 17	17 38
62.		62.2 60.0	22.4 19.4	7 4	12 17	17 46
61-62. TUESDAY.		54.1 55.3	25.0 30.2	7 5	12 18	18 1
63.		60.6 55.7	18.3 16.3	7 28	12 18	18 18
WEDNESDAY. Climatological Stations. Send schedules for February. International Day.		54.6 53.9	23.8 30.7	6 43	12 13	17 43
64.		57.3 52.1	26.7 10.5	6 58	12 17	17 43
63-64. THURSDAY. Send Curves and Tabulations for February. Send B. Th. Curves, 55-60; An. R., 54-60; Journal, &c., 9. International Day.		55.4 54.4	31.6 30.7	7 0	12 17	17 50
65.		58.8 52.8	25.9 26.9	7 0	12 18	18 4
FRIDAY. International Day.		53.1 54.4	32.6 34.9	7 24	12 18	18 22
66.		59.7 58.2	22.3 25.0	6 41	12 13	17 45
65-66. SATURDAY. Journal, &c., 10. Electrical, Seismological, and Magnetic Tabulations, 55-60.		54.7 55.7	31.3 33.0	6 55	12 17	17 45
				6 57	12 17	17 53
				6 58	12 18	18 6
				7 22	12 18	18 24
				6 39	12 13	17 47
				6 53	12 17	17 48
				6 54	12 17	17 54
				6 56	12 18	18 8
				7 20	12 18	18 26
				6 36	12 12	17 48
				6 50	12 17	17 50
				6 52	12 17	17 56
				6 54	12 18	18 9
				7 17	12 18	18 28

SECOND WEEK OF SPRING.				YEAR XXXVII.	WEEK No. 10
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 8th MARCH.	
0	39.1	2.8	1.06	Thunderstorm and whirlwind at York, 1890. (Q.J.)	
E.					
1	39.3	3.4	0.53		
2	40.7	4.0	0.42		
3	40.9	3.9	0.33		
4	41.0	3.5	0.37		
5	42.0	3.8	0.40	MONDAY, 9th MARCH.	
W.					
6	40.7	3.4	0.78		
7	41.2	3.4	0.51		
8	42.5	3.9	0.57		
9	41.8	3.2	0.56		
10	43.3	3.7	0.63	TUESDAY, 10th MARCH.	
S.				George James Symons died, 1900.	
11	45.1	4.8	0.47		
	Normals for Spring.			WEDNESDAY, 11th MARCH.	
N.				Lithographic reproductions of Daily Charts begun, 1872.	
0	43.3	4.47	9.88	Western European Standard time (G.M.T.) adopted in France, 1911.	
E.					
1	44.2	4.88	6.27		
2	45.1	5.23	5.09		
3	46.3	5.44	4.95	THURSDAY, 12th MARCH.	
4	46.3	4.91	5.53		
5	47.6	5.46	5.16		
W.					
6	45.5	5.12	8.97		
7	46.2	5.03	6.62		
8	47.4	5.50	7.08		
9	46.3	4.87	7.43	FRIDAY, 13th MARCH.	
10	47.7	5.34	7.97	Highest barometer reading on board ship in N. Atlantic, 31.09 in., s.s. "Lumen" in 55° N., 24° W., 1900.	
S.					
11	49.4	6.54	6.01		
				SATURDAY, 14th MARCH.	
				Greatest hourly wind velocity, 1905, 32.2 metres per second (72 mls. per hr.), strongest gust 46 metres per second (103 mls. per hr.), Pendennis Castle.	

8TH MARCH TO 14TH MARCH, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
		VFEAK	VFEAK	h. m.	h. m.	h. m.
SUNDAY.	67.	61.0	24.9	6 34	12 12	17 50
		54.8	22.3	6 47	- 19	17 52
		55.4	29.5	6 50	- 24	17 58
Weekly Schedule, 9 posted.		54.6	30.3	6 52	- 31	18 10
				7 15	- 52	18 30
67-68.	68.	59.3	22.2	6 32	12 12	17 52
MONDAY.		57.0	22.3	6 44	- 19	17 54
Send Anemograms, 62-68; Weekly Barograms, etc., 9.		54.9	29.4	6 47	- 24	18 1
		53.6	29.7	6 50	- 31	18 12
				7 13	- 52	18 32
	69.	58.7	24.3	6 30	12 12	17 54
TUESDAY.		54.3	24.1	6 42	- 19	17 57
		54.0	26.6	6 44	- 23	18 2
		54.7	29.0	6 48	- 31	18 14
				7 11	- 52	18 34
69-70.	70.	57.3	23.2	6 27	12 11	17 56
WEDNESDAY.		55.1	24.2	6 40	- 19	17 59
		55.5	28.4	6 42	- 23	18 4
		53.9	28.7	6 46	- 31	18 16
				7 8	- 51	18 35
	71.	59.4	23.9	6 25	12 11	17 57
THURSDAY.		60.1	21.9	6 36	- 18	18 0
Send B. Th. Curves, 61-68; An. R., 61-67; Journal, &c., 10.		54.0	30.2	6 39	- 23	18 7
		54.3	31.2	6 43	- 30	18 17
				7 5	- 51	18 37
71-72.	72.	57.5	24.9	6 22	12 11	17 59
FRIDAY.		56.7	24.0	6 34	- 18	18 3
		55.7	28.3	6 37	- 23	18 9
		54.9	29.0	6 41	- 30	18 19
				7 3	- 51	18 39
	73.	59.1	25.0	6 20	12 11	18 0
SATURDAY.		56.2	25.7	6 31	- 18	18 5
Journal, &c., 11. Electrical, Seismological, and Magnetic Tabulations, 61-68.		54.8	25.4	6 34	- 22	18 10
		55.0	30.4	6 39	- 30	18 20
				7 0	- 51	18 41

THIRD WEEK OF SPRING.				YEAR XXXVII.	WEEK No. 11.
	Normals, 1881-1905.				
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.			Historical Notes.	
N.	°F.	hrs. per day.	in.	SUNDAY, 15th MARCH.	
0	40·0	3·3	1·03		
E.					
1	40·2	3·9	0·52		
2	41·3	4·3	0·37		
3	41·8	4·3	0·37		
4	41·8	3·9	0·37		
5	42·9	4·3	0·40	MONDAY, 16th MARCH. Strongest gust, 1907, 36·2 metres per second (81 mls. per hr.), Southport.	
W.					
6	41·5	3·9	0·80		
7	41·9	3·9	0·53		
8	43·3	4·4	0·58		
9	42·4	3·7	0·62		
10	43·9	4·2	0·66		
S.				TUESDAY, 17th MARCH. St. Patrick.	
11	45·7	5·2	0·47		
				WEDNESDAY, 18th MARCH.	
				THURSDAY, 19th MARCH. St. Joseph.	
				FRIDAY, 20th MARCH.	
				SATURDAY, 21st MARCH. St. Benedict. Luke Howard died, 1864.	

15TH MARCH TO 21ST MARCH, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 73-74.	An. R. 74.	°F. VFEAK	°F. VFEAK	G.M.T.		
SUNDAY.		65.3	27.0	h. m.	h. m.	h. m.
		55.7	22.7	6 18	12 10	18 3
				6 29	- 18	18 8
				6 32	- 22	18 12
				6 37	- 29	18 21
				6 58	- 50	18 43
Weekly Schedule, 10 posted.		55.2	32.6			
		60.2	33.7			
MONDAY.		65.0	24.1	6 15	12 10	18 5
		61.8	20.0	6 26	- 17	18 9
Send Anemograms, 69-75; Weekly Barograms, etc., 10.		57.1	30.3	6 29	- 22	18 15
		62.9	31.2	6 35	- 29	18 23
				6 55	- 50	18 45
75-76. TUESDAY.		63.4	22.2	6 13	12 10	18 7
		59.0	16.9	6 23	- 17	18 11
				6 26	- 21	18 16
		57.0	28.4	6 33	- 29	18 25
		57.4	28.8	6 53	- 50	18 46
77. WEDNESDAY.		61.7	24.9	6 10	12 9	18 8
		59.1	12.0	6 21	- 17	18 14
				6 24	- 21	18 18
		56.8	29.8	6 31	- 29	18 27
		54.6	30.9	6 50	- 49	18 48
77-78. THURSDAY.		62.9	23.8	6 8	12 9	18 10
		55.4	19.6	6 17	- 16	18 15
Send B. Th. Curves, 69-74; An. R., 68-74; Journal, &c., 11.		56.0	28.4	6 22	- 21	18 20
		55.5	30.0	6 28	- 28	18 28
				6 48	- 49	18 50
79. FRIDAY.		61.0	27.3	6 6	12 9	18 11
		54.4	25.7	6 15	- 16	18 18
				6 19	- 21	18 23
		55.6	28.3	6 26	- 28	18 30
		59.1	31.1	6 46	- 49	18 51
79-80. SATURDAY.		61.2	22.5	6 4	12 8	18 12
Journal, &c., 12.		58.5	25.4	6 12	- 16	18 21
Electrical, Seismological, and Magnetic Tabulations, 69-74.		56.3	29.3	6 16	- 20	18 24
		55.1	30.3	6 24	- 28	18 32
				6 44	- 48	18 52

FOURTH WEEK OF SPRING.				YEAR XXXVII.	WEEK No. 12.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 22nd MARCH. River Thames, at London, ebbcd and flowed three times in four hours. 1682.—(LOWE.)	
0	40.4	3.9	0.91		
E.					
1	40.7	4.2	0.49		
2	41.8	4.7	0.38		
3	42.8	4.8	0.36	MONDAY, 23rd MARCH.	
4	42.7	4.3	0.39		
5	44.0	4.7	0.36		
W.					
6	42.1	4.5	0.76		
7	42.6	4.1	0.56	TUESDAY, 24th MARCH. "Eurydice" line-squall, 1878. (Q.J.) Destructive secondary passed across England, 1895. (F.W.) Circular storm, 1902. Hourly wind velocity, 18.8 metres per second (42 mls. per hr.), Valencia. (L.H.)	
8	44.2	4.8	0.59		
9	43.0	4.2	0.65		
10	44.6	4.8	0.68		
S.					
11	46.6	5.6	0.47	WEDNESDAY, 25th MARCH. Lady Day. THURSDAY, 26th MARCH. FRIDAY, 27th MARCH. SATURDAY, 28th MARCH.	

22ND MARCH TO 28TH MARCH, 1914.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F), and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B. Th.	An. R.		°F.	°F.	G.M.T.				
			V F E A K	V F E A K	h. m.	h. m.	h. m.	h. m.	h. m.
	SUNDAY	81.	63.9	23.9	6 2	12 8	18 14		
			58.4	22.4	6 9	— 16	18 23		
			—	—	6 13	— 20	18 27		
			58.4	31.0	6 21	— 27	18 33		
	Weekly Schedule, 11 posted.		56.7	27.6	6 42	— 48	18 54		
81-82.	MONDAY.	82.	65.3	23.0	6 0	12 8	18 16		
			59.1	20.6	6 6	— 15	18 24		
	Send Anemograms, 76-82; Weekly Barograms, etc., 11.		54.8	27.1	6 11	— 20	18 29		
			56.8	29.2	6 19	— 27	18 35		
			—	—	6 40	— 48	18 56		
	TUESDAY.	83.	67.4	22.6	5 58	12 8	18 18		
			63.0	20.0	6 4	— 15	18 27		
			—	—	6 8	— 19	18 30		
			55.3	27.6	6 17	— 27	18 37		
			64.2	26.3	6 38	— 48	18 58		
83-84.	WEDNESDAY.	84.	63.3	24.4	5 55	12 7	18 19		
			62.9	19.7	6 1	— 15	18 29		
			—	—	6 6	— 19	18 32		
			54.7	31.8	6 15	— 26	18 37		
			63.8	33.1	6 35	— 47	18 59		
	THURSDAY.	85.	64.4	27.4	5 53	12 7	18 21		
			53.3	26.9	5 58	— 14	18 31		
	Send B. Th. Curves, 75-82; An. R., 75-81; Journal, &c., 12.		57.0	34.0	6 3	— 19	18 35		
			60.6	31.3	6 13	— 26	18 39		
			—	—	6 33	— 47	19 1		
85-86.	FRIDAY.	86.	62.0	27.0	5 51	12 7	18 23		
			55.2	23.5	5 55	— 14	18 33		
	Report for February issued.		—	—	6 0	— 18	18 36		
			58.7	31.8	6 11	— 26	18 41		
			60.1	31.9	6 31	— 47	19 3		
	SATURDAY.	87.	64.2	27.6	5 48	12 6	18 24		
	Journal, &c., 13.		54.4	21.6	5 53	— 14	18 35		
	Electrical, Seismological, and Magnetic Tabulations, 75-82.		—	—	5 58	— 18	18 38		
			55.4	33.9	6 9	— 26	18 43		
			61.6	30.0	6 28	— 46	19 4		

FIFTH WEEK OF SPRING.				YEAR XXXVII.	WEEK No. 13.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.			First week of Wheat-growing period, Western Australia (Commonwealth Weather Bureau, Western Australia, 1908).	
	°F.	hrs. per day.	ins.		
N.				SUNDAY, 29th MARCH.	
0	41.0	4.3	0.78	Henry Toynbee died, 1909. ? Captain Scott died, 1912. (Scott's Last Expedition.)	
E.					
1	41.4	4.6	0.44		
2	42.5	5.1	0.38		
3	43.8	5.1	0.34		
4	43.8	4.7	0.41		
5	45.2	5.0	0.32	MONDAY, 30th MARCH.	
W.					
6	42.8	5.0	0.67		
7	43.7	4.1	0.52		
8	45.3	5.1	0.54		
9	44.0	4.5	0.58		
10	45.6	5.1	0.62	TUESDAY, 31st MARCH.	
S.					
11	47.6	6.0	0.42		
N.				WEDNESDAY, 1st APRIL.	
0	42.9	4.62	2.95	First publication by "The Times" of the 8 a.m. Weather Map. Issue of forecasts resumed, 1879.	
E.					
1	43.3	4.82	1.89		
2	44.3	5.11	1.58		
3	45.6	5.33	1.55		
4	45.6	4.87	1.77		
5	46.8	5.35	1.62		
W.					
6	44.7	5.13	2.76		
7	45.5	4.85	2.09		
8	46.7	5.46	2.35		
9	45.6	4.81	2.39		
10	47.1	5.29	2.64		
S.					
11	48.8	6.40	1.96		
				SATURDAY, 4th APRIL.	
				River Thames, in London, so dry that children waded over between the bridges and the town. 1114.—(LOWE.) Heinrich Wilhelm Dove died, 1879.	

29TH MARCH TO 4TH APRIL, 1914.					
Diary of Operations for Observatories, with Daily Notes of Temperature Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th.	An. R.	°F.	°F.	G.M.T.	
87-88.	88.	V F E A K	V F E A K	h. m.	h. m.
	SUNDAY.	64.9	27.7	5 46	12 6
		58.1	22.1	5 50	13 18
		57.0	32.8	5 55	18 41
		60.0	29.4	6 7	25 18
				6 26	46 19
Weekly Schedule, 12 posted.					
	89.				
	MONDAY.	64.2	26.3	5 44	12 6
		56.7	26.0	5 47	13 18
		56.9	31.0	5 52	17 18
		58.1	31.4	6 5	25 18
				6 24	46 19
	89-80.				
	TUESDAY.	63.1	29.9	5 41	12 5
		61.7	25.1	5 44	13 18
		58.2	32.0	5 50	17 18
		58.5	30.5	6 3	25 18
				6 21	45 19
	91.				
	WEDNESDAY.	67.2	27.0	5 39	12 5
		68.2	29.9	5 41	12 18
		56.4	35.2	5 48	17 18
		57.5	30.9	6 0	24 18
				6 19	45 19
	91-92.				
	THURSDAY.	65.4	27.9	5 37	12 5
		59.2	29.0	5 39	12 18
		56.8	34.9	5 46	17 18
		63.1	30.9	5 58	24 18
				6 17	45 19
	93.				
	FRIDAY.	65.1	31.8	5 35	12 5
		59.1	25.9	5 36	12 18
		58.7	34.7	5 43	16 18
		61.3	31.9	5 56	24 18
				6 15	45 19
	93-94.				
	SATURDAY.	68.5	30.5	5 33	12 4
		57.2	29.1	5 34	12 18
		59.3	33.0	5 40	16 18
		63.2	34.1	5 53	23 18
				6 13	44 19

SIXTH WEEK OF SPRING.				YEAR XXXVII.	WEEK No. 14.		
Dist.	Normals, 1881-1905.			Historical Notes.			
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.						
N.	°F.	hrs. per day.	in.	SUNDAY, 5th APRIL. 25th March, Old Style; Lady Day and New Year's Day, 1700 to 1750.			
0	41·9	4·6	0·70				
E.						MONDAY, 6th APRIL.	
1	42·3	4·7	0·43				
2	43·4	5·0	0·35				
3	44·6	5·1	0·35				
4	44·6	4·7	0·40				
5	46·0	5·1	0·33	TUESDAY, 7th APRIL. James Glaisher born, 1809. Abbott Lawrence Rotch died, 1912.			
W.							
6	43·7	5·1	0·62				
7	44·6	4·7	0·47				
8	46·0	5·3	0·50				
9	44·9	4·8	0·53	WEDNESDAY, 8th APRIL.			
10	46·3	5·3	0·57				
S.							
11	48·2	6·2	0·42				
						THURSDAY, 9th APRIL.	
				FRIDAY, 10th APRIL. Good Friday.			
				SATURDAY, 11th APRIL. Alexander Buchan born, 1829.			

5TH APRIL TO 11TH APRIL, 1914.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B. Th.	An. R.		°F.	°F.	G.M.T.				
			VFEAK	VFEAK	h. m.	h. m.	h. m.	h. m.	h. m.
	SUNDAY.	95.	68.7	30.3	5 31	12 4	18 38		
			60.6	28.7	5 31	- 11	18 52		
			56.2	31.7	5 38	- 16	18 54		
			61.2	34.2	5 51	- 23	18 55		
	Weekly Schedule, 13 posted.				6 11	- 44	19 17		
95-96.	MONDAY.	96.	65.0	28.3	5 28	12 4	18 40		
			59.5	27.3	5 28	- 11	18 54		
	Send Anemograms, 90-96; Weekly Barograms, etc., 13.		61.6	32.2	5 35	- 15	18 56		
			60.8	36.1	5 50	- 23	18 57		
	TUESDAY.	97.	64.4	28.6	5 26	12 3	18 41		
			59.3	32.6	5 26	- 11	18 57		
			59.6	33.3	5 33	- 15	18 58		
			62.4	35.0	5 48	- 23	18 58		
					6 5	- 43	19 21		
97-98.	WEDNESDAY.	98.	70.4	31.5	5 24	12 3	18 42		
			61.4	28.4	5 23	- 10	18 59		
			57.4	31.7	5 30	- 15	19 0		
			65.5	35.2	5 45	- 22	18 59		
					6 2	- 43	19 23		
	THURSDAY.	99.	63.2	30.8	5 22	12 3	18 44		
			60.1	30.6	5 20	- 10	19 1		
	Send Curves, 89-96; An. R., 89-95; Journals, Tabulation, &c., 14 and 15.		58.0	29.6	5 27	- 14	19 2		
			64.4	35.6	5 43	- 22	19 1		
					6 0	- 43	19 25		
99-100.	FRIDAY.	100.	68.6	31.3	5 19	12 2	18 45		
			58.4	30.1	5 17	- 10	19 3		
	M.O. Press closed.		57.8	36.0	5 25	- 14	19 4		
			67.0	35.7	5 41	- 22	19 3		
					5 58	- 42	19 26		
	SATURDAY.	101.	70.0	28.3	5 17	12 2	18 47		
	Journal, &c., 16.		57.0	31.6	5 15	- 10	19 5		
	Electrical, Seismological, and Magnetic Tabulations, 89-96.		58.4	33.3	5 23	- 14	19 6		
			64.4	33.3	5 38	- 21	19 4		
					5 56	- 42	19 28		

SEVENTH WEEK OF SPRING.				YEAR XXXVII.	WEEK No. 15.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 12th APRIL. Easter Day.	
0	43·3	4·7	0·63		
E.					
1	43·7	4·8	0·43		
2	44·5	4·9	0·36		
3	45·8	5·2	0·36		
4	45·8	4·8	0·40	MONDAY, 13th APRIL.	
5	47·0	5·3	0·40		
W.					
6	45·1	5·1	0·61		
7	45·8	5·1	0·45		
8	46·9	5·5	0·54		
9	45·9	4·8	0·53		
10	47·3	5·2	0·60	TUESDAY, 14th APRIL.	
S.					
11	48·9	6·4	0·47		
				WEDNESDAY, 15th APRIL. S.S. "Titanic" sunk by iceberg in Atlantic 41° 16' N., 50° 14' W., 1912.	
				THURSDAY, 16th APRIL. John Hadley born, 1682.	
				FRIDAY, 17th APRIL. Benjamin Franklin died, 1796.	
				SATURDAY, 18th APRIL.	

12TH APRIL TO 18TH APRIL, 1914.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B.Th. 101-102.	SUNDAY.	An. R. 102.	°F. V F E A K 66.0 59.3 — 57.2 58.9	°F. V F E A K 28.9 29.3 — 32.7 34.2	G.M.T. h. m. h. m. h. m. 5 15 12 2 18 49 5 12 - 9 19 7 5 21 - 14 19 8 5 36 - 21 19 6 5 54 - 42 19 30				
Weekly Schedule, 14 posted.									
	MONDAY.	103.	66.8 54.0 — 56.1 59.6	31.9 26.6 — 32.7 32.1	5 13 12 2 18 51 5 9 - 9 19 9 5 18 - 13 19 9 5 34 - 21 19 8 5 52 - 42 19 32				
	M.O. Press closed. Send Anemograms, 97-103; Weekly Barograms, &c., 14. Summer cards to be used in Sun Recorder to-day and until 31st August.								
103-104.	TUESDAY.	104.	66.4 60.2 — 56.9 59.9	30.0 28.2 — 33.4 31.7	5 10 12 1 18 52 5 7 - 9 19 12 5 15 - 13 19 11 5 32 - 21 19 10 5 49 - 41 19 34				
	Daily Reports for 13th and 14th issued.								
	WEDNESDAY.	105.	71.3 60.1 — 58.8 59.7	27.9 25.7 — 32.0 31.7	5 8 12 1 18 54 5 4 - 9 19 14 5 13 - 13 19 13 5 30 - 20 19 11 5 47 - 41 19 35				
	Daily Reports for 10th, 12th, and 15th issued.								
105-106.	THURSDAY.	106.	72.8 61.6 — 57.8 61.2	33.2 22.7 — 31.6 32.3	5 6 12 1 18 56 5 1 - 8 19 16 5 10 - 13 19 15 5 28 - 20 19 12 5 45 - 41 19 37				
	Send Curves, 97-102; An. and R., 96-102; Journals, Tabulations, &c., 18.								
	FRIDAY.	107.	65.3 62.6 — 60.4 61.3	27.4 28.9 — 32.0 33.7	5 4 12 1 18 58 4 58 - 8 19 18 5 7 - 12 19 17 5 26 - 20 19 14 5 43 - 41 19 39				
	Daily Reports for 10th, 12th, and 15th issued.								
107-108.	SATURDAY.	108.	68.3 60.1 — 59.5 63.0	30.1 29.3 — 34.2 32.6	5 2 12 0 18 59 4 56 - 8 19 20 5 5 - 12 19 19 5 24 - 20 19 16 5 41 - 40 19 40				
	Journals, &c., 17. Electrical, Seismological, and Magnetic Tabulations, 97-102.								

EIGHTH WEEK OF SPRING.				YEAR XXXVII.	WEEK No. 16.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 19th APRIL. Warren de la Rue died, 1889.	
0	44.7	4.7	0.65		
E.					
1	45.1	5.0	0.46		
2	45.9	5.2	0.37		
3	47.2	5.6	0.39	MONDAY, 20th APRIL.	
4	47.3	5.1	0.44		
5	48.4	5.7	0.46		
W.					
6	46.6	5.2	0.67		
7	47.1	5.2	0.50	TUESDAY, 21st APRIL.	
8	48.1	5.7	0.62		
9	47.0	4.9	0.58		
10	48.4	5.4	0.67		
S.					
11	49.9	6.7	0.52	WEDNESDAY, 22nd APRIL. William Clement Ley died, 1896.	
				THURSDAY, 23rd APRIL. St. George. Thomas Robinson born, 1792.	
				FRIDAY, 24th APRIL.	
				SATURDAY, 25th APRIL. St. Mark Anders Celsius (inventor of the Centigrade Thermometer) died, 1744. William Reid born, 1791. Great Snowfalls, Midlands and South, 1908 (M.W.R.)	

19TH APRIL TO 25TH APRIL, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
		V F E A K	V F E A K	h. m.	h. m.	h. m.
	109.	73.7	30.5	5 0	12 0	19 0
	SUNDAY.	66.0	30.3	4 54	- 8	19 23
		62.8	33.2	5 3	- 12	19 22
	Weekly Schedule, 15 posted.	65.8	33.7	5 22	- 19	19 17
				5 39	- 40	19 41
109-110.	110.	80.3	29.6	4 58	12 0	19 2
	MONDAY.	69.7	30.9	4 51	- 7	19 25
	Send Anemograms, 104-110;	66.6	36.8	5 1	- 12	19 24
	Weekly Barograms, &c., 15.	66.1	35.3	5 20	- 19	19 19
				5 37	- 40	19 42
	111.	75.0	29.9	4 56	12 0	19 4
	TUESDAY.	62.0	30.4	4 48	- 7	19 27
		62.6	34.4	4 59	- 12	19 26
		66.8	35.8	5 18	- 19	19 20
				5 35	- 40	19 44
111-112.	112.	71.9	31.8	4 53	12 0	19 6
	WEDNESDAY.	60.0	29.6	4 46	- 7	19 29
		62.1	37.7	4 56	- 11	19 28
		66.1	34.9	5 16	- 19	19 22
				5 33	- 40	19 46
	113.	76.3	28.1	4 51	11 59	19 7
	THURSDAY.	61.0	31.1	4 43	12 7	19 31
	Send Curves, 103-110; An. and R., 103-109; Journals, Tabulations, &c., 17.	61.1	37.3	4 53	- 11	19 30
		62.2	38.0	5 14	- 19	19 24
				5 31	- 39	19 48
113-114.	114.	75.4	29.6	4 49	11 59	19 8
	FRIDAY.	59.0	32.0	4 41	12 7	19 33
		65.7	35.1	4 51	- 11	19 32
		62.5	35.5	5 12	- 18	19 25
				5 29	- 39	19 50
	115.	73.9	30.2	4 47	11 59	19 10
	SATURDAY.	60.4	32.3	4 38	12 6	19 35
	Journals, &c., 18.	68.0	37.6	4 49	- 11	19 34
	Electrical, Seismological, and Magnetic Tabulations, 103-110.	67.0	34.9	5 10	- 18	19 26
				5 27	- 39	19 52

NINTH WEEK OF SPRING.				YEAR XXXVII.	WEEK No. 17.
	Normals, 1881-1905.				
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.			Historical Notes.	
N.	0	°F. 45·7	hrs. per day. 4·9	in. 0·68	SUNDAY, 26th APRIL. Great Snowfalls Midlands and South, 1908. (M.W.R.)
E.	1	46·1	5·3	0·47	
	2	46·8	5·8	0·41	
	3	48·4	6·2	0·39	
	4	48·3	5·6	0·42	
	5	49·6	6·2	0·39	MONDAY, 27th APRIL.
W.	6	47·4	5·6	0·67	
	7	48·0	5·7	0·51	
	8	49·0	6·3	0·54	
	9	47·9	5·3	0·59	
	10	49·4	5·8	0·62	TUESDAY, 28th APRIL.
S.	11	50·7	7·6	0·45	
N.	0	Normals for May. 47·8 5·44 2·74			WEDNESDAY 29th APRIL.
E.	1	48·4	5·96	2·16	
	2	49·3	6·28	1·80	
	3	51·2	6·65	1·87	THURSDAY, 30th APRIL.
	4	51·1	5·99	2·07	Admiral Robert FitzRoy died, 1865.
	5	52·4	6·74	1·80	Karl Friedrich Gauss born, 1777.
W.	6	49·9	6·33	2·87	
	7	50·7	6·43	2·23	
	8	51·7	6·72	2·18	
	9	50·3	6·07	2·44	
	10	51·8	6·51	2·50	FRIDAY, 1st MAY. St. Philip and St. James.
S.	11	53·1	8·02	1·92	
					SATURDAY, 2nd MAY.

26TH APRIL TO 2ND MAY, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 115-116.	An. R. 116.	°F. VFEAK 71.0	°F. VFEAK 30.0	G.M.T.		
SUNDAY.		58.3	33.6	h. m.	h. m.	h. m.
		67.0	35.0	4 45	11 59	19 12
Weekly Schedule, 16 posted.		66.4	35.6	4 35	12 6	19 37
				4 46	- 11	19 36
				5 8	- 18	19 28
				5 25	- 39	19 54
	117.	74.0	31.3	4 43	11 59	19 14
MONDAY.		60.0	32.0	4 33	12 6	19 40
Send Anemograms, 111-117;		63.0	36.8	4 43	- 10	19 37
Weekly Barograms, &c., 17.		65.2	36.3	5 7	- 18	19 30
Report for March issued.				5 22	- 39	19 56
117-118.	118.	66.9	34.3	4 41	11 58	19 15
TUESDAY.		58.6	30.6	4 31	12 6	19 42
		60.6	35.2	4 41	- 10	19 39
		66.6	36.3	5 5	- 18	19 31
				5 20	- 38	19 57
	119.	63.8	30.5	4 39	11 58	19 17
WEDNESDAY.		63.0	32.4	4 29	12 6	19 44
		59.0	37.0	4 39	- 10	19 41
		62.0	37.6	5 3	- 17	19 32
				5 18	- 38	19 58
119-120.	120.	68.6	31.9	4 37	11 58	19 19
THURSDAY.		58.1	33.5	4 26	12 6	19 46
Journals, &c., 19.		59.9	36.8	4 37	- 10	19 43
Send Curves, 111-116; An. and R., 110-116; Journals, Tabulations, &c., 18.		62.0	33.7	5 1	- 17	19 34
Material for Geophysical Journal for February due at M.O.				5 16	- 38	20 0
	121.	67.8	30.9	4 35	11 58	19 21
FRIDAY.		59.4	32.1	4 23	12 5	19 48
		59.3	36.9	4 35	- 10	19 45
		62.3	38.6	4 59	- 17	19 36
				5 13	- 38	20 2
121-122.	122.	68.6	32.2	4 33	11 58	19 23
SATURDAY.		63.0	31.2	4 21	12 5	19 50
Journals, &c., 20.		60.2	37.0	4 33	- 10	19 47
Electrical, Seismological, and Magnetic Tabulations, 111-116.		60.0	36.0	4 57	- 17	19 37
				5 11	- 38	20 4

TENTH WEEK OF SPRING.			YEAR XXXVII.	WEEK No. 18.
Dist.	Normals, 1881-1905.			Week of International Balloon Ascents. Historical Notes.
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.			
N.	°F.	hrs. per day.	in.	
0	46.6	5.4	0.66	SUNDAY, 3rd MAY. A great deep snow all over England, 1698.— (LOWE.)
E.				
1	47.0	5.8	0.47	
2	47.7	6.3	0.42	
3	49.5	6.5	0.39	
4	49.4	6.0	0.41	
5	50.8	6.7	0.34	MONDAY, 4th MAY. Thunderstorm at Hitchin, with hailstones 13 or 14 ins. about. 100,000 cartloads of hailstones. 1697.—(LOWE.)
W.				
6	48.5	6.1	0.65	
7	49.1	6.3	0.49	
8	50.2	6.7	0.46	
9	49.0	5.9	0.55	
10	50.5	6.4	0.53	
S.				TUESDAY, 5th MAY.
11	51.8	8.2	0.35	
				WEDNESDAY, 6th MAY. Alexander von Humboldt died, 1859.
				THURSDAY, 7th MAY.
				FRIDAY, 8th MAY. Mont Pelée eruption, 1902.
				SATURDAY, 9th MAY.

3RD MAY TO 9TH MAY, 1914.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th.	An. R.	°F.	°F.	G.M.T.	
		VFEAK	VFEAK	h. m.	h. m.
	123.	69.3	32.0	4 31	11 58
	SUNDAY.	59.2	29.5	4 19	12 5
		63.0	39.0	4 31	10 19
		61.8	36.4	4 56	17 19
				5 10	38 20
Weekly Schedule, 17 posted.					
123-124.	124.	73.0	30.9	4 30	11 58
MONDAY.		64.2	31.3	4 16	12 5
Send Anemograms, 118-124 ;		59.9	39.0	4 29	10 19
Weekly Barograms, &c., 17.		61.8	37.4	4 54	17 19
Climatological Stations, send Schedules for April.				5 8	38 20
	125.	73.4	30.0	4 28	11 58
TUESDAY.		63.4	30.1	4 14	12 5
Send curves and tabulations for April.		61.7	36.4	4 27	9 19
		67.4	37.2	4 52	17 19
				5 6	38 20
125-126.	126.	71.9	32.3	4 26	11 58
WEDNESDAY.		62.4	31.6	4 12	12 5
		64.5	37.0	4 24	9 19
		65.8	37.2	4 50	17 19
				5 5	38 20
	127.	71.9	31.2	4 24	11 57
THURSDAY.		67.4	31.7	4 10	12 5
Send Curves, 117-124 ; An. and R., 117-123 ; Journals, Tabulations, &c., 19 and 20.		61.4	39.4	4 22	9 19
International Day.		67.7	36.7	4 49	17 19
				5 3	37 20
127-128.	128.	71.9	33.4	4 23	11 57
FRIDAY.		64.7	34.2	4 8	12 5
		61.5	36.3	4 20	9 19
		71.7	36.8	4 48	17 19
				5 1	37 20
	129.	72.2	34.5	4 21	11 57
SATURDAY.		58.4	32.7	4 6	12 5
Journals, &c., 21.		66.1	40.0	4 18	9 20
Electrical, Seismological, and Magnetic Tabulations, 117-124.		68.7	37.2	4 46	17 19
				5 0	37 20

ELEVENTH WEEK OF SPRING.				YEAR XXXVII.	WEEK No. 19.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 10th MAY.	
0	47.7	5.6	0.62		
E.					
1	48.1	6.1	0.50		
2	48.9	6.4	0.38		
3	50.9	6.6	0.43		
4	50.8	6.0	0.48		
5	52.3	6.8	0.41	MONDAY, 11th MAY. St. Mamertius. Sir J. F. W. Herschel died, 1871.	
W.					
6	49.9	6.5	0.66		
7	50.5	6.6	0.50		
8	51.7	6.8	0.49		
9	50.2	6.3	0.54		
10	51.7	6.7	0.54		
S.				TUESDAY, 12th MAY. St. Pancras. Approximate average date of commencement of cold spell at Kew (M.O. 154).	
11	53.0	8.1	0.40		
				WEDNESDAY, 13th MAY. St. Gervais. Alexander Buchan died, 1907.	
				THURSDAY, 14th MAY. Gabriel Daniel Fahrenheit born, 1686. James Horsburgh died, 1836.	
				FRIDAY, 15th MAY. Approximate average date of commencement of cold spell at Aberdeen and Falmouth (M.O. 154).	
				SATURDAY, 16th MAY.	

10TH MAY TO 16TH MAY, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 129-130.	AN. R. 130.	°F. VFEAK 71.7 62.0	°F. VFEAK 31.2 32.3	G.M.T. h. m. h. m. h. m.		
SUNDAY.		68.1	39.8	4 20	11 57	19 34
Weekly Schedule, 18 posted.		66.9	37.9	4 3	12 5	20 7
				4 16	- 9	20 2
				4 45	- 17	19 50
				4 58	- 37	20 16
MONDAY.		75.6	32.5	4 18	11 57	19 36
Send Anemograms, 125-131; Weekly Barograms, &c., 18.		67.4	34.0	4 1	12 5	20 9
		68.1	40.2	4 14	- 9	20 4
		68.1	38.8	4 43	- 17	19 51
				4 56	- 37	20 18
131-132.		75.9	34.0	4 16	11 57	19 38
TUESDAY.		70.6	33.6	3 59	12 5	20 11
		67.7	36.6	4 12	- 9	20 6
		66.8	38.6	4 41	- 17	19 53
				4 54	- 37	20 20
133.		75.9	33.7	4 14	11 57	19 40
WEDNESDAY.		63.1	32.4	3 57	12 5	20 13
		69.8	36.6	4 10	- 9	20 8
		68.0	37.8	4 39	- 16	19 54
				4 52	- 37	20 22
133-134.		74.9	35.3	4 13	11 57	19 42
THURSDAY.		70.1	34.7	3 55	12 5	20 15
Send Curves, 125-130; An. and R., 124-130; Journals, Tabulations, &c., 21.		67.9	38.3	4 9	- 9	20 10
		69.3	36.5	4 38	- 16	19 55
				4 50	- 37	20 24
135.		78.1	36.4	4 11	11 57	19 43
FRIDAY.		63.1	33.5	3 53	12 5	20 17
		69.0	37.9	4 7	- 9	20 12
		71.9	39.6	4 36	- 16	19 56
				4 48	- 37	20 26
135-136.		71.5	35.6	4 10	11 57	19 44
SATURDAY.		62.8	31.3	3 51	12 5	20 19
Journals, &c., 22. Electrical, Seismological, and Magnetic Tabulations, 125- 130.		66.1	37.7	4 5	- 9	20 13
		66.6	41.6	4 35	- 16	19 58
				4 46	- 37	20 27

TWELFTH WEEK OF SPRING.				YEAR XXXVII.	WEEK No. 20.	
Dist.	Normals, 1881-1905.			Historical Notes.		
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.					
N.	°F.	hrs. per day.	in.	SUNDAY, 17th MAY. Valparaiso earthquake, 1906.		
0	48.7	5.6	0.57			
E.						
1	49.6	6.2	0.51			
2	50.7	6.4	0.40			
	3	52.7	6.9	0.44	MONDAY, 18th MAY. Thunderstorms over England and Scotland, 1888. Hail size of pigeon's egg, Glasgow. (Q.J.) San Francisco earthquake, 1906.	
	4	52.6	6.1	0.52		
	5	54.0	6.9	0.44		
W.						
6	51.2	6.6	0.64			
	7	52.1	6.7	0.52	TUESDAY, 19th MAY. St. Dunstan. Thunderstorms over England and Scotland, 1888. (Q.J.)	
	8	53.1	6.8	0.50		
	9	51.6	6.4	0.54		
	10	53.0	6.8	0.57		
S.						
	11	54.3	8.0	0.49	WEDNESDAY, 20th MAY.	
				THURSDAY, 21st MAY. Ascension.		
				FRIDAY, 22nd MAY.		
				SATURDAY, 23rd MAY.		

17TH MAY TO 23RD MAY, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F), and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R. 137.	°F. VFEAK	°F. VFEAK	G.M.T.		
	SUNDAY.	71.8	32.2	h. m.	h. m.	h. m.
		69.4	30.4	4 8	11 57	19 46
		—	—	3 49	12 5	20 21
		66.0	36.8	4 3	— 9	20 15
Weekly Schedule, 19 posted.		68.0	39.3	4 34	— 16	19 59
				4 45	— 37	20 28
137-138.	138.					
	MONDAY.	73.7	35.2	4 7	11 57	19 47
		57.9	34.1	3 47	12 5	20 23
Send Anemograms, 132-138; Weekly Barograms, &c., 19.		69.9	37.7	4 2	— 9	20 17
		71.3	38.6	4 33	— 17	20 1
				4 45	— 37	20 28
	139.					
	TUESDAY.	73.8	34.3	4 6	11 57	19 48
		65.2	32.6	3 45	12 5	20 25
		—	—	4 0	— 9	20 19
		63.0	37.5	4 32	— 17	20 3
		70.3	38.5	4 44	— 37	20 29
139-140.	140.					
	WEDNESDAY.	69.3	32.5	4 5	11 57	19 49
		63.1	33.1	3 44	12 5	20 27
		—	—	3 58	— 9	20 20
		63.1	38.5	4 31	— 17	20 4
		65.8	37.7	4 43	— 37	20 30
	141.					
	THURSDAY.	73.5	33.8	4 3	11 57	19 51
		62.2	33.0	3 42	12 5	20 29
Send Curves, 131-138; An. and R., 131-137; Journals, Tabulations, &c., 22.		64.7	37.2	3 56	— 9	20 22
		66.8	34.9	4 29	— 17	20 5
				4 41	— 37	20 32
141-142.	142.					
	FRIDAY.	76.2	34.2	4 2	11 57	19 52
		69.7	32.9	3 40	12 5	20 31
		—	—	3 55	— 9	20 24
		63.6	38.4	4 28	— 17	20 7
		68.8	38.6	4 40	— 37	20 34
	143.					
	SATURDAY.	77.2	38.3	4 1	11 57	19 54
Journals, &c., 23.		67.2	34.3	3 38	12 5	20 33
Electrical, Seismological, and Magnetic Tabulations, 131-138.		—	—	3 53	— 9	20 25
		66.5	40.1	4 27	— 17	20 8
		73.0	41.7	4 39	— 37	20 36

THIRTEENTH WEEK OF SPRING.				YEAR XXXVII.	WEEK No. 21.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 24th MAY. William Gilbert of Colchester born, 1545. G. von Neumayer died, 1909.	
0	50.2	5.6	0.56		
E.					
1	51.2	6.2	0.48		
2	52.4	6.3	0.43		
3	54.5	7.0	0.46		
4	54.4	6.2	0.50		
5	55.6	7.0	0.46	MONDAY, 25th MAY. St. Urban.	
W.					
6	52.7	6.6	0.61		
7	53.7	6.8	0.50		
8	54.7	6.9	0.48		
9	53.0	6.3	0.55		
10	54.4	6.7	0.59	TUESDAY, 26th MAY.	
S.					
11	55.6	8.1	0.50		
				WEDNESDAY, 27th MAY.	
				THURSDAY, 28th MAY.	
				FRIDAY, 29th MAY.	
				SATURDAY, 30th MAY.	

24TH MAY TO 30TH MAY, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 143-144.	An. R. 144.	°F. VFEAK	°F. VFEAK	G.M.T.		
SUNDAY.		77.9	41.0	h. m.	h. m.	h. m.
		70.0	35.6	4 0	11 58	19 56
				3 36	12 5	20 34
				3 52	- 9	20 27
				4 25	- 17	20 9
				4 38	- 38	20 38
Weekly Schedule, 20 posted.		64.2	42.2			
		73.0	40.6			
MONDAY. 145.		75.2	38.9	3 59	11 58	19 57
		62.6	34.7	3 35	12 5	20 36
Send Anemograms, 139-145 ; Weekly Barograms, &c., 20.		67.1	44.1	3 51	- 10	20 29
		70.9	42.1	4 24	- 17	20 10
				4 37	- 38	20 39
145-146. TUESDAY. 146.		81.0	37.1	3 57	11 58	19 59
		65.0	35.0	3 33	12 5	20 37
		65.1	41.8	3 50	- 10	20 31
		68.1	40.8	4 23	- 17	20 11
				4 36	- 38	20 40
WEDNESDAY. 147.		71.8	36.3	3 56	11 58	20 0
		66.1	33.4	3 31	12 5	20 39
		65.3	39.9	3 48	- 10	20 32
Report for April issued.		71.5	39.6	4 22	- 17	20 13
				4 35	- 38	20 41
147-148. THURSDAY. 148.		77.9	37.7	3 55	11 58	20 1
		70.9	31.6	3 30	12 5	20 41
Send Curves, 139-144 ; An. and R., 138-144 ; Journals, Tabulations, &c., 23.		67.2	40.5	3 47	- 10	20 34
		68.5	41.2	4 21	- 17	20 14
				4 34	- 38	20 42
149. FRIDAY. 149.		76.7	38.2	3 54	11 58	20 2
		68.6	32.4	3 29	12 6	20 43
		68.5	43.1	3 46	- 10	20 35
		72.9	41.7	4 20	- 17	20 15
				4 33	- 38	20 43
149-150. SATURDAY. 150.		83.7	38.0	3 53	11 58	20 3
Journals, &c., 24.		68.2	37.3	3 28	12 6	20 44
Electrical, Seismological, and Magnetic Tabulations, 139- 144.		70.2	43.0	3 44	- 10	20 36
Material for Geophysical Journal for March due at M.O.		72.8	41.6	4 19	- 17	20 16
				4 32	- 38	20 44

FIRST WEEK OF SUMMER.				YEAR XXXVII.	WEEK No. 22.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 31st MAY. Whit-sunday.	
0	51.3	5.7	0.56	First meeting of the Meteorological Committee, 1905.	
E.				Thunderstorm at Epsom, 2.44 in. rain in 50 m., 1911. (W.W.R.)	
1	52.5	6.1	0.45	British Aeroplane altitude record, 11,300 ft., 1913. ("Times.")	
2	53.5	6.2	0.44		
3	55.4	6.8	0.53		
4	55.5	6.2	0.48		
5	56.5	6.9	0.50	MONDAY, 1st JUNE.	
W.				Thunder squall at Bushy, rain estimated at .275 in. in two minutes, 1908.	
6	54.1	6.7	0.58		
7	54.8	6.9	0.44		
8	55.8	7.0	0.50		
9	54.1	6.0	0.56		
10	55.5	6.5	0.55	TUESDAY, 2nd JUNE.	
S.					
11	56.6	8.0	0.44		
N.	Normals for June.			WEDNESDAY, 3rd JUNE.	
0	52.6	5.19	2.76		
E.					
1	54.0	6.03	2.18		
2	55.2	6.28	1.83		
3	57.0	6.87	1.99		
4	56.9	6.22	2.04	THURSDAY, 4th JUNE.	
5	57.9	7.02	1.87		
W.					
6	55.3	6.38	2.83		
7	56.2	6.58	2.22		
8	57.0	6.90	2.23		
9	55.4	5.65	2.62		
10	56.8	6.18	2.51	FRIDAY, 5th JUNE.	
S.					
11	57.9	8.14	1.80		
				SATURDAY, 6th JUNE.	

31st MAY TO 6th JUNE, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	151.	VFEAK	VFEAK	h. m.	h. m.	h. m.
		80.7	39.3	3 52	11 58	20 4
		68.6	33.1	3 27	12 6	20 46
		—	—	3 43	— 10	20 37
Journals, &c., 25.		66.0	44.3	4 19	— 18	20 18
Weekly Schedule, 21 posted.		70.0	40.3	4 30	— 38	20 45
151-152.	152.					
MONDAY.		78.1	38.0	3 52	11 59	20 6
		72.2	37.4	3 25	12 6	20 47
M.O. Press closed.		—	—	3 42	— 10	20 39
Send Anemograms, 146-152 ;		74.3	43.1	4 18	— 18	20 19
Weekly Barograms, &c., 21.		71.7	41.0	4 29	— 39	20 47
153.	153.					
TUESDAY.		82.0	40.9	3 51	11 59	20 7
		74.2	35.9	3 24	12 6	20 48
Daily Reports for 1st and 2nd issued.		—	—	3 41	— 10	20 40
		73.2	45.4	4 17	— 18	20 19
		74.3	41.9	4 28	— 39	20 49
153-154.	154.					
WEDNESDAY.		80.8	39.8	3 50	11 59	20 8
		66.4	36.0	3 23	12 6	20 49
Daily Reports for May 31st and June 3rd issued.		69.1	45.0	3 41	— 11	20 42
		70.9	44.8	4 16	— 18	20 20
International Day.				4 27	— 39	20 51
155.	155.					
THURSDAY.		79.9	39.2	3 49	11 59	20 9
Send Curves, 145-152 ; An. and R., 145-151 ; Journals, Tabulations, &c., 25.		70.9	37.9	3 22	12 6	20 51
Climatological Stations send Schedules for May.		69.4	45.6	3 40	— 11	20 43
International Day.		71.6	44.6	4 16	— 18	20 21
				4 26	— 39	20 52
155-156.	156.					
FRIDAY.		80.6	37.4	3 48	11 59	20 10
		70.4	36.0	3 21	12 7	20 53
Send curves and tabulations for May.		69.3	43.4	3 39	— 11	20 44
International Day.		69.9	44.9	4 15	— 18	20 22
				4 25	— 39	20 53
157.	157.					
SATURDAY.		79.2	41.4	3 48	11 59	20 11
Journals, &c., 26.		67.7	32.2	3 20	12 7	20 54
Electrical, Seismological, and Magnetic Tabulations, 145-152.		75.6	45.0	3 38	— 11	20 45
		72.3	44.5	4 15	— 19	20 23
				4 25	— 39	20 54

SECOND WEEK OF SUMMER.				YEAR XXXVII.	WEEK No. 23.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	0	°F. 52.2	hrs. per day. 5.4	in. 0.62	SUNDAY, 7th JUNE.
E.	1	53.5	5.9	0.50	MONDAY, 8th JUNE. St. Medard.
	2	54.4	6.2	0.41	
	3	56.1	6.5	0.53	
	4	56.2	6.0	0.46	
	5	57.2	6.7	0.47	TUESDAY, 9th JUNE.
W.	6	55.0	6.5	0.64	
	7	55.7	6.7	0.47	
	8	56.5	6.9	0.54	
	9	54.9	5.8	0.60	WEDNESDAY, 10th JUNE.
	10	56.3	6.5	0.56	
S.	11	57.4	8.0	0.41	
N.	0	Normals for Summer. 53.7 4.28 10.57			THURSDAY, 11th JUNE. St. Barnabas.
E.	1	55.7	5.32	8.31	
	2	57.4	5.85	6.98	
	3	59.2	6.51	6.59	
	4	58.7	5.85	7.05	FRIDAY, 12th JUNE.
	5	60.2	6.73	6.50	
W.	6	56.3	5.59	11.03	
	7	57.8	5.78	8.92	
	8	58.8	6.38	8.57	SATURDAY, 13th JUNE. Beginning of 3 days continuous rainfall in London, 1903.
	9	56.6	4.73	9.90	
	10	58.1	5.34	9.66	
S.	11	60.4	7.83	6.76	

7TH JUNE TO 13TH JUNE, 1914.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B. Th.	An. R.		°F.	°F.	G.M.T.				
157-158.	SUNDAY.	158.	V F E A K	V F E A K	h. m.	h. m.	h. m.	h. m.	h. m.
			75.5	42.6	3 48	11 59	20 12		
			72.2	36.8	3 19	12 7	20 55		
			—	—	3 37	— 11	20 46		
			73.6	45.0	4 14	— 19	20 24		
			76.9	43.9	4 24	— 39	20 55		
Weekly Schedule, 22 posted.									
	MONDAY.	159.	76.8	42.0	3 47	12 0	20 13		
			71.7	35.4	3 18	— 7	20 56		
			—	—	3 37	— 12	20 47		
			72.5	43.7	4 13	— 19	20 25		
			77.4	44.9	4 24	— 40	20 56		
Send Anemograms, 153-159; Weekly Barograms, &c., 22.									
159-160.	TUESDAY.	160.	79.1	38.5	3 47	12 0	20 13		
			67.0	35.0	3 17	— 7	20 57		
			—	—	3 36	— 12	20 48		
			69.4	43.0	4 13	— 19	20 26		
			73.9	42.3	4 24	— 40	20 57		
	WEDNESDAY.	161.	80.7	41.6	3 46	12 0	20 14		
			67.2	32.0	3 17	— 8	20 59		
			—	—	3 35	— 12	20 49		
			67.3	46.4	4 13	— 19	20 27		
			73.3	42.5	4 23	— 40	20 57		
161-162.	THURSDAY.	162.	86.5	40.2	3 46	12 0	20 15		
			70.1	41.3	3 16	— 8	21 0		
			—	—	3 35	— 12	20 50		
			70.2	46.1	4 12	— 20	20 28		
			76.2	44.6	4 23	— 40	20 58		
Send Curves, 153-158; An. and R., 152-158; Journals, Tabulations, &c., 25 and 26.									
	FRIDAY.	163.	81.7	42.5	3 46	12 0	20 15		
			74.2	38.5	3 16	— 8	21 0		
			—	—	3 34	— 12	20 51		
			69.2	47.0	4 12	— 20	20 28		
			70.0	45.3	4 23	— 40	20 58		
163-164.	SATURDAY.	164.	81.1	39.4	3 46	12 1	20 16		
			70.6	38.5	3 15	— 8	21 1		
			—	—	3 34	— 13	20 52		
			71.1	44.8	4 12	— 20	20 29		
			70.2	43.7	4 23	— 41	20 59		
Journals, &c., 27. Electrical, Seismological, and Magnetic Tabulations. 153-158.									

THIRD WEEK OF SUMMER.				YEAR XXXVII.		WEEK No. 24.	
Dist.	Normals, 1881-1905.			Historical Notes.			
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.						
N.	°F.	hrs. per day.	in.	SUNDAY, 14th JUNE.			
0	53.4	4.9	0.69				
E.							
1	54.8	6.0	0.54				
2	56.0	6.2	0.42				
3	57.8	6.8	0.43				
4	57.6	6.1	0.48				
5	58.5	7.0	0.40	MONDAY, 15th JUNE. Department of Board of Trade initiated by Mr. Cardwell for Marine Meteorology, 1854.			
W.							
6	56.0	6.2	0.72				
7	57.0	6.3	0.58				
8	57.6	6.8	0.54				
9	56.0	5.5	0.66				
10	57.4	5.9	0.63	TUESDAY, 16th JUNE.			
S.							
11	58.5	8.1	0.41				
				WEDNESDAY, 17th JUNE. Third Earl of Rosse born, 1800.			
				THURSDAY, 18th JUNE.			
				FRIDAY, 19th JUNE. St. Protais.			
				SATURDAY, 20th JUNE.			

14TH JUNE TO 20TH JUNE, 1914.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.					
		Highest.	Lowest.						
B. Th.	An. R.	°F.	°F.	G.M.T.					
		VFEAK	VFEAK	h. m.	h. m.	h. m.			
		79.7	41.9	3 45	12 1	20 17			
		68.0	37.0	3 15	- 8	21 2			
		75.4	44.3	3 33	- 13	20 53			
		71.6	44.1	4 11	- 20	20 29			
				4 22	- 41	20 59			
Weekly Schedule, 23 posted.									
165-166.	166.	82.5	38.2	3 45	12 1	20 17			
		73.0	37.0	3 15	- 9	21 3			
		78.8	43.4	3 33	- 13	20 53			
		75.1	45.9	4 11	- 20	20 30			
				4 22	- 41	21 0			
MONDAY.									
TUESDAY.									
167-168.	167.	82.6	41.4	3 45	12 1	20 17			
		74.9	38.5	3 15	- 9	21 4			
		74.0	45.9	3 33	- 13	20 54			
		78.4	42.0	4 11	- 21	20 30			
				4 22	- 41	21 0			
WEDNESDAY.									
167-168.	168.	84.6	41.3	3 45	12 2	20 18			
		70.1	39.6	3 14	- 9	21 4			
		75.1	45.9	3 32	- 13	20 54			
		77.9	46.6	4 11	- 21	20 31			
				4 22	- 42	21 1			
THURSDAY.									
169-170.	169.	83.4	42.1	3 45	12 2	20 19			
		74.0	41.3	3 14	- 9	21 4			
		74.9	46.0	3 33	- 14	20 55			
		78.9	46.2	4 11	- 21	20 31			
				4 22	- 42	21 1			
FRIDAY.									
169-170.	170.	86.1	45.2	3 45	12 2	20 19			
		68.4	41.5	3 14	- 9	21 5			
		80.1	47.3	3 33	- 14	20 56			
		80.6	43.0	4 11	- 21	20 32			
				4 22	- 42	21 2			
SATURDAY.									
Journals, &c., 28.	171.	80.2	45.0	3 45	12 2	20 19			
		70.9	39.1	3 14	- 10	21 5			
Electrical, Seismological, and Magnetic Tabulations, 159-166.		70.9	48.1	3 33	- 14	20 56			
		77.2	42.5	4 11	- 21	20 32			
				4 22	- 42	21 2			

FOURTH WEEK OF SUMMER.				YEAR XXXVII.	WEEK No. 25.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 21st JUNE. Georg von Neumayer born, 1821.	
0	54.3	4.6	0.73		
E.					
1	56.0	6.0	0.55		
2	57.6	6.5	0.44		
3	59.6	7.3	0.37	MONDAY, 22nd JUNE. Hon. Ralph Abercromby died, 1897.	
4	59.2	6.5	0.48		
5	60.2	7.5	0.37		
W.					
6	56.9	6.1	0.72		
7	58.2	6.4	0.59	TUESDAY, 23rd JUNE.	
8	58.8	7.0	0.51		
9	57.1	5.1	0.64		
10	58.5	5.6	0.60		
S.					
11	59.8	8.4	0.40	WEDNESDAY, 24th JUNE. St. John. Midsummer Day. Frost on Midsummer Day; so vehement that corn and fruit were destroyed, 1035.—(LOWE.)	
				THURSDAY, 25th JUNE.	
				FRIDAY, 26th JUNE. William Thomson, Lord Kelvin born, 1824. Sir Edward Sabine died, 1883.	
				SATURDAY, 27th JUNE.	

21ST JUNE TO 27TH JUNE 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 171-172.	AN. R. 172.	°F. VFEAK	°F. VFEAK	G.M.T.		
	SUNDAY.	84.0	44.0	h. m.	h. m.	h. m.
		69.0	40.0	3 45	12 2	20 19
				3 14	- 10	21 5
				3 33	- 14	20 56
		70.9	47.0	4 12	- 22	20 32
		74.6	44.3	4 22	- 42	21 2
Weekly Schedule, 24 posted.						
	MONDAY.	77.3	41.0	3 45	12 3	20 20
		72.2	41.6	3 15	- 10	21 6
	Send Anemograms, 167-173; Weekly Barograms, &c., 24.	73.2	46.6	3 33	- 14	20 56
		74.5	47.8	4 12	- 22	20 32
				4 23	- 43	21 3
173-174.	TUESDAY.	81.8	46.9	3 46	12 3	20 20
		69.4	41.7	3 15	- 10	21 6
				3 34	- 15	20 57
		73.1	49.0	4 12	- 22	20 32
		78.3	45.8	4 23	- 43	21 3
	WEDNESDAY.	84.0	46.5	3 46	12 3	20 20
		70.9	40.9	3 15	- 10	21 6
				3 34	- 15	20 57
		71.1	47.9	4 12	- 22	20 32
		77.7	46.3	4 23	- 43	21 3
175-176.	THURSDAY.	82.1	42.3	3 46	12 3	20 20
		76.7	39.3	3 16	- 11	21 7
	Send Curves, 167-172; An. and R., 166-172; Journals, Tabulations, &c., 28.	70.1	48.7	3 34	- 15	20 57
		74.6	45.6	4 13	- 23	20 33
				4 23	- 43	21 3
	FRIDAY.	85.6	43.7	3 46	12 3	20 20
		75.0	40.0	3 16	- 11	21 6
				3 34	- 15	20 56
		74.9	49.6	4 13	- 23	20 32
		80.0	46.0	4 23	- 43	21 3
177-178.	SATURDAY.	83.9	41.3	3 47	12 4	20 20
		75.4	42.0	3 17	- 11	21 6
	Journals, &c., 29. Electrical, Seismological, and Magnetic Tabulations, 167- 172.	73.0	50.0	3 35	- 16	20 57
		71.4	47.4	4 14	- 23	20 32
				4 24	- 44	21 3
	Report for May issued.					

FIFTH WEEK OF SUMMER.				YEAR XXXVII.	WEEK No. 26.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 28th JUNE.	
0	54.5	4.4	0.78		
E.					
1	56.3	5.7	0.63		
2	58.6	6.7	0.46		
3	60.5	7.4	0.42		
4	59.9	6.7	0.47	MONDAY, 29th JUNE. S.S. Peter and Paul.	
5	61.0	7.6	0.40		
W.					
6	57.1	5.9	0.79		
7	58.7	6.4	0.58		
8	59.4	7.0	0.53		
9	57.4	4.8	0.63	TUESDAY, 30th JUNE.	
10	58.8	5.4	0.60	First issue of forecasts for Harvest season. 1879.	
S.					
11	60.6	8.5	0.45		
N.	Normals for July.			WEDNESDAY, 1st JULY.	
0	54.9	4.10	3.52	Administration of Kew and Eskdale observatories transferred to M.O. 1910.	
E.					
1	56.6	5.25	3.00		
2	58.7	6.18	2.44	THURSDAY, 2nd JULY.	
3	60.6	6.79	2.31		
4	60.0	6.03	2.41		
5	61.4	6.97	2.19		
W.					
6	57.3	5.57	3.61		
7	58.9	5.87	3.04	FRIDAY, 3rd JULY. Dog Days, July 3-Aug. 11.	
8	59.8	6.38	2.97		
9	57.4	4.47	3.29		
10	59.0	5.06	3.10		
S.					
11	61.3	7.91	2.33	SATURDAY, 4th JULY. St. Martin Bullion.	

28TH JUNE TO 4TH JULY, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F), and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F	°F	G.M.T.		
SUNDAY.	179.	V F E A K	V F E A K	h. m.	h. m.	h. m.
		79.9	48.3	3 48	12 4	20 20
		72.2	38.9	3 17	- 11	21 6
				3 36	- 16	20 56
		73.9	49.0	4 14	- 23	20 32
		72.5	46.0	4 25	- 44	21 3
Weekly Schedule, 25 posted.						
179-180.	180.					
MONDAY.		83.4	48.1	3 48	12 4	20 20
		69.8	45.9	3 18	- 12	21 5
				3 36	- 16	20 56
		73.4	46.9	4 15	- 23	20 32
		76.1	49.2	4 25	- 44	21 3
Send Anemograms, 174-180; Weekly Barograms, &c., 25.						
	181.					
TUESDAY.		78.6	44.0	3 49	12 4	20 19
Journals, &c., 30.		70.1	42.5	3 19	- 12	21 5
Completion of Magnetic material for Hourly Values (Year Book, Pt. IV. 2).				3 37	- 16	20 55
Electrical Material for Hourly Values completed to 31st March.		70.4	48.3	4 16	- 24	20 32
Material for Geophysical Journal for April due at M.O.		76.6	48.4	4 26	- 44	21 2
181-182.	182.					
WEDNESDAY.		80.7	42.8	3 49	12 4	20 19
		76.3	44.5	3 19	- 12	21 4
				3 37	- 16	20 55
		73.8	48.1	4 16	- 24	20 32
		73.9	47.0	4 26	- 44	21 2
183.						
THURSDAY.		83.3	47.3	3 50	12 5	20 19
Send Curves, 173-180; An. and R., 173-179; Journals, Tabulations, &c., 29.		76.4	44.0	3 20	- 12	21 4
International Day.				3 38	- 17	20 54
		74.2	48.2	4 17	- 24	20 31
		71.9	48.5	4 27	- 45	21 2
183-184.	184.					
FRIDAY.		85.3	49.9	3 51	12 5	20 19
		73.4	42.3	3 21	- 12	21 3
				3 39	- 17	20 54
		73.8	49.0	4 17	- 24	20 31
		72.7	47.4	4 28	- 45	21 2
185.						
SATURDAY.		84.7	46.9	3 52	12 5	20 18
Journals, &c., 31.		74.7	39.9	3 22	- 12	21 2
Electrical, Seismological, and Magnetic Tabulations, 173-180.				3 40	- 17	20 53
Send Curves and Tabulations for June.		77.5	47.8	4 18	- 24	20 30
Climatological Stations send Schedules for June.		70.4	48.0	4 29	- 45	21 1

SIXTH WEEK OF SUMMER.				YEAR XXXVII.		WEEK No. 27.					
Dist.	Normals, 1881-1905.			Historical Notes.							
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.										
N.	°F.	hrs. per day.	in.	SUNDAY, 5th JULY. Admiral Robert FitzRoy born, 1805. Issue of lithographed copies of Daily Weather Report begun, 1868.							
0	54.7	4.2	0.80								
E.	1	56.5	5.3					0.71			
2	58.8	6.4	0.48								
3	60.7	7.1	0.52								
4	60.1	6.3	0.50	MONDAY, 6th JULY. William Clement Ley born, 1840.							
5	61.5	7.3	0.47								
W.	6	57.2	5.7					0.85			
7	58.9	6.2	0.63								
8	59.8	6.6	0.64								
9	57.4	4.6	0.73	TUESDAY, 7th JULY. "Marvellous tempest of thunder" near Notting- ham. Hailstones 15 in. in circumference. 1558. —(LOWE.)							
10	58.9	5.2	0.69								
S.	11	61.2	8.1					0.52			
								WEDNESDAY, 8th JULY. Thunder and hailstorms over England and S. Scotland. Hailstones 6-7 in. in circumference fell at Richmond, Yorks, 1893.—(Q.J.). Kashgar earthquake, 1905.			
								THURSDAY, 9th JULY. George Howard Darwin born, 1845. Administration of the Office transferred from the Meteorological Committee of the Royal Society to the Meteorological Council, 1877.			
				FRIDAY, 10th JULY.							
				SATURDAY, 11th JULY. Scottish Meteorological Society founded, 1855.							

5TH JULY TO 11TH JULY, 1914.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B. Th.	An. R.		°F.	°F.	G.M.T.				
185-186.	186.		VFEAK	VFEAK	h. m.	h. m.	h. m.	h. m.	h. m.
		SUNDAY.	90.0	46.2	3 52	12 5	20 18		
			74.5	41.0	3 23	— 13	21 2		
			75.0	49.6	3 41	— 17	20 53		
		Weekly Schedule, 26 posted.	72.6	48.4	4 19	— 25	20 30		
					4 29	— 45	21 1		
			°F.	°F.					
		MONDAY.	88.4	47.9	3 53	12 6	20 17		
			71.2	38.9	3 24	— 13	21 1		
		Send Anemograms, 181-187; Weekly Barograms, &c., 26.	71.9	49.2	3 42	— 17	20 52		
			71.4	46.5	4 19	— 25	20 30		
					4 30	— 46	21 0		
			°F.	°F.					
187-188.	188.	TUESDAY.	85.6	45.2	3 54	12 6	20 17		
			74.4	41.1	3 25	— 13	21 0		
			70.7	47.5	3 43	— 17	20 52		
			70.4	48.6	4 20	— 25	20 30		
					4 31	— 46	21 0		
			°F.	°F.					
		WEDNESDAY.	83.8	43.6	3 55	12 6	20 17		
			70.9	41.8	3 26	— 13	20 59		
			75.7	46.0	3 44	— 18	20 51		
			71.9	49.8	4 20	— 25	20 29		
					4 32	— 46	20 59		
			°F.	°F.					
189-190.	190.	THURSDAY.	86.9	47.1	3 56	12 6	20 16		
			72.5	40.6	3 27	— 13	20 58		
		Send Curves, 181-186; An. and R., 180-186; Journals, Tabulations, &c., 30, 31.	70.5	48.2	3 45	— 18	20 50		
			73.1	48.8	4 21	— 25	20 28		
					4 33	— 46	20 59		
			°F.	°F.					
		FRIDAY.	85.7	48.0	3 57	12 6	20 15		
			73.1	41.6	3 28	— 13	20 57		
			69.9	48.1	3 46	— 18	20 49		
			74.3	45.4	4 22	— 25	20 27		
					4 34	— 46	20 58		
			°F.	°F.					
191-192.	192.	SATURDAY.	83.2	43.6	3 58	12 6	20 14		
		Journals, &c., 32.	70.2	41.6	3 30	— 14	20 57		
		Electrical, Seismological, and Magnetic Tabulations, 181-186.	72.7	47.1	3 47	— 18	20 48		
			70.2	47.0	4 23	— 25	20 27		
					4 35	— 46	20 58		

SEVENTH WEEK OF SUMMER.				YEAR XXXVII.	WEEK No. 28.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 12th JULY.	
0	55.0	4.1	0.78	Heavy rainfall at Maidenhead, 3.63 in. in 1 hour, 1901.	
E.				Final meeting of the Meteorological Council, 1905.	
W.				MONDAY, 13th JULY.	
S.				TUESDAY, 14th JULY. S.S. Processus and Martinian.	
11	61.5	7.5	0.57	Heavy rainfall over Monmouthshire, 5 in. in 24 hrs., 1875.	
				WEDNESDAY, 15th JULY. St. Swithin.	
				Beginning of four days' spell of very hot weather over England S.E., 97.6° at Greenwich, 95° at Camden Square; and with abnormal exposure, 101° at Alton, Hants, 100° at Alderbury, Salisbury, 1881.—(S.M.)	
				THURSDAY, 16th JULY.	
				FRIDAY, 17th JULY.	
				"Hailstorm in Suffolk. Hailstones 9 in., 8 in., 12 in. At Friston Hall, one weighed 12s. 6d." 1666.—(LOWE.)	
				SATURDAY, 18th JULY.	

12TH JULY TO 18TH JULY, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
		VFEAK	VFEAK	h. m.	h. m.	h. m.
SUNDAY.	193.	81.4	44.0	3 59	12 6	20 13
		77.0	41.6	3 32	— 14	20 56
		—	—	3 49	— 18	20 47
		69.0	47.8	4 24	— 26	20 26
Weekly Schedule, 27 posted.		72.9	50.0	4 36	— 46	20 57
194-195.	194.	84.0	43.9	4 0	12 6	20 12
MONDAY.		73.1	41.1	3 33	— 14	20 55
Send Anemograms, 188-194; Weekly Barograms, &c., 27.		73.7	46.9	3 50	— 18	20 46
		70.8	48.3	4 25	— 26	20 26
		—	—	4 37	— 46	20 56
	195.	85.6	46.6	4 1	12 7	20 12
TUESDAY.		73.5	43.6	3 34	— 14	20 53
		73.2	47.0	3 51	— 18	20 45
		77.9	44.8	4 26	— 26	20 25
		—	—	4 38	— 47	20 55
196-197.	196.	89.8	46.6	4 3	12 7	20 11
WEDNESDAY.		74.3	43.4	3 36	— 14	20 52
		76.3	49.0	3 52	— 19	20 44
		79.5	48.6	4 27	— 26	20 24
		—	—	4 39	— 47	20 54
	197.	89.4	44.1	4 4	12 7	20 10
THURSDAY.		84.9	41.2	3 37	— 14	20 50
Send Curves, 186-194; An. & R., 187-193; Journals, Tabulations, &c., 32.		74.0	50.9	3 54	— 19	20 43
		72.9	47.1	4 28	— 26	20 23
		—	—	4 40	— 47	20 53
197-198.	198.	85.0	48.7	4 5	12 7	20 9
FRIDAY.		77.4	44.7	3 39	— 14	20 49
		80.0	51.3	3 56	— 19	20 42
		73.3	49.7	4 29	— 26	20 22
		—	—	4 41	— 47	20 52
	199.	85.4	45.3	4 6	12 7	20 8
SATURDAY.		78.5	43.9	3 40	— 14	20 47
Journals, &c., 33.		75.0	51.4	3 57	— 19	20 40
Electrical, Seismological, and Magnetic Tabulations, 186-194.		44.7	49.2	4 30	— 26	20 21
		—	—	4 42	— 47	20 51

NINTH WEEK OF SUMMER.				YEAR XXXVII.	WEEK No. 30.
Normals, 1881-1905.					
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.			Historical Notes.	
N.	°F.	hrs. per day.	in.	SUNDAY, 26th JULY.	
0	55·1	3·7	0·86		
E.					
1	56·6	5·0	0·63		
2	58·7	5·6	0·69		
3	60·5	6·2	0·49		
4	59·8	5·6	0·56		
5	61·5	6·4	0·48	MONDAY, 27th JULY. Sir George Biddell Airy born, 1801.	
W.					
6	57·2	5·3	0·87		
7	59·0	5·4	0·78		
8	59·9	6·1	0·67		
9	57·6	4·3	0·81		
10	59·2	4·9	0·81	TUESDAY, 28th JULY. Thunderstorm at South Kensington, 1·1 in. of rain in 15 mins., 1911.	
S.					
11	61·7	8·0	0·53		
Normals for August.				WEDNESDAY, 29th JULY.	
N.					
0	54·5	3·69	4·29		
E.					
1	55·8	4·80	3·17		
2	57·8	5·18	2·74		
3	59·7	5·95	2·34		
4	58·8	5·35	2·65	THURSDAY, 30th JULY.	
5	60·8	6·27	2·48		
W.					
6	56·5	4·96	4·60		
7	58·1	5·02	3·67		
8	59·1	5·95	3·38		
9	56·8	4·23	4·01		
10	58·2	4·93	4·09	FRIDAY, 31st JULY.	
S.					
11	61·5	7·03	2·68		
				SATURDAY, 1st AUGUST. Lammas Day. Weather forecasts first issued by Admiral FitzRoy in this month, 1861. First report by radiotelegraphy from Gibraltar, 1910.	

26TH JULY TO 1ST AUGUST, 1914.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.					
		Highest.	Lowest.						
B. Th.	An. R.	°F.	°F.	G.M.T.					
SUNDAY.	207.	V FEAK 85·4 68·8 — 79·5 73·1	V FEAK 43·2 42·2 — 50·1 46·9	h. m.	h. m.	h. m.			
Weekly Schedule, 29 posted.				4 17	12 7	19 57			
				3 55	- 15	20 34			
				4 10	- 19	20 28			
				4 42	- 27	20 12			
				4 55	- 47	20 40			
207-208.	208.								
MONDAY.		82·0 69·0 — 74·1 75·8	46·9 40·7 — 51·0 46·2	4 18	12 7	19 56			
Send Anemograms, 202-208 ; Weekly Barograms, &c., 29. Report for June issued.				3 57	- 15	20 32			
				4 12	- 19	20 26			
				4 43	- 27	20 10			
				4 56	- 47	20 39			
	209.								
TUESDAY.		76·9 69·6 — 72·0 77·0	44·1 37·7 — 49·4 44·6	4 19	12 7	19 55			
				3 59	- 15	20 30			
				4 13	- 19	20 24			
				4 44	- 27	20 9			
				4 57	- 47	20 38			
209-210.	210.								
WEDNESDAY.		79·2 74·5 — 70·4 75·5	45·3 43·0 — 50·2 49·3	4 21	12 7	19 53			
				4 1	- 15	20 28			
				4 15	- 19	20 22			
				4 46	- 27	20 8			
				4 58	- 47	20 37			
	211.								
THURSDAY.		80·8 75·0 — 74·0 74·9	46·3 43·6 — 51·6 45·4	4 22	12 7	19 52			
Send Curves, 201-208 ; An. and R., 201-207 ; Journals, Tabulations, &c., 34.				4 3	- 15	20 26			
				4 17	- 19	20 21			
				4 47	- 27	20 6			
				4 59	- 47	20 36			
211-212.	212.								
FRIDAY.		82·8 68·9 — 70·3 75·8	46·7 41·7 — 51·0 45·8	4 24	12 7	19 50			
Journals, &c., 35. Material for Geophysical Jour- nal for May due at M.O.				4 5	- 15	20 24			
				4 19	- 19	20 19			
				4 48	- 26	20 4			
				5 1	- 47	20 34			
	213.								
SATURDAY.		81·0 79·6 — 70·7 76·9	48·1 41·3 — 49·8 48·4	4 25	12 7	19 49			
Journals, &c., 36. Electrical, Seismological, and Magnetic Tabulations, 201- 208.				4 7	- 15	20 22			
				4 21	- 19	20 17			
				4 49	- 26	20 2			
				5 3	- 47	20 32			

TENTH WEEK OF SUMMER.			YEAR XXXVII.	WEEK No. 31.
Normals, 1881-1905.				
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.		Historical Notes.	
	°F.	hrs. per day.	in.	
N.	0	54.8	3.6	0.93
SUNDAY, 2nd AUGUST. Exceptionally destructive hailstorm over the east Midland Counties: value of uninsured crops destroyed estimated at £55,000, 1906.—(M.W.R.)				
E.	1	56.2	4.9	0.71
	2	58.4	5.4	0.60
	3	60.2	6.2	0.49
	4	59.4	5.6	0.54
	5	61.3	6.5	0.46
MONDAY, 3rd AUGUST. Destructive hailstorm at Kew, 1879.				
W.	6	56.8	5.1	1.00
	7	58.6	5.3	0.77
	8	59.6	6.2	0.65
	9	57.3	4.3	0.89
	10	58.8	5.1	0.92
TUESDAY, 4th AUGUST. "Exceeding great and terrible tempeste" at Bongay, near Norwich. 1577.—(LOWE.)				
S.	11	61.8	8.2	0.56
WEDNESDAY, 5th AUGUST.				
THURSDAY, 6th AUGUST. George James Symons born, 1838. 9½ in. of rainfall at Scarborough, 1857. Johann von Lamont died, 1879.				
FRIDAY, 7th AUGUST. Elias Loomis born, 1811.				
SATURDAY, 8th AUGUST. First printed Daily Weather Map issued at the Great Exhibition, 1851.—(S.M.)				

2ND AUGUST TO 8TH AUGUST, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 213-214.	AN. R. 214.	°F. VFEAK 80.7 71.8	°F. VFEAK 45.9 41.0	G.M.T. h. m. h. m. h. m.		
SUNDAY.		71.3	49.2	4 27	12 7	19 47
Weekly Schedule, 30 posted.		79.4	46.0	4 9	15 20	20 20
				4 22	19 20	15 15
				4 51	26 20	1 1
				5 5	47 20	30 30
MONDAY. 215.		79.3	44.1	4 29	12 7	19 45
M.O. Press closed.		70.6	43.1	4 10	14 20	17 17
Send Anemograms, 209-215 ;		73.0	48.4	4 24	19 20	13 13
Weekly Barograms, &c., 30.		77.4	48.2	4 52	26 19	59 59
				5 7	47 20	28 28
215-216. TUESDAY. 216.		87.7	48.3	4 31	12 7	19 43
Daily Reports for 2nd, 3rd, and 4th issued.		71.5	37.7	4 12	14 20	15 15
Climatological Stations send Schedules for July.		73.0	47.7	4 26	19 20	11 11
		71.1	49.0	4 53	26 19	58 58
				5 9	47 20	26 26
217. WEDNESDAY.		86.6	45.1	4 32	12 7	19 42
Send curves and tabulations for July.		73.8	42.4	4 14	14 20	13 13
		73.3	46.0	4 28	19 20	9 9
		70.6	49.8	4 55	26 19	57 57
				5 11	47 20	24 24
217-218. THURSDAY. 218.		84.5	46.3	4 34	12 7	19 40
Send Curves, 209-214 ; An. and Th., 208-214 ; Journals, Tabulations, &c., 35 and 36.		73.5	40.3	4 16	14 20	11 11
		71.9	49.3	4 30	19 20	7 7
		71.2	50.8	4 56	26 19	55 55
				5 12	47 20	23 23
International Day.						
219. FRIDAY.		82.5	48.8	4 35	12 7	19 39
		69.5	47.4	4 19	14 20	9 9
		73.5	49.2	4 31	18 20	5 5
		73.3	49.7	4 58	26 19	54 54
				5 13	47 20	22 22
219-220. SATURDAY. 220.		86.9	47.0	4 36	12 6	19 37
Journals, &c., 37.		71.1	44.4	4 21	14 20	7 7
Electrical, Seismological, and Magnetic Tabulations, 209-214.		73.1	47.0	4 33	18 20	3 3
		74.0	48.2	5 0	26 19	52 52
				5 14	46 20	20 20

ELEVENTH WEEK OF SUMMER.				YEAR XXXVII.	WEEK No. 32.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 9th AUGUST.	
0	54.8	3.9	0.92	Hottest day on record in London, 100° at Greenwich (Glaisher screen), 97° at South Kensington, 1911.	
E.				Earthquake, Sea of Marmora, 1912.	
1	55.9	4.9	0.74		
2	58.0	5.3	0.58		
3	60.0	6.1	0.55		
4	59.1	5.6	0.59		
5	61.1	6.5	0.55		
W.				MONDAY, 10th AUGUST. St. Lawrence.	
6	56.7	5.1	1.03		
7	58.3	5.2	0.80		
8	59.3	6.2	0.73		
9	57.1	4.4	0.91		
10	58.4	5.2	0.97		
S.				TUESDAY, 11th AUGUST.	
11	61.7	7.8	0.60		
				WEDNESDAY, 12th AUGUST.	
				THURSDAY, 13th AUGUST.	
				Sir G. G. Stokes born, 1819.	
				FRIDAY, 14th AUGUST.	
				Elias Loomis died, 1889.	
				SATURDAY, 15th AUGUST. Assumption.	
				J. P. Gassiot died, 1877.	

9TH AUGUST TO 15TH AUGUST, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	221.	VFEAK	VFEAK	h. m.	h. m.	h. m.
		84.2	47.5	4 37	12 6	19 35
		72.9	40.2	4 23	14 20	5
				4 35	18 20	1
		73.0	50.7	5 1	26 19	50
Weekly Schedule, 31 posted.		72.5	48.8	5 16	46 20	18
222-223.	222.			4 39	12 6	19 33
MONDAY.		80.7	47.1	4 25	14 20	3
		76.4	37.7	4 37	18 19	59
Send Anemograms, 216-222 ; Weekly Barograms, etc., 31.		72.0	50.4	5 2	26 19	48
		73.6	49.4	5 17	46 20	16
	223.			4 41	12 6	19 31
TUESDAY.		89.2	43.8	4 27	14 20	0
		79.7	39.2	4 39	18 19	57
		75.4	48.0	5 3	25 19	46
		76.6	50.0	5 19	46 20	14
224-225.	224.			4 42	12 6	19 30
WEDNESDAY.		85.4	46.0	4 29	13 19	57
		75.0	43.2	4 41	18 19	55
		73.2	50.8	5 5	25 19	45
		78.5	50.2	5 21	46 20	12
	225.			4 44	12 6	19 28
THURSDAY.		92.3	46.0	4 31	13 19	55
		71.3	40.6	4 43	18 19	52
Send Curves, 215-222 ; An. and R., 215-221 ; Journals, Tabulations, &c., 37.		79.0	48.2	5 7	25 19	43
		75.5	47.8	5 23	46 20	10
226-227.	226.			4 46	12 6	19 26
FRIDAY.		87.1	42.1	4 33	13 19	53
		69.9	39.9	4 44	17 19	50
		73.5	47.5	5 8	25 19	41
		76.5	46.7	5 25	46 20	8
	227.			4 47	12 5	19 23
SATURDAY.		87.3	41.5	4 35	13 19	50
		76.5	42.5	4 46	17 19	48
Journals, &c., 38.		73.3	48.9	5 10	25 19	39
Electrical, Seismological, and Magnetic Tabulations, 215-222.		77.2	48.0	5 26	45 20	6

TWELFTH WEEK OF SUMMER.				YEAR XXXVII.	WEEK No. 33.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 16th AUGUST. Beginning of two days' thunderstorm over the metropolis, 1887.—(S.M.)	
0	54.4	3.7	1.00		
E.					
1	55.6	4.8	0.75		
2	57.5	5.0	0.62		
3	59.4	5.9	0.56	MONDAY, 17th AUGUST.	
4	58.4	5.3	0.65		
5	60.6	6.2	0.63		
W.					
6	56.3	4.8	1.09		
7	57.9	4.9	0.89	TUESDAY, 18th AUGUST.	
8	58.9	5.9	0.86		
9	56.5	4.2	0.94		
10	57.9	4.8	0.98		
S.					
11	61.4	7.2	0.65	WEDNESDAY, 19th AUGUST.	
				THURSDAY, 20th AUGUST.	
				FRIDAY, 21st AUGUST.	
				SATURDAY, 22nd AUGUST.	

16TH AUGUST TO 22ND AUGUST, 1914.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B. Th. 227-228.	An. R. 228.		°F. VFEAK	°F. VFEAK	G.M.T.				
	SUNDAY.		86.7	44.8	h. m.	h. m.	h. m.	h. m.	h. m.
			73.1	44.9	4 49	12 5	19 21	4 37	13 19 48
			74.1	50.5	4 48	17	19 46	5 11	25 19 38
	Weekly Schedule, 32 posted.		72.2	46.5	5 27	45	20 4		
	229.								
	MONDAY.		88.6	46.7	4 51	12 5	19 20	4 39	12 19 45
			73.7	40.4	4 50	17	19 44	5 12	24 19 36
	Send Anemograms 223-229; Weekly Barograms, etc., 32.		72.8	49.2	5 29	45	20 2		
			70.2	47.8					
	229-230.	230.							
	TUESDAY.		88.3	48.3	4 52	12 5	19 18	4 41	12 19 43
			73.2	39.1	4 52	17	19 42	5 14	24 19 34
			73.4	49.4	5 31	45	20 0		
			75.2	49.8					
	231.								
	WEDNESDAY.		82.7	43.4	4 53	12 5	19 16	4 43	12 19 40
			71.4	34.6	4 54	16	19 39	5 16	24 19 32
			75.0	50.7	5 33	45	19 58		
			75.5	49.8					
	231-232.	232.							
	THURSDAY.		80.0	48.5	4 54	12 4	19 14	4 45	12 19 38
			72.8	40.0	4 56	16	19 36	5 17	24 19 30
	Send Curves, 223-228; An. and R., 222-228; Journals, Tabulations, &c., 38.		70.2	49.8	5 34	44	19 56		
			76.6	48.3					
	233.								
	FRIDAY.		79.9	45.5	4 56	12 4	19 12	4 47	12 19 36
			70.5	43.4	4 58	16	19 34	5 18	23 19 28
			73.0	49.7	5 36	44	19 53		
			80.1	50.3					
	233-234.	234.							
	SATURDAY.		83.9	45.0	4 58	12 4	19 10	4 49	11 19 33
	Journals, &c., 39.		69.8	42.8	5 0	16	19 32	5 20	23 19 26
	Electrical, Seismological, and Magnetic Tabulations, 223-228.		70.2	51.8	5 38	44	19 51		
			75.1	47.1					

THIRTEENTH WEEK OF SUMMER.				YEAR XXXVII.	WEEK No. 34.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 23rd AUGUST.	
0	53.7	3.5	1.11	First meeting of Maritime Conference at Brussels, 1853.	
E.					
1	54.8	4.5	0.71		
2	56.7	4.7	0.64		
3	58.5	5.5	0.54		
4	57.4	4.8	0.64		
5	59.6	5.7	0.66		
W.				MONDAY, 24th AUGUST. St. Bartholomew.	
6	55.5	4.5	1.14		
7	57.0	4.5	0.89		
8	58.1	5.4	0.89		
9	55.6	3.9	0.95		
10	57.1	4.5	0.89		
S.				TUESDAY, 25th AUGUST.	
11	60.7	6.5	0.66	Great rainfall in east Ireland, 1905.	
				WEDNESDAY, 26th AUGUST.	
				Krakatoa eruption, 1883.	
				Flood rainfall in East Anglia, 1912. More than 8 in. rain near Norwich.	
				THURSDAY, 27th AUGUST.	
				Krakatoa eruption, 1883.	
				FRIDAY, 28th AUGUST.	
				Magnetic Storm, 1859.	
				SATURDAY, 29th AUGUST.	

23RD AUGUST TO 29TH AUGUST, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F), and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	235.	V F E A K	V F E A K	h. m.	h. m.	h. m.
		80.4	45.0	5 0	12 4	19 8
		70.1	38.8	4 51	11	19 30
		72.3	50.8	5 1	15	19 29
		75.8	45.5	5 22	23	19 24
				5 40	44	19 49
Weekly Schedule, 33 posted.						
235-236.	236.	85.4	42.0	5 1	12 3	19 5
MONDAY.		69.8	41.4	4 54	11	19 28
Send Anemograms, 229-236 ;		71.1	48.0	5 3	15	19 26
Weekly Barograms, etc., 33.		71.5	47.9	5 23	23	19 22
				5 41	43	19 46
TUESDAY.	237.	86.1	43.5	5 3	12 3	19 3
		69.1	36.6	4 56	11	19 25
		72.7	48.9	5 5	15	19 24
		72.8	48.0	5 24	22	19 20
				5 43	43	19 44
237-238.	238.	80.7	44.1	5 5	12 3	19 1
WEDNESDAY.		66.4	39.0	4 58	10	19 22
		71.6	50.2	5 7	15	19 22
		72.2	48.8	5 26	22	19 18
				5 44	43	19 43
THURSDAY.	239.	78.3	45.3	5 7	12 2	18 59
		67.1	42.9	5 0	10	19 20
Send Curves, 229-236 ; An.		72.5	49.7	5 9	14	19 19
and R., 229-235 ; Journals,		69.5	46.4	5 27	22	19 16
Tabulations, &c., 39.				5 45	42	19 40
Report for July issued.						
239-240.	240.	77.6	43.1	5 8	12 2	18 57
FRIDAY.		68.1	38.8	5 2	10	19 17
		69.8	48.8	5 11	14	19 16
		72.4	46.9	5 29	22	19 14
				5 47	42	19 38
SATURDAY.	241.	77.6	43.6	5 9	12 2	18 55
Journals, &c., 40.		70.6	37.9	5 4	9	19 14
Electrical, Seismological, and		69.0	46.9	5 13	14	19 14
Magnetic Tabulations, 229-236.		70.2	46.0	5 30	21	19 11
				5 49	42	19 36

FIRST WEEK OF AUTUMN.				YEAR XXXVII.	WEEK No. 35.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 30th AUGUST. 4th Earl of Rosse died, 1908. Violent gale. Great damage to Julius Caesar's Fleet, 55 B.C. (Date calculated by Halley.)— (LOWE.)	
0	53.2	3.6	0.99		
E.					
1	54.2	4.4	0.52		
2	55.9	4.8	0.60		
3	57.7	5.3	0.48	MONDAY, 31st AUGUST. Publication in the "Daily News" of the earliest known telegraphic Daily Weather Report, 1848. (Q.J.)	
4	56.5	4.7	0.51		
5	58.8	5.5	0.57		
W.					
6	54.8	4.7	0.94		
7	56.3	4.6	0.70	TUESDAY, 1st SEPTEMBER.	
8	57.5	5.3	0.71		
9	55.2	4.0	0.78		
10	56.4	4.7	0.71		
S.					
11	60.1	6.4	0.56	WEDNESDAY, 2nd SEPTEMBER. Magnetic Storm, 1859.	
N.	Normals for September.				
0	51.7	3.35	4.56		
E.					
1	52.3	3.96	2.37		
2	54.3	4.45	1.96	THURSDAY, 3rd SEPTEMBER. First Telegraphic Daily Weather Report pre- pared at the Meteorological Department, 1860.	
3	55.9	4.98	1.98		
4	54.8	4.39	2.06		
5	57.2	5.11	2.28		
W.					
6	53.2	4.17	4.11	FRIDAY, 4th SEPTEMBER.	
7	54.9	4.26	3.00		
8	56.2	4.81	3.12		
9	53.9	3.76	3.21		
10	55.2	4.44	2.89		
S.				SATURDAY, 5th SEPTEMBER. Mr. Glaisher and Mr. Coxwell ascended in a balloon from Wolverhampton to an altitude estimated at 7 miles above the earth, 1862.	
11	59.0	6.02	2.59		

30TH AUGUST TO 5TH SEPTEMBER, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 241-242.	AN. R. 242.	°F. VFEAK 84.4 67.0	°F. VFEAK 41.7 36.7	G.M.T. h. m. h. m. h. m.		
SUNDAY.		70.2	44.1	5 11	12 2	18 52
Weekly Schedule, 34 posted.		71.1	44.8	5 6	- 9	19 12
				5 14	- 13	19 11
				5 32	- 21	19 10
				5 50	- 42	19 34
MONDAY.		84.4	40.5	5 13	12 1	18 49
Journals, &c., 41.		68.3	33.0	5 8	- 9	19 9
Send Anemograms, 237-243 ;		70.0	47.2	5 17	- 13	19 9
Weekly Barograms, &c., 34.		67.7	42.9	5 34	- 21	19 8
Material for Geophysical Journal for June due at M.O.				5 52	- 41	19 31
243-244.		80.9	36.9	5 15	12 1	18 47
TUESDAY.		70.4	34.0	5 10	- 8	19 6
Equinoctial Cards (Straight) to be used in the Sun Recorder to-day and until 12th October.		71.0	46.0	5 19	- 13	19 7
		70.6	46.3	5 34	- 20	19 5
				5 54	- 41	19 28
245.		77.5	40.8	5 17	12 1	18 45
WEDNESDAY.		67.6	36.3	5 12	- 8	19 4
		70.1	46.7	5 20	- 13	19 4
		68.3	40.9	5 36	- 20	19 3
				5 56	- 41	19 26
245-246.		81.1	44.7	5 18	12 0	18 43
THURSDAY.		78.4	36.7	5 14	- 8	19 1
Send Curves, 237-242 ; An. and R., 236-242 ; Journals, Tabulations, &c., 40.		69.7	44.9	5 22	- 12	19 1
International Day.		72.2	43.9	5 37	- 20	19 1
				5 57	- 40	19 24
247.		84.0	41.9	5 19	12 0	18 41
FRIDAY.		72.5	36.6	5 16	- 8	18 58
Climatological Stations send Schedules for August.		70.4	46.0	5 24	- 12	18 59
		74.1	42.9	5 39	- 19	18 58
				5 58	- 40	19 22
247-248.		84.2	39.7	5 21	12 0	18 39
SATURDAY.		76.2	41.0	5 18	- 7	18 56
Journals, &c., 44.		69.2	46.2	5 26	- 12	18 56
Electrical, Seismological, and Magnetic Tabulations, 237-242.		75.0	41.8	5 41	- 19	18 56
Send Curves and Tabulations for August.				6 0	- 40	19 19

SECOND WEEK OF AUTUMN.				YEAR XXXVII.	WEEK No. 36.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.	0	52.6	3.6	0.91	SUNDAY, 6th SEPTEMBER.
E.	1	53.2	4.2	0.44	MONDAY, 7th SEPTEMBER.
	2	55.0	4.8	0.46	
	3	56.8	5.2	0.39	
	4	55.7	4.7	0.40	
	5	58.0	5.4	0.44	
W.	6	53.8	4.5	0.78	TUESDAY, 8th SEPTEMBER.
	7	55.7	4.6	0.57	
	8	56.9	5.1	0.57	
	9	54.7	4.0	0.61	
	10	55.9	4.7	0.60	
S.	11	59.6	6.5	0.48	WEDNESDAY, 9th SEPTEMBER.
N.	0	46.2	2.28	15.60	
E.	1	46.4	2.75	8.56	
	2	48.2	3.06	7.29	
	3	49.1	3.42	6.87	
	4	48.1	2.98	7.36	THURSDAY, 10th SEPTEMBER. Beginning of two days Circular Storm, 1903: wind velocity 28.6 metres per second (64 mls. per hr.), Scilly.
	5	50.5	3.44	8.49	
W.	6	48.0	2.76	14.51	
	7	49.1	2.82	10.56	
	8	50.5	3.32	11.93	
	9	48.5	2.80	11.01	FRIDAY, 11th SEPTEMBER. End of two days Circular Storm, 1903.
	10	49.8	3.26	10.90	
S.	11	53.8	4.05	10.48	SATURDAY, 12th SEPTEMBER.

6TH SEPTEMBER TO 12TH SEPTEMBER, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
		V F E A K	V F E A K	h. m.	h. m.	h. m.
		78.3	40.5	5 22	11 59	18 36
		70.6	39.0	5 20	12 7	18 53
		71.9	—	5 28	— 11	18 54
		70.9	46.0	5 43	— 19	18 54
		—	41.3	6 1	— 39	19 17
Weekly Schedule, 35 posted.						
249-250.	250.	85.9	44.2	5 24	11 59	18 34
MONDAY.		73.3	38.2	5 23	12 7	18 51
Send Anemograms, 244-250 ;		—	—	5 30	— 11	18 52
Weekly Barograms, &c., 35.		71.2	48.3	5 44	— 18	18 52
		68.3	40.7	6 3	— 39	19 15
	251.	88.3	41.3	5 26	11 59	18 32
TUESDAY.		72.9	38.0	5 24	12 6	18 48
		71.0	46.4	5 32	— 11	18 49
		68.3	45.6	5 46	— 18	18 50
				6 5	— 39	19 13
251-252.	252.	80.8	40.0	5 27	11 58	18 29
WEDNESDAY.		68.0	35.3	5 27	12 6	18 45
		69.5	46.1	5 33	— 10	18 46
		68.0	40.5	5 43	— 18	18 48
				6 6	— 38	19 10
	253.	78.0	42.8	5 29	11 58	18 27
THURSDAY.		72.9	37.0	5 29	12 6	18 42
Send Curves, 243-250 ; An.		—	—	5 36	— 10	18 44
and R., 243-249 ; Journals,		68.2	44.9	5 48	— 17	18 45
Tabulations, &c., 41 and 42.		67.6	40.4	6 8	— 38	19 8
253-254.	254.	76.3	42.0	5 31	11 58	18 25
FRIDAY.		67.4	38.7	5 31	12 5	18 39
		70.9	46.9	5 38	— 10	18 42
		71.7	45.6	5 50	— 17	18 43
				6 10	— 38	19 6
	255.	78.3	41.4	5 32	11 57	18 22
SATURDAY.		76.7	34.2	5 33	12 5	18 36
Journals, &c., 43.		—	—	5 39	— 9	18 39
Electrical, Seismological, and		68.9	45.0	5 52	— 17	18 41
Magnetic Tabulations, 243-		70.5	41.7	6 11	— 37	19 4
250.						

THIRD WEEK OF AUTUMN.				YEAR XXXVII.	WEEK No. 37.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 13th SEPTEMBER.	
0	51.2	3.3	1.06		
E.					
1	51.7	3.8	0.54		
2	53.9	4.3	0.35		
3	55.6	4.9	0.42		
4	54.4	4.3	0.44		
5	56.8	5.0	0.47		
W.				MONDAY, 14th SEPTEMBER. Alexander von Humboldt born, 1769. "New Style" introduced in England. 14th fol- lowed 2nd September in 1752.	
6	52.8	4.1	0.93		
7	54.6	4.2	0.66		
8	55.9	4.7	0.69		
9	53.6	3.7	0.69		
10	54.9	4.4	0.64		
S.				TUESDAY, 15th SEPTEMBER.	
11	58.8	6.0	0.58		
				WEDNESDAY, 16th SEPTEMBER. Gabriel Daniel Fahrenheit died, 1736. First Daily Weather Map for Europe issued by de Verrier, 1863.	
				THURSDAY, 17th SEPTEMBER.	
				FRIDAY, 18th SEPTEMBER. William Ferrel died, 1891.	
				SATURDAY, 19th SEPTEMBER.	

13TH SEPTEMBER TO 19TH SEPTEMBER, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 255-256.	An. R. 256.	°F. VFEAK	°F. VFEAK	G.M.T.		
SUNDAY.		78.5	40.5	h. m.	h. m.	h. m.
		66.0	41.0	5 34	11 57	18 20
				5 35	12 4	18 33
				5 41	- 9	18 36
				5 53	- 16	18 38
Weekly Schedule, 36 posted.		67.4	46.4	6 13	- 37	19 1
		72.3	41.9			
MONDAY.		75.1	39.9	5 36	11 57	18 18
		68.0	39.7	5 37	12 4	18 31
Send Anemograms, 251-257; Weekly Barograms, &c., 36.		69.8	45.6	5 43	- 9	18 34
		72.1	43.0	5 55	- 16	18 37
				6 15	- 37	18 59
257-258.		79.3	35.5	5 37	11 56	18 15
TUESDAY.		69.3	38.7	5 39	12 4	18 28
		68.9	47.3	5 45	- 8	18 31
		69.3	45.3	5 56	- 16	18 35
				6 16	- 36	18 57
259.		83.2	37.0	5 39	11 56	18 13
WEDNESDAY.		66.5	38.2	5 40	12 3	18 25
		69.2	48.9	5 47	- 8	18 27
		70.5	44.0	5 57	- 15	18 32
				6 18	- 36	18 54
259-260.		86.4	34.7	5 40	11 56	18 11
THURSDAY.		67.1	34.6	5 43	12 3	18 23
Send Curves, 251-256; An. and R., 250-256; Journals, Tabulations, &c., 43.		71.7	45.0	5 48	- 7	18 25
		68.1	40.3	5 59	- 15	18 30
				6 19	- 36	18 52
261.		79.0	33.9	5 41	11 55	18 9
FRIDAY.		66.5	35.4	5 45	12 3	18 20
		69.4	42.0	5 51	- 7	18 23
		70.9	45.6	6 1	- 15	18 28
				6 20	- 35	18 50
261-262.		77.3	38.8	5 43	11 55	18 7
SATURDAY.		63.4	38.4	5 47	12 2	18 17
Journal, &c., 44.				5 53	- 7	18 21
Electrical, Seismological, and Magnetic Tabulations, 251- 256.		66.0	45.6	6 2	- 14	18 26
		68.2	47.0	6 22	- 35	18 48

FOURTH WEEK OF AUTUMN.				YEAR XXXVII.	WEEK No. 38.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F	hrs. per day.	in.	SUNDAY, 20th SEPTEMBER.	
0	49.7	2.9	1.26		
E.					
1	50.1	3.4	0.67		
2	52.3	3.9	0.40		
3	53.6	4.4	0.53		
4	52.4	3.9	0.54		
5	55.0	4.5	0.62	MONDAY, 21st SEPTEMBER. St. Matthew. Commencement of Jewish Year 5675.	
W.					
6	51.5	3.5	1.14		
7	52.9	3.7	0.82		
8	54.3	4.2	0.89		
9	52.1	3.4	0.87		
10	53.5	4.1	0.71		
S.				TUESDAY, 22nd SEPTEMBER. Bar. 27.135 in. at False Point, Orissa [reduced to sea level and temp. 32°], 1885.—(Q.J.)	
11	57.5	5.1	0.77		
				WEDNESDAY, 23rd SEPTEMBER. James Horsburgh born, 1762.	
				THURSDAY, 24th SEPTEMBER.	
				FRIDAY, 25th SEPTEMBER. Magnetic Storm, 1909. Barometer 27.171 in. on board s.s. "Pathfinder" 12° 10' N, 125° 31' E, 1905.—(Q.J. 1909).	
				SATURDAY, 26th SEPTEMBER.	

20TH SEPTEMBER TO 26TH SEPTEMBER, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	263.	V F E A K	V F E A K	h. m.	h. m.	h. m.
		72.0	40.2	5 45	11 54	18 4
		67.7	36.6	5 49	12 2	18 14
				5 54	- 6	18 18
				6 4	- 14	18 24
				6 24	- 34	18 45
Weekly Schedule, 37 posted.		66.9	46.5			
		67.3	43.7			
263-264.	264.					
MONDAY.		71.3	37.9	5 47	11 54	18 1
		63.3	31.4	5 51	12 2	18 12
Send Anemograms, 258-264; Weekly Barograms, &c., 37.		65.8	45.1	5 56	- 6	18 16
		65.3	39.0	6 5	- 13	18 21
				6 27	- 34	18 42
TUESDAY, 265.						
		70.9	36.4	5 48	11 54	17 59
		64.9	31.0	5 53	12 1	18 9
				5 58	- 6	18 13
		68.8	43.3	6 7	- 13	18 19
		65.1	40.2	6 28	- 34	18 40
265-266.	266.					
WEDNESDAY.		75.3	35.0	5 49	11 53	17 57
		60.6	34.9	5 55	12 1	18 6
				6 0	- 5	18 10
		66.9	43.7	6 9	- 13	18 17
		67.5	42.9	6 29	- 33	18 37
THURSDAY, 267.						
		80.2	37.0	5 51	11 53	17 55
		65.9	33.7	5 58	12 1	18 4
Send Curves, 257-264; An. and R., 257-263; Journals, Tabulations, &c., 44.		66.6	45.2	6 2	- 5	18 7
		65.8	39.0	6 9	- 12	18 14
				6 31	- 33	18 35
267-268.	268.					
FRIDAY.		76.9	34.5	5 53	11 53	17 53
		71.7	34.6	5 59	12 0	18 1
				6 4	- 5	18 5
		65.1	43.5	6 11	- 12	18 12
		65.6	42.8	6 33	- 33	18 33
SATURDAY, 269.						
		79.4	35.6	5 54	11 52	17 50
Journal, &c., 45.		70.6	32.5	6 2	12 0	17 58
Electrical, Seismological, and Magnetic Tabulations, 257-264.				6 6	- 4	18 2
		68.1	39.1	6 13	- 12	18 10
		69.2	42.9	6 34	- 32	18 30

FIFTH WEEK OF AUTUMN.				YEAR XXXVII.	WEEK No. 39.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 27th SEPTEMBER.	
0	48·1	2·7	1·37		
E.					
1	48·5	3·2	0·76		
2	50·4	3·6	0·53		
3	51·5	3·9	0·58		
4	50·3	3·5	0·62		
5	52·9	3·9	0·70	MONDAY, 28th SEPTEMBER.	
W.					
6	49·9	3·2	1·20		
7	51·1	3·2	0·93		
8	52·4	3·8	1·00		
9	50·3	3·0	0·92		
10	51·6	3·8	0·78		
S.				TUESDAY, 29th SEPTEMBER. Michaelmas. Sir W. J. L. Wharton died, 1905.	
11	55·7	4·5	0·85		
N.	Normals for October.			WEDNESDAY, 30th SEPTEMBER. First Thermograph record from Kew, 1867.	
0	46·1	2·44	5·46		
E.					
1	45·9	2·80	3·17		
2	48·0	3·07	2·94		
3	48·9	3·39	2·72	THURSDAY, 1st OCTOBER.	
4	47·8	2·98	2·88	Ben Nevis Observatory closed, 1904.	
5	50·3	3·41	3·27		
W.					
6	47·7	2·74	5·00		
7	48·8	2·76	3·97		
8	50·2	3·28	4·54		
9	48·1	2·87	3·86	FRIDAY, 2nd OCTOBER.	
10	49·5	3·30	3·84		
S.					
11	53·7	3·94	3·98		
				SATURDAY, 3rd OCTOBER.	

27TH SEPTEMBER TO 3RD OCTOBER, 1914.

Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).

Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th. 269-270.	SUNDAY.	An. R. 270.	°F. VFEAK	°F. VFEAK	G.M.T.
			78.6	33.8	h. m. h. m. h. m.
			70.5	34.3	5 56 11 52 17 48
			70.1	36.0	6 4 12 0 17 56
			63.7	40.1	6 8 - 4 18 0
					6 14 - 11 18 8
					6 36 - 32 18 28
Weekly Schedule, 38 posted.					
	MONDAY.	271.	75.7	35.3	5 57 11 52 17 46
			63.0	30.4	6 5 - 59 17 53
			69.0	41.9	6 10 12 4 17 57
			74.7	43.7	6 16 - 11 18 6
					6 37 - 32 18 26
271-272.	TUESDAY.	272.	73.3	32.9	5 59 11 51 17 43
			62.6	35.9	6 8 - 59 17 50
			69.7	39.5	6 12 12 3 17 55
			69.0	41.6	6 18 - 11 18 4
					6 39 - 31 18 23
	WEDNESDAY.	273.	74.9	35.4	6 1 11 51 17 41
			66.7	31.2	6 10 - 59 17 47
			66.9	42.6	6 14 12 3 17 52
			65.9	36.3	6 19 - 10 18 1
					6 41 - 31 18 21
273-274.	THURSDAY.	274.	74.9	35.4	6 3 11 51 17 39
			63.0	34.0	6 12 - 58 17 44
			67.0	42.3	6 16 12 3 17 50
			65.6	43.0	6 20 - 10 17 59
					6 43 - 31 18 19
	FRIDAY.	275.	68.7	35.0	6 4 11 50 17 36
			69.3	34.0	6 14 - 58 17 41
			62.7	40.0	6 17 12 2 17 47
			63.9	38.8	6 22 - 10 17 57
					6 44 - 30 18 16
275-276.	SATURDAY.	276.	71.7	28.1	6 5 11 50 17 34
			64.6	35.3	6 16 - 58 17 39
			64.0	40.4	6 19 12 2 17 44
			63.4	37.6	6 23 - 9 17 55
					6 45 - 30 18 14

SIXTH WEEK OF AUTUMN.				YEAR XXXVII.	WEEK No. 40.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F	hrs. per day.	in.		
N.	46.7	2.5	1.25	<p>SUNDAY, 4th OCTOBER.</p> <p>At Bungay, Suffolk, rain began towards night and continued without intermission (except a few hours on the 6th) till the 10th at noon, 1689.—(LOWE.)</p>	
E.	1 46.9	3.0	0.74		
	2 48.8	3.3	0.66		
	3 49.8	3.6	0.63		
	4 48.6	3.2	0.67		
	5 51.1	3.6	0.72		
W.	6 48.3	2.9	1.11	<p>MONDAY, 5th OCTOBER.</p> <p>S.W. gale over most of England. In London 500 houses were destroyed. 1091.—(LOWE.)</p>	
	7 49.6	2.9	0.93		
	8 50.9	3.5	1.03		
	9 48.7	2.9	0.88		
	10 50.1	3.5	0.87		
S	11 54.3	4.2	0.88	<p>TUESDAY, 6th OCTOBER.</p> <p>Heinrich Wilhelm Dove born, 1803. Hereford earthquake, 1863 (Q.J.).</p>	
				<p>WEDNESDAY, 7th OCTOBER.</p>	
				<p>THURSDAY, 8th OCTOBER.</p>	
				<p>FRIDAY, 9th OCTOBER.</p>	
				<p>SATURDAY, 10th OCTOBER.</p> <p>Buys Ballot born, 1817.</p>	

4TH OCTOBER TO 10TH OCTOBER, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F	°F	G.M.T.		
	277.	VFEAK	VFEAK	h. m.	h. m.	h. m.
	SUNDAY.	76.7	32.9	6 8	11 50	17 32
		66.3	32.0	6 18	- 57	17 36
		63.7	41.2	6 21	12 2	17 42
		64.9	39.8	6 25	- 9	17 53
				6 47	- 30	18 12
Weekly Schedule, 39 posted.						
277-278.	278.	75.3	31.1	6 10	11 50	17 30
	MONDAY.	63.3	32.7	6 20	- 57	17 33
	Send Anemograms, 272-278; Weekly Barograms, &c., 39.	63.4	39.7	6 23	12 1	17 39
	Send Curves and Tabulations for September.	63.9	38.0	6 27	- 9	17 51
				6 49	- 30	18 10
	279.	69.0	30.9	6 11	11 49	17 27
	TUESDAY.	62.5	34.4	6 22	- 57	17 31
		63.7	40.2	6 25	12 1	17 37
		64.4	33.0	6 29	- 9	17 49
				6 51	- 29	18 7
279-280.	280.	66.4	30.0	6 13	11 49	17 25
	WEDNESDAY.	70.3	35.3	6 24	- 56	17 29
		64.8	42.1	6 27	12 1	17 34
		64.6	37.3	6 30	- 8	17 46
				6 53	- 29	18 5
	281.	70.1	29.0	6 15	11 49	17 23
	THURSDAY.	71.0	34.9	6 27	- 56	17 26
	Send Curves, 271-278; An. and R., 271-277; Journals, Tabulations, &c., 46 and 47.	64.0	42.5	6 29	12 1	17 32
		61.9	35.6	6 31	- 8	17 44
				6 55	- 29	18 3
281-282.	282.	69.1	32.0	6 16	11 48	17 20
	FRIDAY.	65.0	33.2	6 29	- 56	17 23
		62.6	43.6	6 31	12 0	17 29
		61.4	40.2	6 33	- 8	17 42
				6 56	- 28	18 0
	283.	64.0	31.4	6 18	11 48	17 18
	SATURDAY.	68.0	33.8	6 31	- 56	17 20
	Journals, &c., 48.	61.6	40.5	6 33	12 0	17 27
	Electrical, Seismological, and Magnetic Tabulations, 271-278.	61.5	37.7	6 35	- 7	17 40
				6 58	- 28	17 58

SEVENTH WEEK OF AUTUMN.				YEAR XXXVII.	WEEK No. 41.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 11th OCTOBER.	
0	45.6	2.5	1.10		
E.					
1	45.4	2.8	0.66		
2	47.5	3.0	0.74		
3	48.3	3.3	0.65		
4	47.2	3.0	0.66		
5	49.7	3.4	0.73	MONDAY, 12th OCTOBER.	
W.					
6	47.1	2.7	1.02		
7	48.3	2.7	0.86		
8	49.7	3.3	1.01		
9	47.5	3.0	0.81		
10	48.9	3.3	0.88	TUESDAY, 13th OCTOBER.	
S.				Two days' gale over British Isles, 1881, began.	
11	53.2	4.0	0.92		
				WEDNESDAY, 14th OCTOBER.	
				Sir Edward Sabine born, 1788.	
				Gale of 1881 ended. Greatest hourly wind velocity 23.3 metres per sec. (52 miles per hour), Holyhead.	
				THURSDAY, 15th OCTOBER.	
				New Style introduced in Rome, Spain, Portugal, and part of Italy by Pope Gregory XIII. in 1582, when the 15th October followed the 5th.	
				FRIDAY, 16th OCTOBER.	
				Daily telegraphic reports first received at the Office from Iceland and the Faroe Is., 1906.	
				SATURDAY, 17th OCTOBER.	
				René Antoine Ferchault de Réaumur died, 1757.	
				Ben Nevis Observatory opened, 1883.	

11TH OCTOBER TO 17TH OCTOBER, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 283-284.	An. R. 284.	°F. VFEAK	°F. VFEAK	G.M.T.		
SUNDAY.		64.6	33.4	h. m.	h. m.	h. m.
		59.0	32.9	6 20	11 48	17 16
		—	—	6 33	— 55	17 17
		64.0	35.0	6 35	12 0	17 24
Weekly Schedule, 40 posted.		62.5	35.0	6 36	— 7	17 38
				7 0	— 28	17 55
MONDAY.		63.9	30.1	6 22	11 48	17 14
		65.3	31.0	6 35	— 55	17 14
Send Anemograms, 279-285 ;		—	—	6 37	— 59	17 21
Weekly Barograms, &c., 40.		61.7	35.8	6 38	12 7	17 36
		62.2	40.7	7 2	— 28	17 53
285-286.		65.5	28.2	6 23	11 47	17 11
TUESDAY.		59.4	32.7	6 38	— 55	17 12
Winter Cards to be used in the Sun Recorder to-day and until 28th February, 1915.		61.1	36.8	6 39	— 59	17 19
		61.4	39.0	6 39	12 7	17 34
				7 4	— 27	17 50
287.		65.0	30.2	6 25	11 47	17 9
WEDNESDAY.		59.9	33.9	6 40	— 55	17 9
		—	—	6 41	— 59	17 16
		62.6	39.5	6 40	12 6	17 32
		60.4	37.3	7 6	— 27	17 48
287-288.		64.2	30.8	6 27	11 47	17 7
THURSDAY.		60.1	32.3	6 42	— 54	17 6
Send Curves, 279-284 ; An. and R., 278-284 ; Journals, Tabulations, &c., 48.		63.7	35.0	6 43	— 59	17 14
		61.4	38.4	6 42	12 6	17 30
				7 8	— 27	17 46
289.		65.3	30.0	6 28	11 47	17 5
FRIDAY.		60.7	31.7	6 44	— 54	17 3
		—	—	6 45	— 59	17 12
		62.8	37.3	6 44	12 6	17 28
		61.1	38.1	7 9	— 27	17 44
289-290.		69.1	25.4	6 29	11 46	17 3
SATURDAY.		60.2	32.0	6 46	— 54	17 1
Journals, &c., 49.		—	—	6 47	— 58	17 9
Electrical, Seismological, and Magnetic Tabulations, 279-284.		61.5	38.7	6 46	12 6	17 26
		59.6	36.0	7 10	— 26	17 42

EIGHTH WEEK OF AUTUMN.				YEAR XXXVII.		WEEK No 42.	
		Normals, 1881-1905.					
Dist.		Mean Temperature, Sunshine, and Rainfall for twelve Districts.		Historical Notes.			
N.		°F.	hrs. per day.	in.	SUNDAY, 18th OCTOBER. St. Luke.		
0		44.9	2.3	1.19			
E.							
1		43.9	2.6	0.68			
2		46.4	2.7	0.73			
3		47.1	3.0	0.62			
4		46.1	2.6	0.65			
5		48.6	3.0	0.77	MONDAY, 19th OCTOBER.		
W.							
6		46.1	2.5	1.11			
7		47.2	2.5	0.86			
8		48.8	2.9	1.03			
9		46.6	2.8	0.85			
10		48.1	3.0	0.89	TUESDAY, 20th OCTOBER.		
S.							
11		52.3	3.5	0.92			
					WEDNESDAY, 21st OCTOBER.		
					THURSDAY, 22nd OCTOBER. Henry Toynbee born, 1819.		
					FRIDAY, 23rd OCTOBER. Greatest hourly wind velocity 1909, 31.3 metres per second (70 miles per hour), strongest gust, 40.2 metres per second (90 miles per hour), Scilly.		
					SATURDAY, 24th OCTOBER.		

18TH OCTOBER TO 24TH OCTOBER, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	291.	V F E A K	V F E A K	h. m.	h. m.	h. m.
		65.4	29.0	6 31	11 46	17 1
		58.3	32.9	6 49	54	16 59
		—	—	6 49	58	17 7
		60.0	36.6	6 48	12 6	17 24
		62.9	31.6	7 12	26	17 40
Weekly Schedule, 41 posted.						
291-292.	292.					
MONDAY.		65.5	29.8	6 32	11 46	17 0
		63.9	29.6	6 51	54	16 56
Send Anemograms, 286-292; Weekly Barograms, &c., 41.		60.2	37.2	6 51	58	17 4
		62.0	29.8	6 49	12 5	17 21
				7 13	26	17 38
293.	293.					
TUESDAY.		59.9	32.8	6 34	11 46	16 58
		60.7	28.3	6 53	53	16 53
		59.8	37.6	6 53	58	17 2
		62.6	34.9	6 51	12 5	17 19
				7 15	26	17 36
293-294.	294.					
WEDNESDAY.		64.9	31.3	6 36	11 46	16 56
		60.7	32.7	6 55	53	16 51
		62.2	38.6	6 55	58	17 0
		60.5	35.7	6 52	12 5	17 17
				7 17	26	17 34
295.	295.					
THURSDAY.		63.9	27.4	6 38	11 46	16 53
		60.2	30.0	6 57	53	16 48
Send Curves, 285-292; An. and R., 285-291; Journals, Tabulations, &c., 49.		60.4	37.0	6 57	57	16 57
		60.1	36.0	6 54	12 5	17 15
				7 19	26	17 32
295-296.	296.					
FRIDAY.		62.1	29.2	6 40	11 45	16 50
		58.8	27.8	7 0	53	16 46
		60.8	32.9	6 59	57	16 54
		58.6	33.4	6 56	12 5	17 13
				7 21	25	17 30
297.	297.					
SATURDAY.		59.7	28.6	6 42	11 45	16 48
Journals, &c., 50. Electrical, Seismological, and Magnetic Tabulations, 285-292.		57.6	31.5	7 2	53	16 44
		59.7	32.2	7 1	57	16 52
		58.0	33.0	6 58	12 5	17 11
				7 23	25	17 28

NINTH WEEK OF AUTUMN.				YEAR XXXVII.	WEEK No. 43.
Normals, 1881-1905.				Historical Notes.	
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.			Last week of Wheat-growing period Western Australia. (Meteorological Map, Western Australia, 1908.)	
N.	°F.	hrs. per day.	ins.	SUNDAY, 25th OCTOBER. Great gale in London [see 26th], 1665. 25th-26th, "Royal Charter" storm, Irish Sea, 1859.	
0	44.0	1.8	1.29		
E.					
1	43.2	2.1	0.76		
2	45.6	2.3	0.66		
3	46.3	2.7	0.57		
4	45.4	2.2	0.66		
5	48.0	2.6	0.81	MONDAY, 26th OCTOBER. "In the evening [bar. in London] very near at 27½ ins., wind quiet."— <i>Phil. Trans.</i> In the morning it had been 28 ins. and on the day before 28½ ins. in the morning, with much rain and a great storm. "At Bristol [bar.] in the evening remarkably low, only 27½ ins.; 25th, a.m., 28½, 26th, a.m., 28 ins. (sea level)."—DR. BEAL. 1665. (LOWE.)	
W.					
6	45.8	2.1	1.30		
7	46.6	2.1	0.91		
8	48.2	2.5	1.10		
9	46.1	2.4	0.94		
10	47.6	2.6	0.97		
S.					
11	51.6	3.0	0.95	TUESDAY, 27th OCTOBER. Tornados in Taff and Rhymney Valleys, South Wales, and near Church Stretton, Shropshire. Great damage from Llantwit Fardre to Bedlinog, a distance of 12 miles; 6 people killed. 1913.	
				WEDNESDAY, 28th OCTOBER. St. Simon and St. Jude.	
				THURSDAY, 29th OCTOBER. Edmund Halley born, 1656. Tornado at Camberwell, 1898 (Q.J.)	
				FRIDAY, 30th OCTOBER. Hereford earthquake, 1868 (S.M.).	
				SATURDAY, 31st OCTOBER. Sir William Reid died, 1858. Third Earl of Rosse died, 1867.	

25TH OCTOBER TO 31ST OCTOBER, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
297-298.	298.	VFEAK	VFEAK	h. m.	h. m.	h. m.
SUNDAY.		61.2	29.7	6 43	11 45	16 46
		56.5	29.3	7 4	— 53	16 41
Weekly Schedule, 42 posted.		59.8	35.1	7 4	— 57	16 50
		60.0	32.9	6 59	12 4	17 9
				7 24	— 25	17 26
MONDAY.		61.6	25.3	6 45	11 45	16 45
		60.3	29.0	7 6	— 52	16 38
Send Anemograms, 293-299; Weekly Barograms, &c., 42.		61.3	33.1	7 6	— 57	16 48
		61.3	34.0	7 0	12 4	17 7
				26	— 25	17 24
299-300.		66.9	28.1	6 47	11 45	16 43
TUESDAY.		62.4	30.0	7 8	— 52	16 35
Report for September issued.		62.1	35.7	7 8	— 57	16 46
		61.4	33.1	7 2	12 4	17 5
				7 28	— 25	17 22
301.		63.6	25.1	6 49	11 45	16 41
WEDNESDAY.		59.2	30.6	7 11	— 52	16 33
		60.5	35.2	7 10	— 57	16 44
		60.4	31.0	7 4	12 4	17 4
				7 30	— 25	17 20
301-302.		63.5	27.1	6 50	11 45	16 40
THURSDAY.		58.8	31.4	7 13	— 52	16 30
Send Curves, 293-298; An. and R., 292-298; Journals, Tabulations, &c. 50.		59.0	35.0	7 12	— 57	16 41
		62.1	35.1	7 6	12 4	17 2
				7 31	— 25	17 19
303.		62.1	26.4	6 52	11 45	16 38
FRIDAY.		57.4	32.0	7 15	— 52	16 28
		59.1	34.5	7 14	— 57	16 39
		59.3	32.9	7 7	12 4	17 0
				7 33	— 25	17 17
303-304.		62.1	26.7	6 54	11 45	16 36
SATURDAY.		57.3	31.6	7 18	— 52	16 26
Journals, &c., 51.		58.9	34.8	7 17	— 57	16 37
Electrical, Seismological, and Magnetic Tabulations, 293-298.		59.5	34.1	7 9	12 4	16 58
Material for Geophysical Journal for August due at M.O.				7 35	— 25	17 15

TENTH WEEK OF AUTUMN.				YEAR XXXVII.	WEEK No. 44.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	ins.		
N.	0	43.5	1.4	1.26	SUNDAY, 1st NOVEMBER. All Hallows. Balfour Stewart born, 1828. Frost lasted from 1st November, 1076 to 15th April, 1077.—(ANDREWS.) Great Earthquake of Lisbon, 1755.
E.	1	42.8	1.9	0.76	
	2	44.6	1.9	0.58	
	3	45.1	2.5	0.53	
	4	44.3	1.9	0.63	
	5	46.9	2.3	0.77	MONDAY, 2nd NOVEMBER. Henry John Stephen Smith born, 1826.
W.	6	44.9	1.7	1.32	
	7	45.7	1.8	0.87	
	8	47.4	2.2	1.08	
	9	45.3	2.1	0.96	
	10	46.8	2.4	1.03	TUESDAY, 3rd NOVEMBER.
S.	11	50.8	2.7	0.99	
Normals for November.				WEDNESDAY, 4th NOVEMBER.	
N.	0	42.2	1.20	5.52	THURSDAY, 5th NOVEMBER. Léon Philippe Teisserenc de Bort born, 1855. Strongest gust, 1911, 40.2 metres per sec. (90 miles per hour), Eskdalemuir.
E.	1	41.4	1.68	3.02	
	2	43.2	1.83	2.40	
	3	43.4	2.11	2.19	
	4	42.7	1.76	2.44	
	5	45.1	2.04	2.94	FRIDAY, 6th NOVEMBER. Flood. London Bridge swept away by the force of the waters, 1091.—(LOWE.)
W.	6	43.8	1.57	5.36	
	7	44.3	1.64	3.59	
	8	45.9	2.06	4.24	
	9	44.1	1.91	3.95	
	10	45.6	2.21	4.14	SATURDAY, 7th NOVEMBER. First Barograph record from Kew, 1862.
S.	11	49.5	2.45	3.85	

1ST NOVEMBER TO 7TH NOVEMBER, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
		VFEAK	VFEAK	h. m.	h. m.	h. m.
SUNDAY.		305.	28.9	6 56	11 45	16 34
		61.9	30.0	7 20	— 52	16 24
		57.4	—	7 18	— 56	16 34
		59.0	34.9	7 11	12 4	16 57
Weekly Schedule, 45 posted.		59.0	37.0	7 37	— 25	17 13
305-306.		306.	26.4	6 58	11 45	16 32
MONDAY.		59.6	27.3	7 22	— 52	16 22
Send Anemograms, 300-306 ;		59.5	—	7 20	— 56	16 32
Weekly Barograms, &c. 43.		59.1	36.3	7 13	12 4	16 55
		59.2	35.0	7 39	— 25	17 11
307.		31.8	26.3	7 0	11 45	16 30
TUESDAY.		61.0	—	7 24	— 52	16 20
		56.9	—	7 12	— 56	16 30
		59.0	36.0	7 14	12 4	16 54
		58.0	31.4	7 41	— 25	17 9
307-308.		308.	28.2	7 2	11 45	16 28
WEDNESDAY.		60.8	31.3	7 26	— 52	16 18
Climatological Stations send		56.1	—	7 24	— 56	16 28
Schedules for October.		59.1	36.9	7 16	12 4	16 52
International Day.		58.6	30.1	7 43	— 25	17 7
309.		30.6	28.5	7 4	11 45	16 26
THURSDAY.		61.5	—	7 29	— 52	16 15
Send Curves, 299-306 ; An.		59.4	—	7 26	— 56	16 26
and R., 299-305 ; Journals,		—	37.0	7 18	12 4	16 50
Tabulations, &c. 51.		58.7	32.1	7 45	— 25	17 5
Send Curves and Tabulations		59.0	—			
for October.						
International Day.						
309-310.		310.	29.0	7 6	11 45	16 25
FRIDAY.		59.4	30.4	7 31	— 52	16 13
		61.0	—	7 29	— 57	16 25
		57.7	37.4	7 19	12 4	16 49
International Day.		59.0	28.2	7 46	— 25	17 4
311.		25.6	30.0	7 8	11 45	16 24
SATURDAY.		59.1	—	7 34	— 52	16 10
Journals, &c. 52.		60.7	—	7 31	— 57	16 23
Electrical, Seismological, and		—	35.0	7 21	12 4	16 47
Magnetic Tabulations, 299-306.		58.9	34.0	7 47	— 25	17 3
		58.7	—			

ELEVENTH WEEK OF AUTUMN.				YEAR XXXVII.	WEEK No. 45.	
Dist.	Normals, 1881-1905.			Historical Notes.		
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.					
N.	°F.	hrs. per day.	in.	SUNDAY, 8th NOVEMBER.		
0	42.4	1.1	1.23			
E.				MONDAY, 9th NOVEMBER.		
1	41.6	1.7	0.70			
2	43.2	1.8	0.56			
3	43.4	2.1	0.50			
4	42.7	1.7	0.55			
	5	45.2	2.0	0.66	TUESDAY, 10th NOVEMBER.	
W.						
6	43.8	1.5	1.22			
7	44.2	1.6	0.80			
8	46.0	2.1	0.94			
	9	44.0	2.0	0.93	WEDNESDAY, 11th NOVEMBER. Martinmas. Beginning of three days slow travelling depression with heavy rainfall, 1901. (L.H.)	
	10	45.5	2.3	0.99		
S.						
	11	49.6	2.5	0.89	THURSDAY, 12th NOVEMBER. 8.03 in. rain at Seathwaite, 1897.	
				FRIDAY, 13th NOVEMBER. End of slow travelling depression. Total average rainfall, 4 in., 1901.		
				SATURDAY, 14th NOVEMBER. Balaklava storm, 1854.		

8TH NOVEMBER TO 14TH NOVEMBER, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 311-312.	An. R. 312.	°F. V F E A K	°F. V F E A K	G.M.T.		
SUNDAY.		57.0	29.7	h. m.	h. m.	h. m.
		54.6	31.1	7 10	11 45	16 22
		60.2	35.5	7 36	52	16 8
Weekly Schedule, 44 posted.		59.4	34.1	7 33	57	16 21
				7 22	12 4	16 46
				7 49	25	17 1
MONDAY.		56.7	28.3	7 11	11 45	16 20
Send Anemograms, 307-313; Weekly Barograms, &c., 44.		57.0	29.1	7 38	52	16 6
		59.0	32.1	7 35	57	16 19
		61.5	29.9	7 24	12 4	16 44
				7 51	25	16 59
313-314.		59.2	25.5	7 12	11 45	16 18
TUESDAY.		58.4	23.6	7 40	52	16 4
		58.1	32.0	7 37	57	16 17
		59.5	35.3	7 26	12 4	16 42
				7 53	25	16 57
315.		57.7	27.3	7 13	11 45	16 17
WEDNESDAY.		55.9	23.0	7 42	52	16 2
		58.2	36.3	7 39	57	16 15
		59.2	34.3	7 27	12 4	16 41
				7 55	25	16 55
315-316.		58.2	27.6	7 15	11 45	16 15
THURSDAY.		55.6	30.4	7 45	53	16 0
Send Curves, 307-312; An. and R., 306-312; Journals, Tabulations, &c., 52.		59.0	32.8	7 41	57	16 13
		57.4	33.8	7 29	12 4	16 40
				7 57	25	16 53
317.		59.9	23.5	7 17	11 45	16 14
FRIDAY.		56.3	28.2	7 47	53	15 58
		58.2	36.5	7 43	57	16 11
		59.5	33.4	7 31	12 5	16 39
				7 59	25	16 52
317-318.		62.9	23.0	7 19	11 46	16 13
SATURDAY.		57.5	28.6	7 49	53	15 56
Journals, &c., 53.		57.4	33.9	7 45	57	16 9
Electrical, Seismological, and Magnetic Tabulations, 307- 312.		59.3	32.2	7 33	12 5	16 37
				8 1	26	16 51

TWELFTH WEEK OF AUTUMN.				YEAR XXXVII.	WEEK No. 46.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 15th NOVEMBER.	
0	41.1	1.0	1.28		
E.					
1	40.3	1.5	0.64		
2	42.0	1.7	0.53		
				MONDAY, 16th NOVEMBER. Beginning of five days great storm over the British Isles, 1893: wind velocity, 21 metres per second (47 mls. per hr.), Holyhead.	
3	41.8	1.8	0.47		
4	41.4	1.6	0.50		
5	43.6	1.8	0.59		
W.					
6	42.7	1.4	1.19	TUESDAY, 17th NOVEMBER. Fourth Earl of Rosse born, 1840 Storm of 1893: 9 p.m., wind velocity of 31.3 metres per second (70 mls. per hr.), Deer- ness.	
7	43.0	1.5	0.79		
8	44.6	1.9	0.88		
9	43.1	1.7	0.90		
10	44.5	2.0	0.91		
S.				WEDNESDAY, 18th NOVEMBER. Storm of 1893: wind velocity of 29.5 metres per second (66 mls. per hr.), Fleetwood.	
11	48.3	2.2	0.79		
				THURSDAY, 19th NOVEMBER. Storm of 1893: wind velocity of 22.8 metres per second (51 mls. per hr.), Holyhead.	
				FRIDAY, 20th NOVEMBER. Storm of 1893: wind velocity of 21 metres per second (47 mls. per hr.), Yarmouth.	
				SATURDAY, 21st NOVEMBER.	

15TH NOVEMBER TO 21ST NOVEMBER, 1914.									
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).									
Serial Numbers of the Sheets, &c., taken off.			Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.				
			Highest.	Lowest.					
B. Th.	An. R.		°F.	°F.	G.M.T.				
SUNDAY.	319.		VFEAK 59.0 53.8 — 58.9 56.8	VFEAK 24.2 26.7 — 34.2 33.0	h. m.	h. m.	h. m.		
					7 21	11 46	16 11		
					7 52	— 53	15 54		
					7 47	— 57	16 7		
					7 34	12 5	16 36		
					8 3	— 26	16 49		
319-320.	320.		61.6 56.5 — 60.0 57.2	21.9 23.7 — 32.9 32.6	7 22	11 46	16 10		
MONDAY.					7 54	— 53	15 52		
Send Anemograms, 314-320 ; Weekly Barograms, &c., 45.					7 49	— 58	16 6		
					7 36	12 5	16 34		
					8 4	— 26	16 48		
	321.		57.2 57.1 — 57.0 57.3	24.9 23.0 — 35.4 34.6	7 24	11 46	16 8		
TUESDAY.					7 56	— 53	15 50		
					7 51	— 58	16 4		
					7 37	12 5	16 33		
					8 6	— 26	16 46		
321-322.	322.		58.1 52.0 — 56.9 57.3	24.6 21.3 — 33.0 32.3	7 25	11 46	16 7		
WEDNESDAY.					7 58	— 54	15 49		
					7 53	— 58	16 2		
					7 39	12 5	16 32		
					8 7	— 26	16 45		
	323.		55.9 58.4 — 55.4 56.6	20.2 26.0 — 35.0 32.6	7 27	11 46	16 6		
THURSDAY.					8 0	— 54	15 48		
Send Curves, 313-320 ; An. and R., 313-319 ; Journals, Tabu- lations, &c., 53.					7 55	— 58	16 1		
					7 41	12 6	16 31		
					8 9	— 26	16 44		
323-324.	324.		56.5 56.9 — 56.3 55.4	25.0 19.6 — 32.3 29.7	7 29	11 47	16 5		
FRIDAY.					8 2	— 54	15 46		
					7 57	— 58	15 59		
					7 42	12 6	16 30		
					8 11	— 27	16 43		
	325.		54.0 53.0 — 58.2 56.9	27.0 14.2 — 31.0 29.1	7 30	11 47	16 4		
SATURDAY.					8 4	— 54	15 44		
Journals, &c., 54.					7 59	— 59	15 58		
Electrical, Seismological, and Magnetic Tabulations, 313- 320.					7 44	12 6	16 28		
					8 12	— 27	16 42		

THIRTEENTH WEEK OF AUTUMN.				YEAR XXXVII.	WEEK No. 47.	
Dist.	Normals, 1881-1905.			Historical Notes.		
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.					
N.	°F.	hrs. per day.	in.	SUNDAY, 22nd NOVEMBER. Frost from November 22nd, 1879, to February 2nd, 1880.—(ANDREWS.)		
0	40·3	0·9	1·41			
E.	1	39·3	1·3			0·69
2	41·1	1·5	0·49			
3	40·7	1·5	0·50			
	4	40·4	1·4	0·53		
	5	42·4	1·6	0·64	MONDAY, 23rd NOVEMBER.	
W.	6	42·2	1·2	1·25		
7	42·3	1·3	0·86			
8	43·7	1·7	1·00			
9	42·3	1·5	0·87			
	10	43·8	1·8	0·92	TUESDAY, 24th NOVEMBER. River frozen below London Bridge to Gravesend, from November 24th, 1433, to February 10th, 1434.—(LOWE.) Fair on the river Thames, 1715. Frost lasted till February 9th, 1716.—(LOWE.)	
S.	11	47·3	2·0	0·90		
				WEDNESDAY, 25th NOVEMBER.		
				THURSDAY, 26th NOVEMBER. Defoe's Great Storm, South of England, 1703.— (<i>Phil. Trans.</i>)		
				FRIDAY, 27th NOVEMBER. Anders Celsius born, 1701.		
				SATURDAY, 28th NOVEMBER. Luke Howard born, 1772.		

22ND NOVEMBER TO 28TH NOVEMBER, 1914.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th. 325-326.	An. R. 326.	°F. VFEAK	°F. VFEAK	G.M.T.	
		58.3	25.2	h. m.	h. m.
	SUNDAY.	56.9	28.6	7 32	11 47 16 2
		—	—	8 7	— 55 15 43
		57.3	33.6	8 1	— 59 15 57
Weekly Schedule, 46 posted.		54.9	30.9	7 45	12 6 16 27
				8 14	— 27 16 40
	327.				
	MONDAY.	58.3	25.6	7 33	11 47 16 1
		57.1	29.6	8 9	— 55 15 41
Send Anemograms, 321-327; Weekly Barograms, &c., 46.		—	—	8 2	— 59 15 56
		55.8	33.0	7 47	12 7 16 26
		55.4	32.7	8 15	— 27 16 39
327-328.	328.				
	TUESDAY.	55.0	26.8	7 35	11 48 16 0
		56.7	28.0	8 11	— 55 15 39
		—	—	8 4	— 59 15 54
		56.0	32.8	7 49	12 7 16 25
		55.3	30.6	8 17	— 28 16 38
	329.				
	WEDNESDAY.	55.7	25.6	7 37	11 48 15 59
		54.3	29.2	8 13	— 55 15 37
		—	—	8 7	12 0 15 53
		55.3	34.5	7 50	— 7 16 24
		55.3	31.6	8 19	— 28 16 37
329-330.	330.				
	THURSDAY.	55.9	25.5	7 38	11 48 15 58
		55.5	29.1	8 15	— 56 15 36
Send Curves, 321-326; An. and R., 320-326; Journals, Tabulations, &c., 54.		—	—	8 9	12 0 15 52
		56.0	29.0	7 52	— 8 16 24
		56.1	31.7	8 20	— 28 16 36
	331.				
	FRIDAY.	56.0	23.2	7 40	11 49 15 57
		55.0	26.3	8 17	— 56 15 35
		—	—	8 10	12 0 15 50
Report for October issued.		55.7	27.4	7 53	— 8 16 23
		55.0	28.7	8 22	— 29 16 35
331-332.	332.				
	SATURDAY.	57.6	21.5	7 42	11 49 15 56
Journals, &c., 55.		57.5	28.5	8 19	— 56 15 34
Electrical, Seismological, and Magnetic Tabulations, 321- 326.		—	—	8 12	12 1 15 49
		56.5	25.0	7 54	— 8 16 22
		56.5	29.2	8 24	12 29 16 34

FIRST WEEK OF WINTER.				YEAR XXXVII.	WEEK No. 48.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
	°F.	hrs. per day.	in.		
N.				SUNDAY, 29th NOVEMBER.	
0	39.8	0.7	1.54		
E.					
1	38.4	1.1	0.78		
2	40.1	1.3	0.55		
3	39.8	1.4	0.54		
4	39.6	1.3	0.60		
5	41.7	1.5	0.71		
W.				MONDAY, 30th NOVEMBER. William Gilbert of Colchester died, 1603. Frost lasted from November 30th, 1269, to February 2nd, 1270.—(ANDREWS.)	
6	41.6	1.1	1.35		
7	41.5	1.1	0.90		
8	43.1	1.6	1.16		
9	41.5	1.4	0.91		
10	43.3	1.6	1.01		
S.				TUESDAY, 1st DECEMBER. River Thames partially frozen over. "In this frost skates were introduced into England from Holland," 1662.—(LOWE.)	
11	46.8	1.9	1.06		
N.				WEDNESDAY, 2nd DECEMBER.	
0	39.0	0.63	5.86		
E.					
1	37.7	1.00	2.93		
2	39.1	1.22	2.22		
3	38.7	1.39	1.94		
4	38.5	1.17	2.34		
5	40.7	1.45	2.56		
W.				THURSDAY, 3rd DECEMBER. "Ellan Vannin" storm. Irish Sea, 1909.	
6	40.5	0.97	5.36		
7	40.4	1.02	3.36		
8	42.3	1.47	4.49		
9	41.1	1.24	3.80		
10	42.9	1.52	4.53		
S.				FRIDAY, 4th DECEMBER. -18° at Killoe House, Berwickshire, 1879.	
11	46.6	1.85	3.87		
				SATURDAY, 5th DECEMBER.	

29TH NOVEMBER TO 5TH DECEMBER, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
		V F E A K	V F E A K	h. m.	h. m.	h. m.
	SUNDAY.	333.	21.6	7 43	11 49	15 55
		57.4	21.0	8 21	- 57	15 33
		55.4		8 14	12 1	15 48
		55.6	22.4	7 56	- 9	16 21
		56.5	29.6	8 25	- 29	16 33
Weekly Schedule, 47 posted.						
333-334.	334.					
	MONDAY.	58.4	21.5	7 45	11 50	15 55
	Journals, &c., 56.	49.8	11.0	8 22	- 57	15 32
	Send Anemograms, 328-334 ;			8 15	12 1	15 47
	Weekly Barograms, &c., 47.	55.2	28.5	7 58	- 9	16 20
	Material for Geophysical Journal for September due at M.O	55.6	33.4	8 27	- 30	16 33
	335.					
	TUESDAY.	55.0	24.7	7 46	11 50	15 55
		53.6	18.2	8 24	- 57	15 31
		55.6	29.1	8 17	12 2	15 46
		55.3	31.2	7 59	- 9	16 19
				8 28	- 30	16 32
335-336.	336.					
	WEDNESDAY.	55.8	18.0	7 47	11 50	15 54
		52.4	19.5	8 26	- 58	15 30
		57.9	28.4	8 19	12 2	15 45
		54.8	29.9	8 1	- 10	16 19
				8 29	- 30	16 31
	337.					
	THURSDAY.	55.7	18.3	7 49	11 51	15 53
	Send Curves, 327-334 ; An.	54.0	14.6	8 27	- 58	15 29
	and R., 327-333 ; Journals,			8 21	12 3	15 45
	Tabulations, &c., 55.	55.0	26.9	8 2	- 10	16 18
		55.7	32.2	8 31	- 31	16 31
	International Day.					
337-338.	338.					
	FRIDAY.	56.3	21.0	7 50	11 51	15 53
		54.9	14.6	8 29	- 59	15 28
				8 22	12 3	15 44
	Climatological Stations send	55.6	27.9	8 3	- 10	16 17
	Schedules for November.	54.7	29.4	8 32	- 31	16 30
	339.					
	SATURDAY.	57.3	23.0	7 51	11 52	15 53
	Journals, &c., 57.	56.0	24.5	8 31	- 59	15 27
	Electrical, Seismological, and			8 23	12 3	15 43
	Magnetic Tabulations, 327-334.	55.9	27.6	8 4	- 11	16 17
	Send Curves and Tabulations for November.	55.8	31.3	8 34	- 32	16 30

SECOND WEEK OF WINTER.				YEAR XXXVII.	WEEK No. 49.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F	hrs. per day.	in.	SUNDAY, 6th DECEMBER. Frost lasted from December 6th, 1353, to March 12th, 1354.—(ANDREWS.)	
0	39·0	0·6	1·42		
E.					
1	37·9	1·0	0·68		
2	39·2	1·2	0·58		
3	39·0	1·4	0·46		
4	38·8	1·2	0·54		
5	41·1	1·5	0·60		
W.					
6	40·8	1·0	1·25		
7	40·6	1·0	0·79		
8	42·6	1·5	1·06		
9	41·1	1·3	0·88		
10	43·0	1·6	1·03		
S.				MONDAY, 7th DECEMBER. Sir George Howard Darwin died, 1912. Suspension of the issue of "Cautionary Storm Warnings" by the Meteorological Department of the Board of Trade, 1866. Greatest hourly wind velocity, 1911, 28·6 metres per second (64 miles per hour), Scilly. Highest sounding with registering balloon, Pavia, 1912. 37,700 metres [La Nature, No. 2,068, 11 Jan., 1913].	
11	47·0	1·8	0·93		
N.	Normals for Winter.			TUESDAY, 8th DECEMBER. Beginning of two days' storm and low barometer over the British Islands; 27·38 in. at Belfast, 1886. (Q.J.)	
0	38·2	1·16	16·26		
E.					
1	37·5	1·67	7·63		
2	38·7	1·76	5·41		
3	38·4	1·96	5·11		
4	38·3	1·67	6·30		
5	39·9	1·91	6·76		
W.					
6	39·8	1·46	13·69		
7	39·9	1·55	8·68		
8	41·5	1·94	11·07		
9	40·8	1·67	9·96		
10	42·4	1·95	11·67		
S.				WEDNESDAY, 9th DECEMBER.	
11	44·7	2·41	9·41		
N.	Normals for Winter.			THURSDAY, 10th DECEMBER. Frost lasted from December 10th, 1149, to February 19th, 1150.—(ANDREWS.) Loss of balloon "Saladin" with Mr. Walter Powell, M.P.—(Annual Report, 1881-82.)	
0	38·2	1·16	16·26		
E.					
1	37·5	1·67	7·63		
2	38·7	1·76	5·41		
3	38·4	1·96	5·11		
4	38·3	1·67	6·30		
5	39·9	1·91	6·76		
W.					
6	39·8	1·46	13·69		
7	39·9	1·55	8·68		
8	41·5	1·94	11·07		
9	40·8	1·67	9·96		
10	42·4	1·95	11·67		
S.				FRIDAY, 11th DECEMBER.	
11	44·7	2·41	9·41		
N.	Normals for Winter.			SATURDAY, 12th DECEMBER. Strongest gust 1906, 38·4 metres per second (86 miles per hour), Scilly.	
0	38·2	1·16	16·26		
E.					
1	37·5	1·67	7·63		
2	38·7	1·76	5·41		
3	38·4	1·96	5·11		
4	38·3	1·67	6·30		
5	39·9	1·91	6·76		
W.					
6	39·8	1·46	13·69		
7	39·9	1·55	8·68		
8	41·5	1·94	11·07		
9	40·8	1·67	9·96		
10	42·4	1·95	11·67		
S.					

6TH DECEMBER TO 12TH DECEMBER, 1914.					
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).					
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.	
		Highest.	Lowest.		
B. Th. 339-340.	An. R. 340.	°F. VFEAK	°F. VFEAK	G.M.T.	
SUNDAY.		55·9	18·0	h. m.	h. m.
		54·2	24·7	7 52	11 52
				8 32	59 15 26
				8 25	12 4 15 43
		56·2	27·2	8 5	11 16 16
Weekly Schedule, 48 posted.		55·0	29·8	8 35	32 16 29
341.					
MONDAY.		54·3	13·5	7 54	11 53
		50·7	24·3	8 34	12 0 15 25
				8 26	4 15 42
Send Anemograms, 335-341; Weekly Barograms, &c., 48.		55·1	29·2	8 7	12 16 16
		53·9	31·3	8 37	33 16 29
342.					
TUESDAY.		54·1	21·8	7 55	11 53
		53·5	20·2	8 36	12 0 15 24
				8 28	5 15 42
		54·6	29·0	8 8	12 16 16
		55·0	30·5	8 38	33 16 28
343.					
WEDNESDAY.		54·6	23·3	7 56	11 53
		53·0	26·7	8 38	12 1 15 24
				8 29	5 15 41
		53·8	27·2	8 9	13 16 16
		53·8	30·1	8 39	33 16 28
344.					
THURSDAY.		55·5	20·5	7 57	11 54
		52·4	21·5	8 39	12 1 15 23
				8 31	6 15 41
Send Curves, 335-340; An. and R., 334-340; Journals, Tabulations, &c., 56 and 57.		54·6	26·5	8 10	13 16 16
		54·4	30·9	8 40	34 16 28
345.					
FRIDAY.		54·7	19·7	7 58	11 54
		55·6	21·0	8 40	12 2 15 23
				8 32	6 15 40
		54·2	24·0	8 11	13 16 15
		54·8	29·5	8 41	34 16 27
346.					
SATURDAY.		55·1	22·9	7 59	11 55
Journals, &c., 58.		54·2	13·3	8 41	12 2 15 23
Electrical, Seismological, and Magnetic Tabulations, 335-340.				8 33	6 15 39
		54·3	26·0	8 12	14 16 15
		54·3	28·7	8 42	35 16 27

THIRD WEEK OF WINTER.				YEAR XXXVII.	WEEK No. 50.
Dist.	Normals, 1881-1905.			Historical Notes.	
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.				
N.	°F.	hrs. per day.	in.	SUNDAY, 13th DECEMBER. Johann von Lamont born, 1805.	
0	38.7	0.5	1.20		
E.					
1	37.3	0.9	0.57		
2	38.5	1.1	0.49		
3	38.1	1.3	0.35	MONDAY, 14th DECEMBER. Greatest hourly wind velocity, 1907. 27.3 metres per second (61 miles per hour), Fleetwood.	
4	38.0	1.1	0.46		
5	40.2	1.4	0.48		
W.					
6	40.0	0.9	1.10		
7	39.7	1.0	0.65	TUESDAY, 15th DECEMBER.	
8	41.9	1.4	0.91		
9	40.9	1.1	0.81		
10	42.7	1.5	1.01		
S.					
11	47.0	1.8	0.74	WEDNESDAY, 16th DECEMBER. Barometer 31.72 in. at Semipalatinsk; 31.63 in. at Barnaul, 1877. Greatest hourly wind velocity, 1910, 28.2 metres per second (63 miles per hour), strongest gust 38 metres per second (85 miles per hour), Pendennis.	
				THURSDAY, 17th DECEMBER. William Thomson, Lord Kelvin, died, 1907. Hereford earthquake, 1896.—(DAVISON.) Sir Francis Beaufort died, 1857.	
				FRIDAY, 18th DECEMBER.	
				SATURDAY, 19th DECEMBER. Balfour Stewart died, 1887.	

13TH DECEMBER TO 19TH DECEMBER, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
SUNDAY.	347.	VFEAK 55.8	VFEAK 16.4	h. m.	h. m.	h. m.
		54.0	13.0	8 0	11 55	15 50
		—	—	8 42	12 2	15 22
		54.6	34.0	8 35	— 7	15 39
		54.7	27.7	8 13	— 14	16 15
				8 43	— 35	16 27
Weekly Schedule, 49 posted.						
347-348.	348.	53.8	16.7	8 1	11 56	15 50
MONDAY.		52.3	12.0	8 44	12 3	15 22
Send Anemograms, 342-348 ;		54.6	29.0	8 35	— 7	15 39
Weekly Barograms, &c., 49.		54.4	27.4	8 14	— 15	16 15
				8 44	— 36	16 27
	349.	54.0	21.2	8 2	11 56	15 50
TUESDAY.		51.2	9.0	8 44	12 3	15 22
		54.0	31.0	8 36	— 8	15 40
		54.2	33.6	8 15	— 15	16 15
				8 45	— 36	16 27
349-350.	350.	56.1	23.6	8 3	11 57	15 50
WEDNESDAY.		56.2	28.3	8 46	12 4	15 22
		56.2	27.9	8 37	— 8	15 40
		54.6	31.6	8 16	— 16	16 15
				8 46	— 37	16 27
	351.	54.7	21.9	8 4	11 57	15 50
THURSDAY.		53.8	24.4	8 46	12 4	15 22
Send Curves, 341-348; An.		55.1	29.0	8 38	— 9	15 40
and R., 341-347; Journals,		54.0	29.1	8 16	— 16	16 15
Tabulations, &c., 58.				8 47	— 37	16 27
351-352.	352.	55.1	24.0	8 5	11 58	15 51
FRIDAY.		54.8	16.8	8 48	12 5	15 22
		53.7	29.8	8 38	— 9	15 40
		54.5	28.7	8 17	— 17	16 16
				8 48	— 38	16 28
	353.	53.2	22.1	8 5	11 58	15 51
SATURDAY.		49.9	15.6	8 48	12 5	15 22
Journals, &c., 59.		53.7	26.9	8 39	— 10	15 41
Electrical, Seismological, and		53.0	26.8	8 18	— 17	16 16
Magnetic Tabulations, 341-348.				8 48	— 38	16 28

FOURTH WEEK OF WINTER.				YEAR XXXVII.		WEEK No. 51.	
	Normals, 1881-1905.			Historical Notes.			
Dist.	Mean Temperature, Sunshine, and Rainfall for twelve Districts.						
N.	°F.	hrs. per day.	in.	SUNDAY, 20th DECEMBER. Barometer 31·717 in. at Irkutsk, 1896. Severe frost from December 20th, 1860, to January 5th, 1861.—(ANDREWS.)			
0	38·3	0·6	1·14				
E.							
1	36·8	0·9	0·61				
2	38·0	1·1	0·40				
3	37·5	1·3	0·39				
4	37·4	1·1	0·52				
5	39·6	1·4	0·52	MONDAY, 21st DECEMBER. St. Thomas. St. Lucia.			
W.							
6	39·2	0·9	1·14				
7	39·3	0·9	0·67				
8	41·4	1·4	0·94				
9	40·6	1·1	0·83				
10	42·5	1·4	1·07				
S.				TUESDAY, 22nd DECEMBER. Frost began in London and lasted 120 days, 987-988.—(LOWE.) Earthquake in Turkestan, 1906. Gale over the British Isles, 1894. Greatest hourly wind velocity, 34·9 metres per second (78 miles per hour), Fleetwood.			
11	45·7	1·9	0·77				
				WEDNESDAY, 23rd DECEMBER.			
				THURSDAY, 24th DECEMBER. Very high tide in London; the River Thames flowed into Westminster Hall, 1736.—(Baker's "Record of the Seasons.")			
				FRIDAY, 25th DECEMBER. Christmas Day. Thames frozen below London Bridge to Gravesend, from December 25th, 1434, to February 11th, 1435.—(ANDREWS.)			
				SATURDAY, 26th DECEMBER. St. Stephen. Greatest hourly wind velocity, 1912, 31·3 metres per second (73 miles per hour). Strongest gust, 43·8 metres per second (98 miles per hour), Pendennis Castle.			

20TH DECEMBER TO 26TH DECEMBER, 1914.						
Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).						
Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th. 353-354.	An. R. 354.	°F. VFEAK 53·7 52·5 — 55·5 55·5	°F. VFEAK 15·5 12·5 — 25·0 26·9	G.M.T. h. m. h. m. h. m. 8 6 11 59 15 52 8 49 12 6 15 23 8 40 — 10 15 40 8 19 — 18 16 17 8 49 — 39 16 29		
Weekly Schedule, 50 posted.						
MONDAY. 355.		52·7 50·3 — 54·1 54·5	18·6 13·1 — 27·5 29·6	8 6 11 59 15 52 8 49 12 6 15 23 8 41 — 11 15 41 8 19 — 18 16 17 8 49 — 39 16 29		
355-356. TUESDAY. 356.		53·9 52·6 — 54·9 54·0	10·8 21·0 — 29·9 31·5	8 7 12 0 15 53 8 50 — 7 15 24 8 41 — 11 15 41 8 20 — 19 16 18 8 50 — 40 16 30		
WEDNESDAY. 357.		54·0 52·6 — 53·6 53·2	16·9 14·8 — 33·0 28·0	8 7 12 0 15 53 8 50 — 7 15 24 8 42 — 12 15 42 8 20 — 19 16 18 8 50 — 40 16 30		
357-358. THURSDAY. 358.		51·8 51·1 — 52·6 54·6	14·7 20·0 — 32·4 29·7	8 8 12 1 15 54 8 51 — 8 15 25 8 42 — 12 15 42 8 21 — 20 16 19 8 51 — 41 16 31		
FRIDAY. 359.		52·5 54·0 — 53·7 54·5	16·0 19·5 — 31·2 33·5	8 8 12 1 15 54 8 51 — 8 15 25 8 42 — 13 15 44 8 21 — 20 16 19 8 51 — 41 16 32		
M.O. Press closed.						
359-360. SATURDAY. 360.		53·1 54·6 — 53·9 54·2	21·8 20·2 — 30·5 33·4	8 8 12 2 15 55 8 52 — 9 15 26 8 42 — 13 15 44 8 22 — 21 16 20 8 51 — 42 16 33		
M.O. Press closed.						
Journals, &c., 60.						
Electrical, Seismological, and Magnetic Tabulations, 349-354.						

FIFTH WEEK OF WINTER.				YEAR XXXVI.	WEEK No. 52.	
Dist.	Normals, 1881-1905.			Historical Notes.		
	Mean Temperature, Sunshine, and Rainfall for twelve Districts.					
N.	°F.	hrs. per day.	in.	SUNDAY, 27th DECEMBER. St. John. Barometer 27·98 in. at Culloden, 1852. "Great fog commenced in London, and the greatest frost of the century set in," 1813.--- (ANDREWS.)		
0	38·1	0·6	1·09			
E.						
1	36·6	0·9	0·60			
2	37·9	1·1	0·42			
	3	37·4	1·3	0·45	MONDAY, 28th DECEMBER. Innocents Day. Tay Bridge storm, 1879. Messina earthquake, 1908.	
	4	37·3	1·1	0·55		
	5	39·4	1·4	0·54		
W.						
6	39·0	0·9	1·09			
	7	39·2	1·0	0·68	TUESDAY, 29th DECEMBER. Low barometric pressure over the British Isles, 1899.	
	8	41·2	1·4	0·91		
	9	40·4	1·2	0·81		
	10	42·3	1·4	1·05		
S.						
	11	45·1	1·9	0·80	WEDNESDAY, 30th DECEMBER.	
				THURSDAY, 31st DECEMBER. Football "plaied" on the Thames between London Bridge and Westminster, 1564.---(ANDREWS.) Barometer 27·63 in. at the Hoy Low Lighthouse, Orkney, 1865. Evening attendance at the Meteorological Office for the issue of Storm Warnings commenced, 1875.		
				FRIDAY, 1st JANUARY 1915.		
				SATURDAY, 2nd JANUARY.		

27TH DECEMBER, 1914, TO 2ND JANUARY, 1915.

Diary of Operations for Observatories, with Daily Notes of Temperature, Sunrise, &c., for Kew (K), Aberdeen (A), Eskdale (E), Falmouth (F) and Valencia (V).

Serial Numbers of the Sheets, &c., taken off.		Extremes of Temperature, 1871-1900.		Times of Sunrise, Noon and Sunset.		
		Highest.	Lowest.			
B. Th.	An. R.	°F.	°F.	G.M.T.		
	361.	V F E A K	V F E A K	h. m.	h. m.	h. m.
	SUNDAY.	57·1	17·9	8 9	12 2	15 56
		51·8	16·0	8 52	- 9	15 27
		—	—	8 43	- 14	15 45
		55·9	26·8	8 22	- 21	16 21
	Weekly Schedule, 51 posted.	54·7	28·7	8 51	- 42	16 34
361-362.	362.	55·3	24·4	8 9	12 3	15 57
	MONDAY.	51·4	22·2	8 52	- 10	15 28
	Send Anemograms, 356-362; Weekly Barograms, &c., 51.	—	—	8 43	- 14	15 45
	Daily Reports for 26th and 28th issued.	55·0	26·6	8 22	- 22	16 22
		55·3	30·3	8 51	- 43	16 35
	363.	54·0	20·0	8 9	12 3	15 58
	TUESDAY.	50·0	21·0	8 52	- 10	15 28
	Daily Reports for 27th and 29th issued.	—	—	8 43	- 15	15 47
		55·0	29·0	8 22	- 22	16 22
		53·8	32·4	8 51	- 43	16 36
363-364.	364.	54·4	18·0	8 9	12 4	15 59
	WEDNESDAY.	49·5	25·9	8 52	- 11	15 30
		—	—	8 43	- 15	15 48
	Daily Reports for 25th and 30th issued.	55·8	25·0	8 22	- 23	16 23
		53·6	30·9	8 51	- 44	16 37
	365.	54·7	17·0	8 9	12 4	15 59
	THURSDAY.	50·4	15·8	8 52	- 11	15 30
	Journal, &c., 61.	—	—	8 43	- 16	15 48
	Send Curves 355-362; An. and R., 355-361; Journals, Tabulations, &c., 60.	55·5	25·9	8 22	- 23	16 24
	Electrical material for Hourly Values completed to September 30.	54·1	29·4	8 51	- 44	16 37
	Material for Geophysical Journal for October due at M.O.					
365-1.	1.	55·0	17·1	8 9	12 5	16 1
	FRIDAY.	55·9	16·7	8 51	- 12	15 31
		—	—	8 42	- 16	15 49
		54·7	28·2	8 22	- 24	16 25
		54·7	31·8	8 51	12 45	16 38
	2.	52·4	14·9	8 9	12 5	16 1
	SATURDAY.	52·7	22·2	8 51	- 12	15 32
	Journals, &c., 1.	—	—	8 42	- 17	15 49
	Electrical and Seismological Tabulations, 355-361; Magnetic Tabulations, 355-362.	53·2	25·2	8 22	- 24	16 26
		54·7	30·0	8 51	12 45	16 39

NOTES.

The following abbreviations are used :

For publications in which account is given of the prominent meteorological occurrences mentioned in the Calendar :—

Andrews. Famous Frosts and Frost Fairs in Great Britain.
By William Andrews.

F.W. Forecasting Weather. By W. N. Shaw.

L.H. Life History of Surface Air Currents. M.O.
Publication 174.

Lowe. Natural Phenomena and Chronology of the
Seasons. By E. J. Lowe.

M.O. One of the numbered publications of the Meteorological Office.

M.W.R. Monthly Weather Report.

Q.J. Quarterly Journal of the Royal Meteorological
Society.

Q.W.R. Quarterly Weather Report.

S.M. Symons's Meteorological Magazine.

W.W.R. Weekly Weather Report.

For the Observatories arranged in order of longitude from the East :—

K. Kew ; A. Aberdeen ; E. Eskdale ; F. Falmouth ; V.
Valencia.

For the traces from self-recording instruments at the Observatories :—

B. Photo-barogram.

Th. Photo-thermogram.

An. Anemogram.

R. Raingauge trace. Hyetogram.

The names of the Saints' days referred to in Mr. Inwards' "Weather Lore" are inserted, as they formed part of the calendar in practical use before the introduction of the New Style.

With reference to the comparison of the temperature of the air with the mean for the week, it should be noted that, on the average, the temperature at the Observatories passes approximately through the mean value for the day at the following hours of G.M.T. :—

			Winter.	Spring.	Summer.	Autumn.
Kew ...	...	...	10h. 20h.	9h. 20½h.	9h. 20½h.	9h. 20h.
Aberdeen ...	...	...	10½h. 20h.	8½h. 20h.	7½h. 20½h.	9h. 19h.
Eskdalemuir ...	...	...	10h. 19h.	8h. 20h.	8h. 20h.	9h. 19½h.
Falmouth ...	...	...	10h. 19h.	8½h. 19½h.	8h. 19½h.	8½h. 19h.
Valencia ...	...	...	10h. 19h.	9h. 20h.	8½h. 20½h.	9h. 19h.

Kew Observatory.

The completion of the tabulation of Magnetic Curves for quiet days is due within three months of the receipt of the specification of the days from Utrecht.

Wind Velocities.

All velocities given are reduced to factor 2·2.

Extremes of Temperature.

The highest and lowest temperatures for the month during period 1871–1900 for each station are printed in clarendon type.

METEOROLOGICAL OFFICE, LONDON.



1915.

CALENDAR

WITH

NOTES AND DIARY OF OPERATIONS

FOR

THE USE OF OBSERVERS.

Issued by the Authority of the Meteorological Committee.



LONDON:

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S
STATIONERY OFFICE

By DARLING AND SON, LTD., 34–40, BACON STREET, E.

And to be purchased from
THE METEOROLOGICAL OFFICE, EXHIBITION ROAD, LONDON, S.W.

1914.

Price One Shilling.

FIFTH WEEK OF WINTER.				YEAR XXXVII.				WEEK No. 52.					
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*									
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.					
				1871-1900.		1871-1914.		Rises.		Noon.		Sets	
N.	Sun. hrs.	Rain. in.	mm.	K.	°F.	°A.		h. m.	h. m.	h. m.			
0	0.6	1.09	28	K.	57.1	17.9	287 265	8 9	12 2	15 56			
E.				A.	51.8	16.0	84 64	8 52	-	9 15	27		
				E.	56.9	26.8	82 70	8 43	-	14 15	45		
	1	0.9	0.60	F.	56.9	26.8	86 70	8 22	-	21 16	21		
	2	1.1	0.42	V.	54.7	28.7	86 71	8 51	-	42 16	34		
	3	1.3	0.45										
W.	4	1.1	0.55										
	5	1.4	0.54										
				K.	55.3	24.4	286 269	8 9	12 3	15 57			
				A.	51.4	22.2	84 68	8 52	-	10 15	28		
				E.	56.9	26.8	82 70	8 43	-	14 15	45		
S.	6	0.9	1.09	F.	55.0	26.6	86 70	8 22	-	22 16	22		
	7	1.0	0.68	V.	55.3	30.3	86 72	8 51	-	43 16	35		
	8	1.4	0.91										
	9	1.2	0.81										
	10	1.4	1.05										
N.				K.	54.0	20.0	286 266	8 9	12 3	15 58			
				A.	50.0	21.0	86 66	8 52	-	10 15	28		
				E.	56.9	26.8	81 71	8 43	-	15 15	47		
	11	1.9	0.80	F.	55.0	29.0	86 71	8 22	-	22 16	22		
				V.	53.8	32.4	85 69	8 51	-	43 16	36		
E.				K.	54.4	18.0	286 263	8 9	12 4	15 59			
				A.	49.5	25.9	85 63	8 52	-	11 15	30		
				E.	56.9	26.8	80 67	8 43	-	15 15	48		
				F.	55.8	25.0	86 69	8 22	-	23 16	23		
				V.	53.6	30.9	85 71	8 51	-	44 16	37		
W.				K.	54.7	17.0	286 265	8 9	12 4	15 59			
				A.	50.4	15.8	84 61	8 52	-	11 15	30		
				E.	56.9	26.8	81 62	8 43	-	16 15	48		
				F.	55.5	25.9	86 70	8 22	-	23 16	24		
				V.	54.1	29.4	85 70	8 51	-	44 16	37		
S.				K.	52.4	14.9	286 264	8 9	12 5	16 1			
				A.	52.7	22.2	85 68	8 51	-	12 15	32		
				E.	56.9	26.8	81 73	8 42	-	17 15	49		
				F.	53.2	25.2	85 59	8 22	-	24 16	26		
				V.	54.7	30.0	86 72	8 51	12 45	16 39			

* Kew (K), Aberdeen (A), Eskdale (E 1911-14 only), Falmouth (F), Valencia (V).

Put in Sun's declination and moon's age.

27TH DECEMBER, 1914, TO 2ND JANUARY, 1915.	
Astronomical and Historical Notes.	Diary.
In converting from inches to millibars pressure values given in previous editions it has been assumed that the gravity correction had not been made.	* Change day for two-day sheets.
SUNDAY, 27th DECEMBER. St. John. 1852. Barometer 27.98 in. (949 mb.), at Culloden. 1813. "Great fog commenced in London, and the greatest frost of the century set in."--(ANDREWS.)	Daily Sheet Number. 361 (Taken off.) W.W.R. stations. Post Day (form 340: also pressure-tube anemograph records).
MONDAY, 28th DECEMBER. Innocents Day. 1879. Tay Bridge storm. 1908. Messina earthquake.	MONDAY 28 DEC *362. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—D.W.R. for 28th and 28th: issue day.
TUESDAY, 29th DECEMBER. 1899. Low barometric pressure over the British Isles.	Tuesday 29 Dec 363. M.O.—D.W.R. for 27th and 29th: issue day.
WEDNESDAY, 30th DECEMBER.	Wednesday 30 Dec *364. M.O.—D.W.R. for 25th and 30th: issue day.
THURSDAY, 31st DECEMBER. 1564. "Football played on the Thames between London Bridge and Westminster."--(ANDREWS.) 1865. Barometer 27.63 in. (937 mb.) at the Hoy Low Lighthouse, Orkney. 1875. Evening attendance at the Meteorological Office for the issue of Storm Warnings commenced.	365. Observatories—Close Met. Journal, 61. Met. work despatch day. Electr. work, 3rd Quarter day. M.O.—Geophysical Journal, October Copy day.
FRIDAY, 1st JANUARY 1915. New Year's Day, in England since 1751, in Scotland since 1600. 1876. Publication by "The Times" of 6 p.m. Weather Map. Suspended August, 1914.	*1.
SATURDAY, 2nd JANUARY.	2. Obs.—Close Journal, 1.

(3145-19.) Wt. 30439—S.O.P. 393, 500, 12/14. D & S. G. 17/ 32.

SIXTH WEEK OF WINTER.				YEAR XXXVIII.				WEEK No. 1.							
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*											
	Daily Sunshine, and Weekly Rainfall.			Extremes of Temperature.				Sun.							
				1871-1900.		1871-1914.		Rises.		Noon.		Sets			
N.	Sun. hrs.	Rain. in. mm.		°F.		°A.		G.M.T.							
0	0.8	1.14	29	K.	53.7	20.7	285	267	8	9	12	6	16	2	
E.				A.	49.6	18.1	85	65	8	51	-	13	15	35	
				E.	—	—	81	69	8	42	-	17	15	52	
	1	1.1	0.54	14	F.	54.4	25.9	85	70	8	22	-	25	16	28
	2	1.1	0.46	12	V.	55.0	29.4	86	72	8	51	-	46	16	40
	3	1.4	0.39	10											
W.	4	1.3	0.46	12											
	5	1.5	0.50	13	K.	53.0	16.2	285	264	8	9	12	6	16	3
				A.	47.7	28.1	82	71	8	50	-	13	15	36	
				E.	—	—	81	70	8	42	-	18	15	54	
	6	1.1	0.98	25	F.	54.1	21.5	85	67	8	22	-	25	16	28
S.	7	1.1	0.62	16	V.	53.4	26.4	85	69	8	50	-	46	16	41
	8	1.5	0.78	20											
	9	1.3	0.74	19											
	10	1.6	0.91	23											
					K.	52.6	13.1	285	263	8	8	12	6	16	4
N.	11	2.0	0.69	18	A.	50.1	12.7	83	62	8	49	-	14	15	39
				E.	—	—	79	71	8	41	-	18	15	55	
				F.	53.7	19.1	85	66	8	22	-	26	16	30	
				V.	53.0	23.5	85	68	8	50	-	46	16	42	
E.				K.	53.7	19.7	286	266	8	7	12	7	16	6	
				A.	50.7	12.4	84	62	8	48	-	14	15	40	
				E.	—	—	79	71	8	41	-	19	15	57	
				F.	54.1	20.7	85	67	8	21	-	26	16	31	
				V.	53.8	21.1	85	67	8	50	-	47	16	43	
W.															
S.															
N.															
E.															
W.															
S.															
N.															
E.															
W.															
S.															
N.															
E.															
W.															
S.															
N.															
E.															
W.															
S.															
N.															
E.															
W.															
S.															
N.															
E.															
W.															
S.															
N.															
E.															
W.															
S.															

3RD JANUARY TO 9TH JANUARY, 1915.	
<i>Astronomical and</i>	
Historical Notes.	Diary.
† In converting from inches to millibars pressure values given in previous editions it has been assumed that the gravity correction had not been made.	
SUNDAY, 3th JANUARY. 1867. First meeting of the Meteorological Committee of the Royal Society.	*3. W.W.R. § stations. Post Day. § Including pressure - tube Anemo. Stations.
MONDAY, 4th JANUARY.	4. Anemo. stations. Post Day. Baro. stations. Post Day. Climatological stations. Schedule day. Form 346, 347, 348 or 355.
TUESDAY, 5th JANUARY. 1684. Frost very intense in London; temperature 8° below zero. The longest frost on record, and the ice on the River Thames 11 in. thick. There were shops on the river till February. —(LOWE.)	*5. Observatories. Send curves and tabulations to complete December.
WEDNESDAY, 6th JANUARY. Epiphany. Twelfth Day. Benjamin Franklin b., 1706. [d. 17 Ap. 1796]. Abbott Lawrence Rotch b., 1861. [d. 7 Ap. 1912]. 1839. Beginning of two days' hurricane over British Isles. Many fatalities. Greatest hourly wind velocity of 1906, 29.1 m. | s. (65 ml. | hr.), Falmouth.	6.
THURSDAY, 7th JANUARY. 1881. Beginning of 21 days of severe frost. (Q.J.). † 1839. End of two days' hurricane over British Isles. Barometer 27.69 in. (939 mb.) at Aberdeen.	*7. Reg. Balloon Day. Obs.—Met. Work despatch day.
FRIDAY, 8th JANUARY. <i>(21h. 13m)</i> 1735. W. or W.S.W. gale. So violent a one has not been known since the memorable one of November, 1703.—(LOWE.) † 1820. Barometer 31.046 in. (1052.5 mb.) at Gordon Castle at 9 a.m.	8. H.D.I.
SATURDAY, 9th JANUARY. † 1896. Barometer (sea level) 31.108 in. (1054.5 mb.), Ochertyre 9 h.; 31.106 in. (1054.5 mb.), Fort William.	*9. Obs.—Close Journal, 2.

SEVENTH WEEK OF WINTER.				YEAR XXXVIII.				WEEK No. 2.				
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*								
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.				
				1871-1900.		1871-1914.		Rises.		Noon.		Sets
N.	Sun. hrs.	Rain. in. mm.	°F.		°A.		G.M.T.					
0	0.8	1.45	37	K. 53.2	15.2	285 264	8 6	12 9	16 12			
E.				A. 48.8	13.4	82 63	8 46	- 16	15 46			
	1	1.4	0.58	15	E. —	81 71	8 38	- 20	16 2			
	2	1.4	0.40	10	F. 53.0	25.1	85 69	8 20	- 28	16 36		
	3	1.6	0.36	9	V. 52.4	29.9	84 72	8 48	- 49	16 50		
	4	1.4	0.44	11								
5	1.6	0.49	12									
W.				K. 51.7	13.3	284 263	8 5	12 9	16 13			
	6	1.2	1.06	27	A. 50.7	11.2	83 61	8 44	- 16	15 48		
	7	1.2	0.68	17	E. —	81 70	8 38	- 21	16 4			
	8	1.6	0.78	20	F. 53.0	26.5	85 70	8 19	- 28	16 37		
	9	1.4	0.76	19	V. 54.0	29.6	85 72	8 47	- 49	16 51		
10	1.6	0.85	22									
S.				K. 54.2	19.1	285 266	8 4	12 9	16 14			
	11	2.0	0.62	16	A. 54.1	23.4	85 68	8 44	- 17	15 50		
				E. —	—	79 69	8 36	- 21	16 6			
				F. 53.7	24.7	85 69	8 19	- 29	16 39			
				V. 53.6	29.8	85 72	8 47	- 49	16 52			
				K. 54.8	19.7	286 266	8 4	12 10	16 16			
				A. 51.4	17.0	84 65	8 42	- 17	15 52			
				E. —	—	81 68	8 36	- 22	16 8			
				F. 53.9	28.0	85 71	8 18	- 29	16 40			
				V. 53.2	27.7	85 71	8 46	- 50	16 54			
N.	Mean Temperature.											
		°F.	°A.	K. 51.8	12.0	285 262	8 3	12 10	16 17			
	0	38.9	277	A. 54.6	14.4	86 63	8 42	- 18	15 54			
	E.			E. —	—	80 64	8 35	- 22	16 9			
		1	38.1	276	F. 53.2	27.7	85 71	8 17	- 29	16 41		
2		38.9	277	V. 54.0	31.4	85 73	8 45	- 50	16 55			
3	38.1	276										
4	38.3	277										
5	39.8	277										
W.				K. 54.1	10.9	285 261	8 2	12 10	16 18			
	6	40.3	278	A. 53.1	22.4	85 68	8 40	- 18	15 56			
	7	40.0	277	E. —	—	79 71	8 33	- 22	16 11			
	8	41.6	278	F. 54.0	26.0	85 70	8 17	- 30	16 43			
	9	41.0	278	V. 54.0	28.7	85 71	8 44	- 50	16 56			
10	42.8	279										
S.				K. 53.1	15.1	285 264	8 2	12 11	16 20			
	11	44.4	280	A. 52.0	16.7	84 65	8 39	- 18	15 57			
				E. —	—	79 71	8 33	- 23	16 13			
				F. 53.0	27.8	85 71	8 15	- 30	16 45			
				V. 54.4	25.5	85 69	8 43	- 51	16 58			

10TH JANUARY TO 16TH JANUARY, 1915.	
Historical Notes.	Diary.
SUNDAY, 10th JANUARY. 1909. Reports by radio-telegraphy from Atlantic liners begun.	10. W.W.R. stations. Post Day. § Including pressure-tube Anemo. Stations.
MONDAY, 11th JANUARY. 1914. Eruption of Sakarishima, Japan.	*11. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17 h.
TUESDAY, 12th JANUARY.	12. <i>Advisory Committee for Aeronautics</i>
WEDNESDAY, 13th JANUARY. <i>1915 Earthquake in Calif</i>	*13.
THURSDAY, 14th JANUARY. 1st January (Old Style) in Russian Empire, &c. Matthew Fontaine Maury b., 1806, [d. 1st Feb., 1873].	14. Obs.—Met. Work despatch day.
FRIDAY, 15th JANUARY. <i>14h. 42m</i>	*15. M. S.
SATURDAY, 16th JANUARY.	16. Obs.—Close Journal, 3.

EIGHTH WEEK OF WINTER.				YEAR XXXVIII.				WEEK No. 3.				
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*								
				Extremes of Temperature.				Sun.				
		Daily Sunshine and Weekly Rainfall.		1871-1900.		1871-1914.		Rises.		Noon.		Sets
N.	0	Sun. hrs.	Rain. in. mm.	K.	°F.	°A.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
		0.9	1.63 41	K.	51.8 9.4	284 260	8 1	12 11	16 22			
				A.	51.4 6.0	84 59	8 38	- 19	16 0			
				E.	— —	81 69	8 32	- 23	16 14			
				F.	53.7 26.8	85 70	8 14	- 30	16 46			
				V.	54.1 30.6	85 72	8 42	- 51	17 0			
E.	1	1.7	0.61 15									
	2	1.7	0.34 9									
	3	2.1	0.38 10									
	4	1.7	0.50 13									
	5	1.8	0.51 13									
W.	6	1.3	1.12 28	K.	53.1 20.5	285 267	8 0	12 11	16 24			
	7	1.4	0.75 19	A.	57.1 7.5	87 59	8 37	- 19	16 1			
	8	1.8	0.85 22	E.	— —	80 70	8 30	- 23	16 16			
	9	1.5	0.81 21	F.	53.4 22.4	85 68	8 14	- 31	16 48			
	10	1.8	0.84 21	V.	54.3 27.7	85 71	8 41	- 51	17 2			
S.	11	2.2	0.65 17	K.	55.5 20.8	286 267	7 58	12 12	16 26			
				A.	59.0 19.0	88 66	8 35	- 19	16 3			
				E.	— —	77 72	8 29	- 24	16 19			
				F.	54.2 24.9	85 69	8 13	- 31	16 49			
				V.	54.6 27.4	86 70	8 40	- 52	17 4			
				K.	53.8 15.0	285 264	7 57	12 12	16 27			
				A.	50.6 20.6	83 67	8 34	- 20	16 6			
				E.	— —	77 71	8 28	- 24	16 20			
				F.	53.0 25.7	85 70	8 11	- 31	16 51			
				V.	53.3 26.5	85 70	8 39	- 52	17 5			
N.	0	Mean Temperature.		K.	55.4 16.0	286 264	7 56	12 12	16 28			
		°F.	°A.	A.	51.4 17.9	84 65	8 32	- 20	16 8			
		38.9	277	E.	— —	78 71	8 26	- 24	16 22			
E.	1	38.6	277	F.	53.9 23.0	85 68	8 11	- 32	16 53			
	2	39.4	277	V.	55.1 24.6	86 69	8 38	- 52	17 6			
	3	38.9	277									
	4	39.1	277									
	5	40.3	278									
W.	6	40.7	278	K.	54.7 16.1	286 264	7 55	12 13	16 30			
	7	40.3	278	A.	54.0 24.4	85 69	8 30	- 20	16 10			
	8	41.9	279	E.	— —	77 68	8 24	- 24	16 24			
	9	41.1	278	F.	52.7 22.8	85 68	8 10	- 32	16 54			
	10	42.9	279	V.	54.4 25.6	85 69	8 37	- 53	17 8			
S.	11	44.7	280	K.	54.2 25.0	285 266	7 54	12 13	16 32			
				A.	53.0 16.8	85 65	8 28	- 20	16 12			
				E.	— —	77 68	8 24	- 25	16 26			
				F.	53.4 26.2	85 70	8 8	- 32	16 56			
				V.	54.6 27.4	86 70	8 36	- 53	17 10			

17TH JANUARY TO 23RD JANUARY, 1915.	
Historical Notes.	Diary.
SUNDAY, 17th JANUARY. 1881. Low temperatures —15° F. (247° A.) Stobo, —16° F. (246° A.) Kelso, —22° F. (243° A.) Blackadder.	*17. W.W.R. stations. Post Day.
MONDAY, 18th JANUARY. Warren de la Rue b. 1815 [d. 19 Ap. 1889]. 1881. Great Snowstorm in South of England known as Black Tuesday (London milk supply curtailed). 1912. Capt. R. F. Scott reached South Pole. (Scott's Last Expedition.)	18. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 19th JANUARY. <i>4 killed 15 Zeppelin Raid 9 injured Yarmouth & Lynnh</i>	*19.
WEDNESDAY, 20th JANUARY William Ferrel b. 1817 [d. 18th Sept. 1891].	20.
THURSDAY, 21st JANUARY.	*21. Obs.—Met. Work despatch day.
FRIDAY, 22nd JANUARY. St. Vincent. 1649. "Now," says Evelyn, "was the Thames frozen over, with horrid tempests of wind." (LOWE.)	22. H.D.I.
SATURDAY, 23rd JANUARY. <i>D 5h. 32m</i>	*23. Obs.—Close Journal, 4.

NINTH WEEK OF WINTER.				YEAR XXXVIII.				WEEK No. 4.			
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*							
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.			
				1871-1900.		1871-1914.		Rises.	Noon.	Sets	
N.	Sun. hrs.	Rain. in. mm.		°F.		°A.		G.M.T.			
0	1.2	1.43	36	K.	53.0	22.7	285 266	h. m.	h. m.	h. m.	
E.				A.	53.3	16.0	85 64	7 53	12 13	16 33	
				E.	—	—	81 70	8 27	- 21	16 15	
	1	2.0	0.57	14	F.	52.6	26.9	84 69	8 22	- 25	16 28
	2	2.0	0.36	9	V.	53.4	24.7	85 68	8 7	- 32	16 57
	3	2.4	0.38	10					8 35	- 53	17 11
W.	4	1.9	0.51	13							
	5	2.0	0.53	13							
	6	1.6	1.03	26	K.	54.1	19.0	285 266	7 52	12 13	16 34
	7	1.6	0.70	18	A.	52.0	19.4	85 66	8 25	- 21	16 17
	8	2.0	0.82	21	E.	—	—	83 69	8 20	- 25	16 30
S.	9	1.7	0.77	20	F.	53.9	25.0	85 69	8 7	- 33	16 59
	10	2.0	0.82	21	V.	53.4	28.6	85 69	8 34	- 53	17 12
					K.	50.6	18.0	285 265	7 51	12 14	16 36
	11	2.5	0.66	17	A.	52.7	17.3	86 60	8 23	- 21	16 19
					E.	—	—	84 66	8 19	- 25	16 31
				F.	53.1	26.0	85 70	8 5	- 33	17 1	
				V.	52.8	30.8	85 71	8 33	- 54	17 14	
				K.	51.3	18.9	286 266	7 50	12 14	16 38	
				A.	51.0	18.0	85 61	8 21	- 21	16 21	
				E.	—	—	80 71	8 18	- 26	16 34	
				F.	53.2	26.2	85 70	8 4	- 33	17 2	
				V.	53.2	32.2	85 72	8 32	- 54	17 16	
N.	Mean Temperature.										
0	°F.	°A.		K.	51.4	18.9	284 266	7 48	12 14	16 40	
E.		37.9	276	A.	50.7	18.7	85 59	8 19	- 21	16 23	
				E.	—	—	80 65	8 16	- 26	16 36	
	1	37.8	276	F.	53.9	27.2	85 70	8 2	- 33	17 4	
	2	39.2	277	V.	52.6	28.8	84 71	8 30	- 54	17 18	
	3	38.9	277								
W.	4	39.1	277								
	5	40.4	278	K.	54.0	20.6	285 265	7 47	12 14	16 42	
	6	39.9	277	A.	56.9	18.9	87 66	8 18	- 22	16 26	
	7	40.0	277	E.	—	—	80 63	8 14	- 26	16 38	
	8	41.6	278	F.	53.0	25.1	85 69	8 2	- 34	17 6	
S.	9	40.7	278	V.	53.6	27.0	85 70	8 28	- 54	17 20	
	10	42.4	279								
				K.	54.6	22.7	286 268	7 45	12 14	16 44	
	11	44.4	280	A.	54.4	22.3	85 67	8 16	- 22	16 28	
				E.	—	—	82 66	8 12	- 26	16 40	
			F.	53.0	26.6	85 70	8 0	- 34	17 8		
			V.	54.5	28.9	86 71	8 27	- 54	17 22		

24TH JANUARY TO 30TH JANUARY, 1915.	
Historical Notes.	Diary.
SUNDAY, 24th JANUARY.	W.W.R. stations. 24. Day. Post
MONDAY, 25th JANUARY. St. Paul.	*25. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion 17 h.
TUESDAY, 26th JANUARY. 1884. Great Snowstorm, Barometer 27.332 in. (926.5 mb.), (Sea level), Ochertyre.	26.
WEDNESDAY, 27th JANUARY. 1866. Meteorological Society Incorporated by Royal Charter. 1881. End of 21 days' spell of severe frost.	*27. <i>Meteorological Committee</i>
THURSDAY, 28th JANUARY.	28. Obs.—Met. work despatch day.
FRIDAY, 29th JANUARY.	*29.
SATURDAY, 30th JANUARY.	30. Obs.—Close Journal, 5. M.O.—Geophysical Journal, November Copy day.

TENTH WEEK OF WINTER.				YEAR XXXVIII.				WEEK No. 5.				
Dist.	Normals, 1881-1905, for Districts.				Notes for Observatories.*							
	Daily Sunshine and Weekly Rainfall.				Extremes of Temperature.				Sun.			
					1871-1900.		1871-1914.		Rises.		Noon.		Sets.
N.	Sun. hrs.	Rain. in.	mm.	°F.	°A.	G.M.T.						
0	1.6	1.24	6	K. 55.0 24.3 A. 57.1 25.7 E. — — F. 53.2 25.9 V. 53.1 27.8	286 269 87 64 81 65 85 70 85 71	7 44 8 14 8 10 7 59 8 26	12 15 12 15 — 22 — 26 — 55	16 46 16 30 16 42 17 9 17 24				
E.	1	2.4	0.55	14								
	2	2.5	0.38	10								
	3	2.5	0.37	9								
	4	2.2	0.47	12								
	5	2.2	0.52	13	K. 56.3 24.6 A. 55.3 27.0 E. — — F. 52.9 25.9 V. 53.0 27.8	287 268 86 64 82 64 85 70 85 71	7 42 8 12 8 9 7 57 8 25	12 15 — 22 — 27 — 34 — 55	16 48 16 32 16 45 17 11 17 25			
W.	6	2.0	0.98	25								
	7	2.0	0.62	16								
	8	2.3	0.76	19								
	9	2.1	0.71	18								
	10	2.3	0.80	20								
S.	11	2.8	0.64	16	K. 53.5 21.6 A. 52.1 24.0 E. — — F. 52.9 26.0 V. 52.0 31.5	285 267 85 69 81 65 85 70 85 70	7 40 8 10 8 7 7 56 8 23	12 15 — 22 — 27 — 34 — 55	16 50 16 34 16 47 17 12 17 27			
					K. 52.3 22.1 A. 50.7 16.0 E. — — F. 52.0 31.7 V. 52.6 25.2	285 267 83 64 81 63 86 73 85 69	7 39 8 7 8 5 7 54 8 21	12 15 — 22 — 27 — 34 — 55	16 51 16 37 16 49 17 14 17 29			
N.	0	Mean Temperature.		°F.	°A.							
				37.2	276	K. 52.0 23.0 A. 51.2 9.0 E. — — F. 52.0 31.7 V. 52.6 29.8	286 268 84 60 81 61 85 73 85 72	7 37 8 6 8 3 7 52 8 19	12 15 — 22 — 27 — 34 — 55	16 53 16 38 16 51 17 16 17 31		
E.	1	36.9	276									
	2	38.7	277									
	3	38.4	277									
	4	38.6	277									
	5	40.0	277			K. 53.8 19.7 A. 53.9 22.0 E. — — F. 53.3 25.8 V. 52.7 28.0	285 266 86 62 81 61 85 70 85 71	7 35 8 4 8 1 7 51 8 17	12 15 — 23 — 27 — 34 — 55	16 55 16 42 16 53 17 17 17 33		
W.	6	38.6	277									
	7	39.6	277									
	8	41.2	278									
	9	40.4	278									
	10	42.1	279			K. 52.6 14.5 A. 53.0 19.1 E. — — F. 53.1 22.4 V. 54.1 23.0	284 263 85 66 80 67 85 68 85 68	7 34 8 2 7 59 7 50 8 15	12 15 — 23 — 27 — 35 — 55	16 56 16 44 16 55 17 20 17 35		
S.	11	44.0	280									

31ST JANUARY TO 6TH FEBRUARY, 1915.	
Historical Notes.	Diary.
	Upper Air Week. See note on p. 112.
SUNDAY, 31st JANUARY. <i>0 4h. 41m</i> 1902. Barometer (Sea level) 31.110 in. (1055 mb.), Aberdeen.	W.W.R. stations. *31. Post Day. Obs.—Close Journal, 6.
MONDAY, 1st FEBRUARY. St. Bridget or Bride. 1894. First telegraphic report from Azores (Delgada).	32. Anemo. stations. Post Day. Baro. stations. Post Day. Balloon Day. M.O.—W.W.R. App. I. Copy day.
TUESDAY, 2nd FEBRUARY. Purification of the B.V.M. Candlemas.	*33. Balloon Day. M.O.—W.W.R. Annual Appendices I, II, and III (wind report). Copy day.
WEDNESDAY, 3rd FEBRUARY.	34. Balloon Day. M.O.—Annual Summary. Copy day.
THURSDAY, 4th FEBRUARY. 1907. Reports by radiotelegraphy from H.M. Ships begun.	*35. Obs.—Met. work despatch day. Climatological Stations Schedule day. Balloon Day.
FRIDAY, 5th FEBRUARY. 1861. First cautionary or "Storm Signal" made. 1870. Barometer 27.33 in. (926 mb.), S.S. "Tarifa," 51°N., 24°W.	36. Obs. send curves and tabulations to complete month. Balloon Day.
SATURDAY, 6th FEBRUARY. St. Dorothea. 1665. "One of the coldest days, they say, ever felt in England."—(PEPYS.)	*37. Obs.—Close Journal, 7. Balloon Day.

ELEVENTH WEEK OF WINTER.				YEAR XXXVIII.				WEEK No. 6.			
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*							
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.			
				1871-1900.		1871-1914.		Rises.		Noon.		Sets.
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.			
0	2.0	1.13	29	K. 57.6	10.8	287	261	7 32	12 15	16 58	
E.				A. 52.5	18.4	85	65	8 0	- 23	16 46	
	1	2.7	0.53	13	E. —	—	81	73	7 57	- 27	16 57
	2	2.7	0.35	9	F. 54.3	28.7	85	71	7 49	- 35	17 21
	3	2.8	0.36	9	V. 54.0	24.8	85	69	8 13	- 55	17 37
	4	2.4	0.43	11							
W.	5	2.6	0.47	12	K. 53.4	11.6	285	262	7 31	12 15	16 59
					A. 51.5	7.4	84	59	7 57	- 23	16 49
	6	2.2	0.94	24	E. —	—	80	74	7 55	- 27	16 59
	7	2.4	0.55	14	F. 54.4	27.7	85	71	7 47	- 35	17 23
	8	2.6	0.72	18	V. 52.7	32.1	85	73	8 12	- 55	17 38
S.	9	2.4	0.65	17							
	10	2.6	0.78	20	K. 57.0	11.7	287	262	7 29	12 15	17 1
					A. 53.4	6.5	85	59	7 55	- 23	16 51
	11	3.2	0.64	16	E. —	—	82	71	7 53	- 27	17 1
					F. 56.4	30.7	87	72	7 45	- 35	17 25
				V. 53.0	32.8	85	72	8 10	- 55	17 40	
				K. 62.3	18.7	290	266	7 27	12 15	17 3	
				A. 52.4	8.0	86	60	7 53	- 23	16 53	
				E. —	—	81	73	7 51	- 27	17 3	
				F. 57.6	29.2	87	71	7 43	- 35	17 27	
				V. 53.5	30.0	86	71	8 8	- 55	17 42	
N.	Mean Temperature.										
0	F. 37.4	A. 276		K. 55.5	20.7	286	267	7 25	12 15	17 5	
E.				A. 54.5	14.3	86	63	7 51	- 23	16 55	
	1	36.7	276	E. —	—	81	67	7 49	- 27	17 5	
	2	38.4	277	F. 53.4	30.0	85	71	7 42	- 35	17 28	
	3	38.2	276	V. 53.5	29.6	85	69	8 6	- 55	17 44	
	4	38.4	277								
W.	5	39.7	277								
	6	38.8	277	K. 56.3	17.2	287	265	7 23	12 15	17 7	
	7	29.3	277	A. 52.7	17.9	85	65	7 48	- 23	16 58	
	8	41.0	278	E. —	—	80	66	7 46	- 27	17 8	
	9	40.4	278	F. 53.7	26.0	85	70	7 40	- 35	17 30	
10	41.9	279	V. 53.3	27.0	85	69	8 4	- 55	17 46		
S.				K. 54.8	14.9	286	264	7 21	12 15	17 9	
				A. 51.4	11.5	84	62	7 46	- 23	17 0	
	11	43.9	280	E. —	—	80	73	7 44	- 27	17 10	
				F. 54.0	28.0	85	71	7 38	- 35	17 32	
				V. 53.3	26.6	85	68	8 2	- 55	17 48	

7TH FEBRUARY TO 13TH FEBRUARY, 1915.	
Historical Notes.	Diary.
SUNDAY, 7th FEBRUARY. <i>Q 5h. 11m</i> Southport. Highest wind of 1913, hourly velocity, 27.7 m. | s. (62 ml. | hr.), strongest gust 38.4 m. | s. (86 ml. | hr.) 1895. Temperature —10° F. (250° A) at Barkby, near Leicester.	38. W.W.R. stations. Post Day.
MONDAY, 8th FEBRUARY. 1895. Beginning of 14 days' frost with skating on the Serpentine. Temperature —12° F. (249° A.). Braemar. 1906. Line squall.—(Q.J.).	*39. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17 h.
TUESDAY, 9th FEBRUARY.	40. <i>Advisory Committee for Aeronautics</i>
WEDNESDAY, 10th FEBRUARY.	*41.
THURSDAY, 11th FEBRUARY. Hon. R. Abercromby, b. 1842 [d. 21 June, 1897]. 1895. Temperature —17° F. (246° A.). Braemar.	42. Obs.—Met. work despatch day.
FRIDAY, 12th FEBRUARY. St. Eulalie,	*43. H.D.I.
SATURDAY, 13th FEBRUARY.	44. Obs.—Close Journal, 8.

TWELFTH WEEK OF WINTER.				YEAR XXXVIII.				WEEK No. 7.				
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*								
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.				
				1871-1900.		1871-1914.		Rises.		Noon.		Sets
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.				
0	2.3	0.94	24	K. 54.6	20.1	287	266	h. m.	h. m.	h. m.		
E.				A. 50.7	23.1	84	64	7 19	12 15	17 11		
				E. —	—	81	73	7 44	— 23	17 2		
	1	2.7	0.50	13	F. 55.2	31.4	86	72	7 42	— 27	17 12	
	2	2.7	0.33	8	V. 54.3	26.8	85	68	7 36	— 35	17 34	
	3	2.9	0.33	8					8 0	— 55	17 50	
W.	4	2.5	0.40	10								
	5	3.0	0.43	11	K. 53.4	26.1	286	270	7 17	12 15	17 13	
				A. 56.4	18.0	87	65	7 41	— 23	17 5		
				E. —	—	81	73	7 39	— 27	17 15		
	6	2.2	0.83	21	F. 53.9	30.3	85	70	7 35	— 35	17 35	
S.	7	2.6	0.52	13	V. 52.7	33.0	85	72	7 58	— 55	17 52	
	8	2.9	0.68	17								
	9	2.6	0.63	16	K. 52.1	23.7	285	265	7 16	12 15	17 14	
	10	2.9	0.67	17	A. 53.1	11.0	87	61	7 39	— 23	17 7	
	11	3.6	0.60	15	E. —	—	82	72	7 37	— 27	17 17	
				F. 52.8	27.4	85	70	7 33	— 35	17 37		
				V. 54.3	31.3	85	73	7 57	— 55	17 53		
				K. 57.5	19.2	287	266	7 14	12 15	17 16		
				A. 52.2	17.2	84	65	7 37	— 23	17 9		
				E. —	—	83	71	7 35	— 27	17 19		
N.				F. 54.2	23.2	85	68	7 31	— 35	17 39		
				V. 53.9	28.7	85	71	7 55	— 55	17 55		
		Mean Temperature.										
	0	°F. 37.9	°A. 276	K. 55.4	19.2	286	266	7 12	12 15	17 18		
	E.			A. 54.5	12.8	86	62	7 34	— 23	17 12		
1		36.9	276	E. —	—	82	72	7 33	— 27	17 21		
2		38.5	277	F. 54.5	33.4	86	73	7 28	— 34	17 40		
3		38.4	277	V. 54.6	32.4	86	73	7 53	— 55	17 57		
4		38.5	277									
W.	5	39.8	277									
	6	38.9	277	K. 56.3	23.5	287	268	7 10	12 15	17 20		
	7	39.4	277	A. 53.0	12.0	87	62	7 31	— 22	17 13		
	8	41.0	278	E. —	—	82	69	7 31	— 27	17 23		
	9	40.5	278	F. 53.1	32.0	86	73	7 27	— 34	17 41		
S.	10	42.1	279	V. 53.0	28.4	86	71	7 51	— 55	17 59		
				K. 53.3	25.1	287	269	7 8	12 15	17 22		
				A. 53.9	15.9	85	64	7 29	— 22	17 15		
				E. —	—	80	71	7 29	— 27	17 25		
	11	44.0	281	F. 53.6	29.9	85	72	7 25	— 34	17 43		
			V. 53.5	29.8	85	72	7 49	— 55	18 1			

14TH FEBRUARY TO 20TH FEBRUARY, 1915.	
Historical Notes.	Diary.
SUNDAY, 14th FEBRUARY. St. Valentine. 4h.3 1698. Great Snowstorm: snow drifts several yards deep.—(LOWE.)	W.W.R. stations. *45. Post Day.
MONDAY, 15th FEBRUARY. 1907. Full service of telegraphic reports from Iceland.	46. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 16th FEBRUARY. Sir F. Galton b. 1822, [d. 17th Jan., 1911].	*47.
WEDNESDAY, 17th FEBRUARY. Ash Wednesday.	48. M.O.—Half-yearly issue of cards to Sunshine stations.
THURSDAY, 18th FEBRUARY. 1895. Ice 10 in. thick, Regent's Park.	*49. Obs.—Met. work despatch day.
FRIDAY, 19th FEBRUARY. 1895. Ice 7½ in. thick, Serpentine. (Q.J.) Strongest gust of 1910, 38.9 m. | s. (87 ml. | hr.), Pendennis.	50.
SATURDAY, 20th FEBRUARY. 1895. Ice 7½ in. thick, Serpentine. (Q.J.) 1907. "Berlin" wrecked, North Sea.	*51. Obs.—Close Journal, 9.

THIRTEENTH WEEK OF WINTER.				YEAR XXXVIII.				WEEK No. 8.					
Dist.	Normals, 1881-1905. for Districts.			Notes for Observatories.*									
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.					
				1871-1900.		1871-1914.		Rises.		Noon.		Sets.	
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.					
0	2.4	0.91	23	K. 52.8	23.0	286	268	7 6	12 15	17 24			
E.				A. 55.5	25.1	86	69	7 26	- 22	17 18			
				E. —	—	81	69	7 26	- 27	17 28			
	1	2.8	0.51	13	F. 52.8	30.9	85	71	7 23	- 34	17 45		
	2	2.9	0.35	9	V. 53.6	27.5	85	71	7 47	- 55	18 3		
	3	3.0	0.35	9									
4	2.7	0.42	11										
5	3.1	0.46	12										
W.				K. 55.1	23.2	286	268	7 4	12 15	17 26			
				A. 60.2	18.4	89	65	7 24	- 22	17 20			
	6	2.6	0.82	21	E. —	—	83	67	7 24	- 27	17 30		
	7	2.8	0.55	14	F. 54.2	30.9	85	72	7 21	- 34	17 47		
	8	3.1	0.70	18	V. 54.2	32.4	85	72	7 45	- 55	18 5		
9	2.7	0.65	17										
10	3.2	0.74	19										
S.				K. 55.7	27.3	286	268	7 2	12 15	17 28			
				A. 54.2	22.2	85	68	7 21	- 22	17 23			
				E. —	—	82	65	7 21	- 26	17 31			
				F. 54.5	29.2	86	71	7 19	- 34	17 49			
	11	3.8	0.61	15	V. 56.7	32.0	87	71	7 43	- 55	18 7		
				K. 56.3	20.8	287	267	6 59	12 14	17 29			
				A. 55.8	15.3	86	64	7 19	- 22	17 25			
				E. —	—	80	71	7 19	- 26	17 33			
				F. 56.0	26.0	86	70	7 17	- 34	17 51			
				V. 56.2	30.0	86	72	7 41	- 54	18 8			
N.	Mean Temperature.												
		°F.	°A.										
0		37.9	276	K. 54.9	22.1	286	268	6 57	12 14	17 31			
E.				A. 57.5	12.5	87	62	7 16	- 22	17 28			
				E. —	—	82	67	7 16	- 26	17 36			
	1	37.3	276	F. 55.1	23.9	86	69	7 15	- 34	17 52			
	2	38.7	277	V. 54.1	30.0	85	72	7 39	- 54	18 10			
	3	38.8	277										
4	38.8	277											
5	40.0	277											
W.				K. 56.7	22.8	287	268	6 55	12 14	17 33			
				A. 58.2	21.0	88	67	7 14	- 22	17 30			
	6	39.1	277	E. —	—	81	68	7 14	- 26	17 38			
	7	39.5	277	F. 53.6	26.9	85	70	7 13	- 33	17 53			
	8	41.0	278	V. 55.3	30.0	86	72	7 37	- 54	18 12			
9	40.5	278											
10	42.2	279											
S.				K. 56.0	23.1	287	268	6 54	12 14	17 34			
				A. 51.2	21.0	85	67	7 10	- 21	17 32			
				E. —	—	81	69	7 12	- 26	17 40			
				F. 54.0	29.6	85	72	7 11	- 33	17 55			
	11	43.8	280	V. 54.0	26.8	85	70	7 35	- 54	18 13			

21ST FEBRUARY TO 27TH FEBRUARY, 1915.	
Historical Notes.	Diary.
SUNDAY, 21st FEBRUARY. 1895. End of 14 days' frost with skating on Serpentine. Greatest hourly wind velocity of 1910, 28.2 m. | s. (63 ml. | hr.), strongest gust 38 m. | s. (85 ml. | hr.), Southport. (See also Dec. 16.)	W.W.R. stations. 52. Post Day.
MONDAY, 22nd FEBRUARY. St. Peter. 21.58. Greatest wind velocity of 1908, 26.4 metres per sec. (59 mls. per hr.), Deerness.	Anemo. stations. *53. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17 h.
TUESDAY, 23rd FEBRUARY.	54.
WEDNESDAY, 24th FEBRUARY. St. Mathias.	*55.
THURSDAY, 25th FEBRUARY.	56. Obs.—Met. work despatch day.
FRIDAY, 26th FEBRUARY.	H.D.I. *57.
SATURDAY, 27th FEBRUARY. 1903. Destructive Circular Storm. Strongest gust 39.3 m. | s. (88 ml. | hr.), Pendennis. Maximum hourly velocity, 24.6 m. | s. (55 ml. | hr.). (Q.J.)	58. Obs.—Close Journal, 10. M.O.—Geophysical Journal, December Copy day.

FIRST WEEK OF SPRING.				YEAR XXXVIII.				WEEK No. 9.					
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*									
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.					
				1871-1900.		1871-1914.		Rises.		Noon.		Sets	
N.	Sun. hrs.	Rain. in. mm.	°F.		°A.		G.M.T.						
0	2.6	1.03 26	K. 57.1 21.9 A. 52.4 25.0 E. — — F. 53.7 29.2 V. 55.2 27.3	287 267 84 69 84 71 85 71 86 70	h. m. h. m. h. m. 6 52 12 14 17 36 7 8 — 21 17 34 7 10 — 26 17 42 7 9 — 33 17 57 7 33 — 54 18 15								
E.	1 3.1 0.54 14 2 3.4 0.42 11 3 3.4 0.34 9 4 3.0 0.42 11 5 3.4 0.45 11												
W.	6 3.0 0.83 21 7 3.0 0.56 14 8 3.4 0.67 17 9 2.9 0.61 15 10 3.5 0.69 18												
S.	11 4.2 0.58 15												
				K. 62.2 22.4 A. 60.0 19.4 E. — — F. 54.1 25.0 V. 55.3 30.2	290 268 89 66 82 75 85 69 86 72	6 45 12 13 17 41 7 1 — 21 17 41 7 2 — 25 17 48 7 2 — 32 18 2 7 26 — 53 18 20							
N.	Mean Temperature.			°F.	°A.								
0	38.1	276	K. 60.6 18.3 A. 55.7 16.3 E. — — F. 54.6 23.8 V. 53.9 30.7	289 265 86 64 82 73 86 68 85 72	6 43 12 13 17 43 6 58 — 20 17 43 7 0 — 25 17 50 7 0 — 32 18 4 7 24 — 53 18 22								
E.	1 38.0 276 2 39.5 277 3 39.6 277 4 39.7 277 5 40.8 278												
W.	6 39.6 277 7 40.1 278 8 41.5 278 9 40.9 278 10 42.6 279												
S.	11 44.2 280												

28TH FEBRUARY TO 6TH MARCH, 1915.	
Historical Notes.	Diary.
	Upper Air Short Series.
<i>human</i> SUNDAY, 28th FEBRUARY. St. Romanus. René Antoine Ferchault de Réaumur b., 1683 [d. 17 Oct., 1757]. Strongest gust of 1908, 37.6 m. | s. (84 ml. | hr.), Scilly.	*59. W.W.R. stations. Post Day. Obs.—Close Journal, 11.
MONDAY, 1st MARCH. St. David's. <i>29 feb</i> 0 18h.33m	60. Anemo. stations. Post Day. Baro. stations. Post Day. Sunshine stations. Equi- noctial cards (straight) to be used until 12th April.
TUESDAY, 2nd MARCH. St. Chad. Sir W. J. L. Wharton b., 1843 [d. 29 Sept., 1905].	*61. M.O. — Introductions to W.W.R. and M.W.R. 1914. Copy day.
WEDNESDAY, 3rd MARCH. St. Winnold.	62. Balloon Day.
THURSDAY, 4th MARCH. Strongest gust of 1912, 43.8 m. | s. (98 ml. | hr.), Pendennis Castle. (See also Dec. 26th.)	*63. Obs.—Met. work despatch day. Climatological stations. Schedule day. Balloon Day.
FRIDAY, 5th MARCH.	64. Observatories send curves and tabulations to complete month. Balloon Day.
SATURDAY, 6th MARCH.	*65. Obs.—Close Journal, 12.

SECOND WEEK OF SPRING.				YEAR XXXVIII.				WEEK No. 10.				
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*								
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.				
				1871-1900.		1871-1914.		Rises.		Noon.		Sets.
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.				
0	2.8	1.06	27	K.	59.7	22.3	289	268	h. m.	h. m.	h. m.	
E.				A.	58.2	25.0	88	69	6 36	12 12	17 48	
				E.	—	—	80	73	6 50	— 20	17 50	
	1	3.4	0.53	13	F.	54.7	31.3	87	73	6 52	— 24	17 56
	2	4.0	0.42	11	V.	55.7	33.0	86	73	6 54	— 32	18 9
	3	3.9	0.33	8					7 17	— 52	18 28	
4	3.5	0.37	9									
5	3.8	0.40	10									
W.				K.	61.0	24.9	289	269	6 34	12 12	17 50	
	6	3.4	0.78	20	A.	54.8	22.3	86	68	6 47	— 19	17 52
	7	3.4	0.51	13	E.	—	—	79	71	6 50	— 24	17 58
	8	3.9	0.57	14	F.	55.4	29.5	86	72	6 52	— 31	18 10
	9	3.2	0.56	14	V.	54.6	30.3	86	72	7 15	— 52	18 30
10	3.7	0.63	16									
S.				K.	59.3	22.2	288	268	6 32	12 12	17 52	
	11	4.8	0.47	12	A.	57.0	22.3	87	68	6 44	— 19	17 54
				E.	—	—	80	68	6 47	— 24	18 1	
				F.	54.9	29.4	86	72	6 50	— 31	18 12	
				V.	53.6	29.7	85	72	7 13	— 52	18 32	
				K.	58.7	24.3	288	269	6 30	12 12	17 54	
				A.	54.3	24.1	87	69	6 42	— 19	17 57	
				E.	—	—	81	66	6 44	— 23	18 2	
				F.	54.0	26.6	85	70	6 48	— 31	18 14	
				V.	54.7	29.0	86	71	7 11	— 52	18 34	
N.	Mean Temperature.			K.	57.3	23.2	287	268	6 27	12 11	17 56	
	0	39.1	277	A.	55.1	24.2	86	68	6 40	— 19	17 59	
	E.			E.	—	—	81	69	6 42	— 23	18 4	
		1	39.3	277	F.	55.5	28.4	86	71	6 46	— 31	18 16
		2	40.7	278	V.	53.9	28.7	85	71	7 8	— 51	18 35
3	40.9	278										
4	41.0	278										
5	42.0	279		K.	59.4	23.9	288	269	6 25	12 11	17 57	
W.				A.	60.1	21.9	89	67	6 36	— 18	18 0	
	6	40.7	278	E.	—	—	81	70	6 39	— 23	18 7	
	7	41.2	278	F.	54.0	30.2	86	72	6 43	— 30	18 17	
	8	42.5	279	V.	54.3	31.2	85	73	7 5	— 51	18 37	
	9	41.8	278									
10	43.3	279										
S.				K.	57.5	24.9	287	269	6 22	12 11	17 59	
	11	45.1	280	A.	56.7	24.0	87	68	6 34	— 18	18 3	
				E.	—	—	84	69	6 37	— 23	18 9	
				F.	55.7	28.3	86	71	6 41	— 30	18 19	
				V.	54.9	29.0	86	71	7 3	— 51	18 39	

7TH MARCH TO 13TH MARCH, 1915.		
Historical Notes.	Diary.	
		66.
SUNDAY, 7th MARCH. Sir J. F. W. Herschel b. 1792 [d. 11 May, 1871].	W.W.R. stations. Day.	Post
		*67.
MONDAY, 8th MARCH. <i>C 12h.28m</i> 1890. Thunderstorm and whirlwind at York. (Q.J.)	Anemo. stations. Day. Baro. stations. Post Day. M.O.—Discussion, 17 h.	Post
		68.
TUESDAY, 9th MARCH.	<i>Advisory Committee for Aeronautics</i>	
		*69.
WEDNESDAY, 10th MARCH.		
		70.
THURSDAY, 11th MARCH. 1872. Lithographic reproductions of Daily Charts begun. 1911. Western European Standard time (G.M.T.) adopted in France.	Obs.—Met. work despatch day.	
		*71.
FRIDAY, 12th MARCH.	H.D.I.	
		72.
SATURDAY, 13th MARCH. 1900. Highest barometer reading on board ship in N. Atlantic, 31.09 in. (1054 mb.), s.s. "Lumen" in 55° N., 24° W.	Obs.—Close Journal, 13.	

THIRD WEEK OF SPRING.				YEAR XXXVIII.				WEEK No. 11.				
Normals, 1881-1905, for Districts.				Notes for Observatories.*								
Dist.	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.				
				1871-1900.		1871-1914.		Rises. Noon. Sets.				
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.				
0	3.3	1.03	26	K.	59.1	25.0	288	269	h. m.	h. m.	h. m.	
E.				A.	56.2	25.7	86	68	6 20	12 11	18 0	
				E.	—	—	81	73	6 31	—	18 5	
	1	3.9	0.52	13	F.	54.8	25.4	86	69	6 34	—	18 10
	2	4.3	0.37	9	V.	55.0	30.4	86	72	6 39	—	18 20
	3	4.3	0.37	9					7 0	—	51 18 41	
W.	4	3.9	0.37	9								
	5	4.3	0.40	10	K.	65.3	27.0	292	270	6 18	12 10	18 3
				A.	55.7	22.7	86	68	6 29	—	18 8	
				E.	—	—	81	72	6 32	—	22 18 12	
	6	3.9	0.80	20	F.	55.2	32.6	86	73	6 37	—	29 18 21
S.	7	3.9	0.53	13	V.	60.2	33.7	89	73	6 58	—	50 18 43
	8	4.4	0.58	15								
	9	3.7	0.62	16								
	10	4.2	0.66	17	K.	65.0	24.1	291	269	6 15	12 10	18 5
	11	5.2	0.47	12	A.	61.8	20.0	90	66	6 26	—	17 18 9
				E.	—	—	80	67	6 29	—	22 18 15	
				F.	57.1	30.3	87	73	6 35	—	29 18 23	
				V.	62.9	31.2	90	72	6 55	—	50 18 45	
				K.	63.4	22.2	290	268	6 13	12 10	18 7	
				A.	59.0	16.9	88	65	6 23	—	17 18 11	
				E.	—	—	81	69	6 26	—	21 18 16	
				F.	57.0	28.4	87	71	6 33	—	29 18 25	
				V.	57.4	28.8	87	71	6 53	—	50 18 46	
N.	Mean Temperature.			K.	61.7	24.9	290	269	6 10	12 9	18 8	
0	40.0	277		A.	59.1	12.0	88	62	6 21	—	17 18 14	
E.				E.	—	—	80	64	6 24	—	21 18 18	
	1	40.2	278	F.	56.8	29.8	87	72	6 31	—	29 18 27	
	2	41.3	278	V.	54.6	30.9	86	72	6 50	—	49 18 48	
	3	41.8	278									
	4	41.8	278									
W.	5	42.9	279	K.	62.9	23.8	290	268	6 8	12 9	18 10	
				A.	55.4	19.6	86	66	6 17	—	16 18 15	
				E.	—	—	79	70	6 22	—	21 18 20	
	6	41.5	278	F.	56.0	28.4	86	71	6 28	—	28 18 28	
	7	41.9	279	V.	55.5	30.0	86	72	6 48	—	49 18 50	
8	43.3	279										
9	42.4	279										
10	43.9	280										
S.				K.	61.0	27.3	289	270	6 6	12 9	18 11	
				A.	54.4	25.7	87	70	6 15	—	16 18 18	
				E.	—	—	78	71	6 19	—	21 18 23	
	11	45.7	281	F.	55.6	28.3	86	71	6 26	—	28 18 30	
				V.	59.1	31.1	88	73	6 46	—	49 18 51	

14TH MARCH TO 20TH MARCH, 1915.	
Historical Notes.	Diary.
SUNDAY, 14th MARCH. Greatest wind velocity of 1905, 32.2 m. | s. (72 ml. | hr.), gust 46 m. | s. (103 ml. | hr.), Pendennis Castle. Highest record for M.O. for anemographs.	*73. W.W.R. stations. Post Day.
MONDAY, 15th MARCH. 19h. 42m	74. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 16th MARCH. Strongest gust of 1907, 36.2 m. | s. (81 ml. | hr.), Southport.	*75. M.O.—Boy Clerks' examination.
WEDNESDAY, 17th MARCH. St. Patrick.	76. M.O.—Quarterly issue of forms.
THURSDAY, 18th MARCH.	*77. Obs.—Met. work despatch day.
FRIDAY, 19th MARCH. St. Joseph.	78.
SATURDAY, 20th MARCH.	*79. Obs.—Close Journal, 14.

FOURTH WEEK OF SPRING.				YEAR XXXVIII.				WEEK No. 12.				
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*								
				Extremes of Temperature.				Sun.				
		Daily Sunshine and Weekly Rainfall.		1871-1900.		1871-1914.		Rises.		Noon.		Sets.
N.	Sun. hrs.	Rain. in. mm.	°F.		°A.		G.M.T.					
0	3.9	0.91	23	K. 61.2	22.5	289	268	6 4	12 8	18 12		
E.				A. 58.5	25.4	88	69	6 12	- 16	18 21		
	1	4.2	0.49	12	E. —	—	79 71	6 16	- 20	18 24		
	2	4.7	0.38	10	F. 56.3	29.3	87 72	6 24	- 28	18 32		
	3	4.8	0.36	9	V. 55.1	30.3	86 72	6 44	- 48	18 52		
	4	4.3	0.39	10								
W.	5	4.7	0.36	9								
	6	4.5	0.76	19	K. 63.9	23.9	291 269	6 2	12 8	18 14		
	7	4.1	0.56	14	A. 58.4	22.4	88 68	6 9	- 16	18 23		
	8	4.8	0.59	15	E. —	—	80 70	6 13	- 20	18 27		
S.	9	4.2	0.65	17	F. 58.4	31.0	88 72	6 21	- 27	18 33		
	10	4.8	0.68	17	V. 56.7	27.6	87 71	6 42	- 48	18 54		
	11	5.6	0.47	12	K. 65.3	23.0	292 268	6 0	12 8	18 16		
					A. 59.1	20.6	88 67	6 6	- 15	18 24		
					E. —	—	81 67	6 11	- 20	18 29		
					F. 54.8	27.1	86 70	6 19	- 27	18 35		
					V. 56.8	29.2	87 71	6 40	- 48	18 56		
					K. 67.4	22.6	293 268	5 58	12 8	18 18		
					A. 63.0	20.0	90 66	6 4	- 15	18 27		
					E. —	—	82 70	6 8	- 19	18 30		
					F. 55.3	27.6	86 71	6 17	- 27	18 37		
					V. 64.2	26.3	91 70	6 38	- 48	18 58		
N.	Mean Temperature.			°F.		°A.						
0		40.4	278	K. 63.3	24.4	292	269	5 55	12 7	18 19		
E.				A. 62.9	19.7	90	66	6 1	- 15	18 29		
	1	40.7	278	E. —	—	84	69	6 6	- 19	18 32		
	2	41.8	278	F. 54.7	31.8	86	73	6 15	- 26	18 37		
	3	42.8	279	V. 63.8	33.1	91	73	6 35	- 47	18 59		
	4	42.7	279									
W.	5	44.0	280									
	6	42.1	272	K. 64.4	27.4	291	270	5 53	12 7	18 21		
	7	42.6	279	A. 53.3	26.9	88	70	5 58	- 14	18 31		
	8	44.2	280	E. —	—	82	71	6 3	- 19	18 35		
S.	9	43.0	279	F. 57.0	34.0	87	71	6 13	- 26	18 39		
	10	44.6	280	V. 60.6	31.3	89	70	6 33	- 47	19 1		
				K. 62.0	27.0	290	270	5 51	12 7	18 23		
				A. 55.2	23.5	89	68	5 55	- 14	18 33		
				E. —	—	83	70	6 0	- 18	18 36		
				F. 58.7	31.8	88	73	6 11	- 26	18 41		
				V. 60.1	31.9	89	73	6 31	- 47	19 3		

21ST MARCH TO 27TH MARCH, 1915.	
Historical Notes.	Diary.
	80.
SUNDAY, 21st MARCH. St. Benedict.	W.W.R. stations. Post Day.
MONDAY, 22nd MARCH. 1682. River Thames, at London, ebbed and flowed three times in four hours.—(LOWE.) 1913. "Record" gust at Kew. 30 m. | s. (67 ml. | hr.).	*81. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17 h.
TUESDAY, 23rd MARCH. D. 22h. 48m	82.
WEDNESDAY, 24th MARCH. 1878. "Eurydice" line-squall. (Q.J.) 1895. Destructive secondary passed across England. (F.W.) 1902. Circular storm. Hourly wind velocity, 18.8 m. | s. (42 ml. | hr.), Valencia. (L.H.)	*83. <i>Meteorological Committee</i>
THURSDAY, 25th MARCH. Lady Day.	84. Obs.—Met. work despatch day.
FRIDAY, 26th MARCH.	*85. H.D.I.
SATURDAY, 27th MARCH.	86. Obs.—Close Journal, 15.

FIFTH WEEK OF SPRING.				YEAR XXXVIII.				WEEK No. 13.				
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*								
		Daily Sunshine and Weekly Rainfall.		Extremes of Temperature.				Sun.				
				1871-1900.		1871-1914.		Rises.		Noon.		Sets.
N.	0	Sun. hrs.	Rain. in. mm.	K.	°F.	27.6	291	°A.	270	h. m.	h. m.	h. m.
E.		4.3	0.78	A.	54.4	21.6		87	67	5 48	12 6	18 24
	1	4.6	0.44	E.	—	—		82	68	5 53	— 14	18 35
	2	5.1	0.38	F.	55.4	33.9		86	72	5 58	— 18	18 38
	3	5.1	0.34	V.	61.6	30.0		89	72	6 9	— 26	18 43
	4	4.7	0.41							6 28	— 46	19 4
W.	5	5.0	0.32									
	6	5.0	0.67	K.	64.9	27.7		291	270	5 46	12 6	18 26
	7	4.1	0.52	A.	58.1	22.1		88	63	5 50	— 13	18 37
	8	5.1	0.54	E.	—	—		84	74	5 55	— 18	18 41
	9	4.5	0.58	F.	57.0	32.8		87	72	6 7	— 25	18 44
S.	10	5.1	0.62	V.	60.0	29.4		89	72	6 26	— 46	19 6
	11	6.0	0.42	K.	64.2	26.3		291	270	5 44	12 6	18 28
				A.	56.7	26.0		87	70	5 47	— 13	18 39
				E.	—	—		83	73	5 52	— 17	18 42
				F.	56.9	31.0		87	72	6 5	— 25	18 45
N.	0			V.	58.1	31.4		88	73	6 24	— 46	19 8
				K.	63.1	29.9		292	272	5 41	12 5	18 29
				A.	61.7	25.1		90	69	5 44	— 13	18 41
				E.	—	—		84	72	5 50	— 17	18 44
				F.	58.2	32.0		89	73	6 3	— 25	18 47
				V.	58.5	30.5		88	72	6 21	— 45	19 9
				Mean Temperature.								
				K.	67.2	27.0		293	270	5 39	12 5	18 31
				A.	68.2	29.9		93	72	5 41	— 12	18 43
				E.	—	—		85	71	5 48	— 17	18 46
E.	1	41.4	278	F.	56.4	35.2		87	74	6 0	— 24	18 48
	2	42.5	279	V.	57.5	30.9		87	72	6 19	— 45	19 11
	3	43.8	280									
	4	43.8	280									
	5	45.2	280									
W.	6	42.8	279	K.	65.4	27.9		292	271	5 37	12 5	18 33
	7	43.7	280	A.	59.2	29.0		88	71	5 39	— 12	18 46
	8	45.3	280	E.	—	—		84	69	5 46	— 17	18 48
	9	44.0	280	F.	56.8	34.9		87	75	5 58	— 24	18 50
	10	45.6	281	V.	63.1	30.9		90	72	6 17	— 45	19 13
S.				K.	65.1	31.8		291	271	5 35	12 5	18 35
				A.	59.1	25.9		88	70	5 36	— 12	18 48
				E.	—	—		85	69	5 43	— 16	18 50
				F.	58.7	34.7		88	75	5 56	— 24	18 52
	81	47.6	282	V.	61.3	31.9		89	73	6 15	— 45	19 15

28TH MARCH TO 3RD APRIL, 1915.	
Historical Notes.	Diary.
First week of Wheat-growing period, Western Australia (Commonwealth Weather Bureau, Western Australia, 1908).	
SUNDAY, 28th MARCH.	W.W.R. stations. *87. Post Day.
MONDAY, 29th MARCH.	Anemo. stations. 88. Post Day. Baro. stations. Post Day.
TUESDAY, 30th MARCH.	*89.
WEDNESDAY, 31st MARCH. O 5h.38m	90. Obs.—Electr. work, 1914, 4th Quarter day. Close Journal, 16. M.O.—Geophysical Journal, January Copy day.
THURSDAY, 1st APRIL. 1879. Issue of forecasts resumed. First publication by "The Times" of the 8 a.m. Weather Map.	*91. Obs.—Met. work despatch day. Balloon Day.
FRIDAY, 2nd APRIL. Good Friday. J. P. Gassiot b. 1797, [d. 15 Aug. 1877].	92. M.O.—Press closed.
SATURDAY, 3rd APRIL. 1850. Royal Meteorological Society founded as British Meteorological Society.	*93. Climatological stations. Schedule day. Obs.—Close Journal, 17.

SIXTH WEEK OF SPRING.				YEAR XXXVIII.				WEEK No. 14.				
Normals, 1881-1905, for Districts.				Notes for Observatories.*								
Dist.	Daily Sunshine and Weekly Rainfall.				Extremes of Temperature.				Sun.			
					1871-1900.		1871-1914.		Rises. Noon. Sets.			
N.	Sun. hrs.	Rain. in. mm.		°F.		°A.		G.M.T.				
0	4.6	0.70	18	K. 68.5	30.5	293	272	5 33	12 4	18 36		
E.				A. 57.2	29.1	89	71	5 34	- 12	18 50		
				E. —	—	84	70	5 40	- 16	18 52		
	1	4.7	0.43	11	F. 59.3	33.0	88	73	5 53	- 23	18 53	
	2	5.0	0.35	9	V. 63.2	34.1	90	74	6 13	- 44	19 16	
	3	5.1	0.35	9								
W.	4	4.7	0.40	10								
	5	5.1	0.33	8	K. 68.7	30.3	293	270	5 31	12 4	18 38	
				A. 60.6	28.7	89	71	5 31	- 11	18 52		
	6	5.1	0.62	16	E. —	—	84	70	5 38	- 16	18 54	
	7	4.7	0.47	12	F. 56.2	31.7	86	72	5 51	- 23	18 55	
S.	8	5.3	0.50	13	V. 61.2	34.2	89	74	6 11	- 44	19 17	
	9	4.8	0.53	13								
	10	5.3	0.57	14								
					K. 65.0	28.3	291	271	5 28	12 4	18 40	
	11	6.2	0.42	11	A. 59.5	27.3	88	70	5 28	- 11	18 54	
				E. —	—	85	71	5 35	- 15	18 56		
				F. 61.6	32.2	89	71	5 50	- 23	18 57		
				V. 60.8	36.1	89	72	6 8	- 44	19 19		
				K. 64.4	28.6	291	271	5 26	12 3	18 41		
				A. 59.3	32.6	88	71	5 26	- 11	18 57		
				E. —	—	82	75	5 33	- 15	18 58		
				F. 59.6	33.3	88	73	5 48	- 23	18 58		
				V. 62.4	35.0	90	75	6 5	- 43	19 21		
N.	Mean Temperature.											
0	°F.	°A.		K. 70.4	31.5	294	273	5 24	12 3	18 42		
E.	41.9	279		A. 61.4	28.4	89	71	5 23	- 10	18 59		
				E. —	—	85	72	5 30	- 15	19 0		
	1	42.3	279	F. 57.4	31.7	88	73	5 45	- 22	18 59		
	2	43.4	279	V. 65.5	35.2	92	75	6 2	- 43	19 23		
	3	44.6	280									
W.	4	44.6	280	K. 63.2	30.8	293	271	5 22	12 3	18 44		
	5	46.0	281	A. 60.1	30.6	89	72	5 20	- 10	19 1		
				E. —	—	84	72	5 27	- 14	19 2		
	6	43.7	280	F. 58.0	29.6	87	72	5 43	- 22	19 1		
	7	44.6	280	V. 64.4	35.6	91	73	6 0	- 43	19 25		
S.	8	46.0	281									
	9	44.9	280									
	10	46.3	281	K. 68.6	31.3	293	273	5 19	12 2	18 45		
				A. 58.4	30.1	89	72	5 17	- 10	19 3		
	11	48.2	282	E. —	—	81	68	5 25	- 14	19 4		
				F. 57.8	36.0	89	75	5 41	- 22	19 3		
				V. 67.0	35.7	92	74	5 58	- 42	19 26		

4TH APRIL TO 10TH APRIL, 1915.	
Historical Notes.	Diary.
SUNDAY, 4th APRIL. Easter Day. 1114. River Thames, in London, so dry that children waded over between the bridges and the town.—(LOWE.)	94. W.W.R. stations. Post Day.
MONDAY, 5th APRIL. 25th March, Old Style, Lady Day and New Year's Day, 1700 to 1750.	*95. M.O.—Press closed. Anemo. stations. Post Day. Baro. stations. Post Day. Climatological stations. Schedule day. Obs.—Send curves and tabulations to complete month.
TUESDAY, 6th APRIL. <i>C 20h. 12m</i>	96. D.W.R. Nos. 95 and 96 issued.
WEDNESDAY, 7th APRIL. James Glaisher, b. 1809 [d. 7th Feb., 1903].	*97. D.W.R. Nos. 94 and 97 issued.
THURSDAY, 8th APRIL.	98. Obs.—Met. work despatch day. D.W.R. Nos. 92 and 98 issued.
FRIDAY, 9th APRIL.	*99. H.D.I.
SATURDAY, 10th APRIL.	100. Obs.—Close Journal, 18.

SEVENTH WEEK OF SPRING.				YEAR XXXVIII.				WEEK No. 15.				
		Normals, 1881-1905, for Districts.		Notes for Observatories.*								
Dist.	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.				
				1871-1900.		1871-1914.		Rises.	Noon.	Sets.		
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.				
0	4.7	0.63	16	K.	70.0	28.3	294	271	h. m.	h. m.	h. m.	
E.				A.	57.0	31.6	88	72	5 17	12 2	18 47	
				E.	—	—	82	68	5 15	— 10	19 5	
	1	4.8	0.43	11	F.	58.4	33.3	89	74	5 23	— 14	19 6
	2	4.9	0.36	9	V.	64.4	33.3	91	74	5 38	— 21	19 4
	3	5.2	0.36	9					5 56	— 42	19 28	
W.	4	4.8	0.40	10								
	5	5.3	0.40	10								
				K.	66.0	28.9	295	271	5 15	12 2	18 49	
				A.	59.3	29.3	88	72	5 12	— 9	19 7	
				E.	—	—	85	65	5 21	— 14	19 8	
	6	5.1	0.61	15	F.	57.2	32.7	87	73	5 36	— 21	19 6
	7	5.1	0.45	11	V.	58.9	34.2	88	73	5 54	— 42	19 30
	8	5.5	0.54	14								
	9	4.8	0.53	13								
	10	5.2	0.60	15								
S.				K.	66.8	31.9	292	272	5 13	12 2	18 51	
				A.	54.0	26.6	90	70	5 9	— 9	19 9	
				E.	—	—	86	72	5 18	— 13	19 9	
	11	6.4	0.47	12	F.	56.1	32.7	87	73	5 34	— 21	19 8
				V.	59.6	32.1	88	73	5 52	— 42	19 32	
				K.	66.4	30.0	292	272	5 10	12 1	18 52	
				A.	60.2	28.2	89	71	5 7	— 9	19 12	
				E.	—	—	87	72	5 15	— 13	19 11	
				F.	56.9	33.4	87	74	5 32	— 21	19 10	
				V.	59.9	31.7	89	73	5 49	— 41	19 34	
N.	Mean Temperature.				°F.	°A.						
	0	43.3	279	K.	71.3	27.9	295	271	5 8	12 1	18 54	
				A.	60.1	25.7	89	70	5 4	— 9	19 14	
				E.	—	—	87	70	5 13	— 13	19 13	
	1	43.7	280	F.	58.8	32.0	88	73	5 30	— 20	19 11	
E.	2	44.5	280	V.	59.7	31.7	88	73	5 47	— 41	19 35	
	3	45.8	281									
	4	45.8	281	K.	72.8	33.2	296	272	5 6	12 1	18 56	
	5	47.0	281	A.	61.6	22.7	89	68	5 1	— 8	19 16	
				E.	—	—	89	70	5 10	— 13	19 15	
W.	6	45.1	280	F.	57.8	31.6	87	73	5 28	— 20	19 12	
	7	45.8	281	V.	61.2	32.3	89	73	5 45	— 41	19 37	
	8	46.9	281									
	9	45.9	281									
	10	47.3	282									
S.				K.	65.3	27.4	292	270	5 4	12 1	18 53	
				A.	62.6	28.9	90	71	4 58	— 8	19 17	
				E.	—	—	90	72	5 7	— 12	19 18	
	11	48.9	282	F.	60.4	32.0	89	73	5 26	— 20	19 14	
				V.	61.3	33.7	89	74	5 43	— 41	19 39	

11TH APRIL TO 17TH APRIL, 1915.	
Historical Notes.	Diary.
SUNDAY, 11th APRIL. Alexander Buchan b. 1829, [d. 13 May, 1907].	*101. W.W.R. stations. Post Day.
MONDAY, 12th APRIL.	102. Anemo. stations. Post Day. Baro. stations. Post Day. Sunshine stations. Summer Cards to be used from to-day until 31st Aug.
TUESDAY, 13th APRIL.	*103. <i>Advisory Committee for Aeronautics</i>
WEDNESDAY, 14th APRIL. ● 11h. 36m <i>3. read Blyth & Tyne side</i> <i>2. my me</i>	104.
THURSDAY, 15th APRIL. 1912. S.S. "Titanic" sunk by iceberg in Atlantic, 41° 16' N., 50° 14' W.	*105. Obs.—Met. work despatch day.
FRIDAY, 16th APRIL. John Hadley b. 1682, [d. 15 Feb., 1744]. <i>3. read Lower left of French</i> <i>+ Bury N.S. wind. No work</i>	106. S.
SATURDAY, 17th APRIL.	*107. Obs.—Close Journal, 19.

EIGHTH WEEK OF SPRING.				YEAR XXXVIII.				WEEK No. 16.							
Dist.		Normals, 1881-1905, for Districts.			Notes for Observatories.*										
					Extremes of Temperature				Sun.						
		Daily Sunshine and Weekly Rainfall.			1871-1900.		1871-1914.		Rises.		Noon.		Sets.		
Sun. hrs. Rain. in. mm.					°F.		°A.		h. m.		h. m.		h. m.		
N.	0	4.7	0.65	17	K.	68.3	30.1	293	272	5	2	12	0	18	59
E.					A.	60.1	29.3	89	72	4	56	-	8	19	20
	1	5.0	0.46	12	E.	—	—	90	72	5	5	-	12	19	19
	2	5.2	0.37	9	F.	59.5	34.2	88	74	5	24	-	20	19	16
	3	5.6	0.39	10	V.	63.0	32.6	90	73	5	41	-	40	19	40
	4	5.1	0.44	11											
W.	5	5.7	0.46	12											
					K.	73.7	30.5	296	272	5	0	12	0	19	0
	6	5.2	0.67	17	A.	66.0	30.3	92	72	4	54	-	8	19	23
	7	5.2	0.50	13	E.	—	—	90	71	5	3	-	12	19	22
	8	5.7	0.62	16	F.	62.8	33.2	90	74	5	22	-	19	19	17
	9	4.9	0.58	15	V.	65.8	33.7	92	73	5	39	-	40	19	41
S.	10	5.4	0.67	17											
					K.	80.3	29.6	300	272	4	58	12	0	19	2
	11	6.7	0.52	13	A.	69.7	30.9	294	72	4	51	-	7	19	25
					E.	—	—	91	72	5	1	-	12	19	24
					F.	66.6	36.8	92	76	5	20	-	19	19	19
					V.	66.1	35.3	92	75	5	37	-	40	19	42
					K.	75.0	29.9	297	272	4	56	12	0	19	4
					A.	62.0	30.4	93	72	4	48	-	7	19	27
					E.	—	—	92	72	4	59	-	12	19	26
					F.	62.6	34.4	91	74	5	18	-	19	19	20
					V.	66.8	35.8	92	75	5	35	-	40	19	44
N.	0	Mean Temperature.			K.	71.9	31.8	295	273	4	53	12	0	19	6
E.		44.7	280		A.	60.0	29.6	91	71	4	46	-	7	19	29
	1	45.1	280		E.	—	—	92	72	4	56	-	11	19	28
	2	45.9	281		F.	62.1	37.7	92	76	5	16	-	19	19	22
	3	47.2	281		V.	66.1	34.9	92	75	5	33	-	40	19	46
	4	47.3	282												
W.	5	48.4	282												
					K.	76.3	28.1	298	271	4	51	11	59	19	7
	6	46.6	281		A.	61.0	31.1	89	69	4	43	12	7	19	31
	7	47.1	281		E.	—	—	91	76	4	53	-	11	19	30
	8	48.1	282		F.	61.1	37.3	89	76	5	14	-	19	19	24
	9	47.0	281		V.	62.2	38.0	91	76	5	31	-	39	19	48
S.	10	48.4	282												
					K.	75.4	29.6	297	272	4	49	11	59	19	8
	11	49.9	283		A.	59.0	32.0	88	67	4	41	12	7	19	33
					E.	—	—	90	76	4	51	-	11	19	32
					F.	65.7	35.1	92	73	5	12	-	18	19	25
				V.	62.5	35.5	91	74	5	29	-	39	19	50	

18TH APRIL TO 24TH APRIL, 1915.	
Historical Notes.	Diary.
SUNDAY, 18th APRIL.	108. W.W.R. stations. Post Day.
MONDAY, 19th APRIL.	*109. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 20th APRIL.	110.
WEDNESDAY, 21st APRIL.	*111. <i>Meteorological Committee.</i> <i>Reports & Accounts</i>
THURSDAY, 22nd APRIL. D 15h. 39m	112. Obs.—Met. work despatch day.
FRIDAY, 23rd APRIL. St. George. Thomas Robinson b. 1792 [d. 28 Feb. 1882].	*113. H.D.I.
SATURDAY, 24th APRIL.	114. Obs.—Close Journal, 20.

NINTH WEEK OF SPRING.				YEAR XXXVIII.				WEEK No. 17.			
Normals, 1881-1905, for Districts.				Notes for Observatories.*							
Dist.	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.			
				1871-1900.		1871-1914.		Rises.	Noon.	Sets.	
N.	Sun. hrs.	Rain. in. mm.		°F.		°A.		G.M.T.			
0	4.9	0.68	17	K. 73.9	30.2	297	272	h. m.	h. m.	h. m.	
E.				A. 60.4	32.3	89	72	4 47	11 59	19 10	
				E. —	—	89	73	4 38	12 6	19 35	
	1	5.3	0.47	F. 68.0	37.6	89	73	4 49	— 11	19 34	
	2	5.8	0.41	V. 67.0	34.9	93	73	5 10	— 18	19 26	
	3	6.2	0.39			92	73	5 27	— 39	19 52	
W.	4	5.6	0.42								
	5	6.2	0.39								
				K. 71.0	30.0	295	272	4 45	11 59	19 12	
				A. 58.3	33.6	91	74	4 35	12 6	19 37	
	6	5.6	0.67	E. —	—	87	73	4 46	— 11	19 36	
S.	7	5.7	0.51	F. 67.0	35.0	92	75	5 8	— 18	19 28	
	8	6.3	0.54	V. 66.4	35.6	92	75	5 25	— 39	19 54	
	9	5.3	0.59								
	10	5.8	0.62								
				K. 74.0	31.3	296	273	4 43	11 59	19 14	
S.				A. 60.0	32.0	89	73	4 33	12 6	19 40	
	11	7.6	0.45	E. —	—	89	71	4 43	— 10	19 37	
				F. 63.0	36.8	90	76	5 7	— 18	19 30	
				V. 65.2	36.3	91	75	5 22	— 39	19 56	
				K. 66.9	34.3	292	273	4 41	11 58	19 15	
				A. 58.6	30.6	88	72	4 31	12 6	19 42	
				E. —	—	91	71	4 41	— 10	19 39	
				F. 60.6	35.2	90	75	5 5	— 18	19 31	
				V. 66.6	36.3	92	75	5 20	— 38	19 57	
N.	Mean Temperature.			°F.		°A.					
0		45.7	281	K. 63.8	30.5	293	272	4 39	11 58	19 17	
E.				A. 63.0	32.4	90	73	4 29	12 6	19 44	
				E. —	—	89	74	4 39	— 10	19 41	
	1	46.1	281	F. 59.0	37.0	91	75	5 3	— 17	19 32	
	2	46.8	281	V. 62.0	37.6	90	76	5 18	— 38	19 58	
	3	48.4	282								
W.	4	48.3	282								
	5	49.6	283								
				K. 68.6	31.9	293	273	4 37	11 58	19 19	
				A. 58.1	33.5	88	72	4 26	12 6	19 46	
	6	47.4	282	E. —	—	86	73	4 37	— 10	19 43	
S.	7	48.0	282	F. 59.9	36.8	89	76	5 1	— 17	19 34	
	8	49.0	282	V. 62.0	33.7	90	74	5 16	— 38	20 0	
	9	47.9	282								
	10	49.4	283								
S.				K. 67.8	30.9	296	272	4 35	11 58	19 21	
	11	50.7	283	A. 59.4	32.1	88	73	4 23	12 5	19 48	
				E. —	—	84	71	4 35	— 10	19 45	
				F. 59.3	36.9	88	76	4 59	— 17	19 36	
				V. 62.3	38.6	90	76	5 13	— 38	20 2	

25TH APRIL TO 1ST MAY, 1915.	
Historical Notes.	Diary.
SUNDAY, 25th APRIL. St. Mark. William Reid b. 1791, [d. 31 Oct. 1858]. 1908. Great Snowfalls, Midlands and South.— (M.W.R.)	*115. W.W.R. stations. Post Day.
MONDAY, 26th APRIL. 1908. Great Snowfalls, Midlands and South.— (M.W.R.)	116. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 27th APRIL.	*117.
WEDNESDAY, 28th APRIL.	118. M.O.—W.W.R. App. I. Copy day.
THURSDAY, 29th APRIL. O 14h. 19m	*119. Obs.—Met. work despatch day.
FRIDAY, 30th APRIL. Karl Friedrich Gauss b. 1777, [d. 23 Feb., 1855].	120. Obs.—Close Journal, 21. M.O.—Geophysical Journal, February Copy day.
SATURDAY, 1st MAY. St. Philip and St. James. 1914. Millibars used for pressure and millimetres for rainfall in the Daily Weather Report.	*121. Obs.—Close Journal, 22.

TENTH WEEK OF SPRING.				YEAR XXXVIII.				WEEK No. 18.							
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*											
		Daily Sunshine and Weekly Rainfall.		Extremes of Temperature.				Sun.							
				1871-1900.		1871-1914.		Rises.		Noon.		Sets.			
N.	0	Sun. hrs.	Rain. in. mm.	K.	°F.		°A.	G.M.T.							
		5·4	0·66	17	68·6	32·2	297	273	4	33	11	58	19	23	
E.					63·0	31·2	90	73	4	21	12	5	19	50	
	1	5·8	0·47	12	—	—	85	73	4	33	—	10	19	47	
	2	6·3	0·42	11	60·2	37·0	90	76	4	57	—	17	19	37	
	3	6·5	0·39	10	60·0	36·0	89	75	5	11	—	38	20	4	
	4	6·0	0·41	10											
	5	6·7	0·34	9	K.	69·3	32·0	294	273	4	31	11	58	19	25
W.					A.	59·2	29·5	88	72	4	19	12	5	19	52
	6	6·1	0·65	17	E.	—	—	85	73	4	31	—	10	19	49
	7	6·3	0·49	12	F.	63·0	39·0	90	77	4	56	—	17	19	39
	8	6·7	0·46	12	V.	61·8	36·4	90	75	5	10	—	38	20	6
	9	5·9	0·55	14											
	10	6·4	0·53	13	K.	73·0	30·9	296	272	4	30	11	58	19	26
S.					A.	64·2	31·3	91	73	4	16	12	5	19	54
	11	8·2	0·35	9	E.	—	—	85	76	4	29	—	10	19	51
					F.	59·9	39·0	89	77	4	54	—	17	19	40
					V.	61·8	37·4	90	76	5	8	—	38	20	8
					K.	73·4	30·0	296	272	4	28	11	58	19	28
					A.	63·4	30·1	90	72	4	14	12	5	19	56
					E.	—	—	86	74	4	27	—	9	19	53
					F.	61·7	36·4	90	75	4	52	—	17	19	42
					V.	67·4	37·2	93	76	5	6	—	38	20	9
		Mean Temperature.													
N.	0	°F.	A°.	K.	71·9	32·3	295	273	4	26	11	58	19	29	
		46·6	281	A.	62·4	31·6	90	72	4	12	12	5	19	58	
E.				E.	—	—	86	70	4	24	—	9	19	55	
	1	47·0	281	F.	64·5	37·0	91	76	4	50	—	17	19	43	
	2	47·7	282	V.	65·8	37·2	92	76	5	5	—	38	20	10	
	3	49·5	283												
	4	49·4	283	K.	71·9	31·2	295	273	4	24	11	57	19	30	
	5	50·8	283	A.	67·4	31·7	93	72	4	10	12	5	20	1	
W.				E.	—	—	86	76	4	22	—	9	19	57	
	6	48·5	282	F.	61·4	39·4	89	77	4	49	—	17	19	45	
	7	49·1	283	V.	67·7	36·7	93	76	5	3	—	37	20	11	
	8	50·2	283												
	9	49·0	282												
	10	50·5	283	K.	71·9	33·4	296	274	4	23	11	57	19	31	
S.				A.	64·7	34·2	91	74	4	8	12	5	20	3	
	11	51·8	284	E.	—	—	87	77	4	20	—	9	19	58	
				F.	61·5	36·3	90	75	4	48	—	17	19	47	
				V.	71·7	36·8	95	76	5	1	—	37	20	12	

2ND MAY TO 8TH MAY, 1915.	
Week of International Balloon Ascents. Historical Notes.	Diary.
SUNDAY, 2nd MAY.	122. W.W.R. stations. Post Day.
MONDAY, 3rd MAY. 1698. A great deep snow all over England.— (LOWE.)	*123. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 4th MAY. 1697. Thunderstorm at Hitchin, with hailstones 13 or 14 ins. about. 100,000 cartloads of hail- stones.—(LOWE.)	124. Climatological stations. Schedule day.
WEDNESDAY, 5th MAY.	*125. Observatories send curves and tabulations to complete month.
THURSDAY, 6th MAY. <i>C 5h. 23m</i>	126. Balloon Day. Obs.—Met. work despatch day.
FRIDAY, 7th MAY.	*127. H.D.I.
SATURDAY, 8th MAY. 1902. Mont Pelée eruption.	128. Obs.—Close Journal, 23.

TWELFTH WEEK OF SPRING.				YEAR XXXVIII.				WEEK No. 20.			
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*							
		Daily Sunshine and Weekly Rainfall.		Extremes of Temperature.				Sun.			
				1871-1900.		1871-1914.		Rises. Noon. Sets.			
N.	0	Sun. hrs.	Rain. in. mm.	K.	°F.		°A.		h. m.	h. m.	h. m.
E.	1	6.2	0.51 13	A.	71.5 35.6		295 275		4 10	11 57	19 44
	2	6.4	0.40 10	E.	62.8 31.3		90 73		3 51	12 5	20 19
	3	6.9	0.44 11	F.	— —		90 71		4 5	— 9	20 13
	4	6.1	0.52 13	V.	66.1 37.7		92 76		4 35	— 16	19 58
	5	6.9	0.44 11		66.6 41.6		93 78		4 46	— 37	20 27
W.	6	6.6	0.64 16	K.	71.8 32.2		296 273		4 8	11 57	19 46
	7	6.7	0.52 13	A.	69.4 30.4		94 72		3 49	12 5	20 21
	8	6.8	0.50 13	E.	— —		92 75		4 3	— 9	20 15
	9	6.4	0.54 14	F.	66.0 36.8		93 76		4 34	— 16	19 59
	10	6.8	0.57 14	V.	68.0 39.3		94 77		4 45	— 37	20 28
S.	11	8.0	0.49 12	K.	73.7 35.2		296 274		4 7	11 57	19 47
				A.	57.9 34.1		95 74		3 47	12 5	20 23
				E.	— —		92 75		4 2	— 9	20 17
				F.	69.9 37.7		95 76		4 33	— 17	20 1
				V.	71.3 38.6		95 75		4 45	— 37	20 28
				K.	73.8 34.3		296 274		4 6	11 57	19 48
				A.	65.2 32.6		91 73		3 45	12 5	20 25
				E.	— —		89 73		4 0	— 9	20 19
				F.	63.0 37.5		95 76		4 32	— 17	20 3
				V.	70.3 38.5		94 77		4 44	— 37	20 29
N.	0	Mean Temperature.		K.	69.3 32.5		297 273		4 5	11 57	19 49
		°F. 48.7	°A. 282	A.	63.1 33.1		91 74		3 44	12 5	20 27
				E.	— —		87 72		3 58	— 9	20 20
				F.	63.1 38.5		95 77		4 31	— 17	20 4
				V.	65.8 37.7		92 76		4 43	— 37	20 30
E.	1	49.6	283	K.	73.5 33.8		300 274		4 3	11 57	19 51
	2	50.7	283	A.	62.2 33.0		291 74		3 42	12 5	20 29
	3	52.7	285	E.	— —		90 72		3 56	— 9	20 22
	4	52.6	284	F.	64.7 37.2		94 76		4 29	— 17	20 5
	5	54.0	285	V.	66.8 34.9		93 75		4 41	— 37	20 32
W.	6	51.2	284	K.	76.2 34.2		299 274		4 2	11 57	19 52
	7	52.1	284	A.	69.7 32.9		94 74		3 40	12 5	20 31
	8	53.1	285	E.	— —		88 74		3 55	— 9	20 24
	9	51.6	284	F.	63.6 38.4		91 77		4 28	— 17	20 7
	10	53.0	285	V.	68.8 38.6		95 77		4 40	— 37	20 34
S.	11	54.3	285								

16TH MAY TO 22ND MAY, 1915.	
Historical Notes.	Diary.
SUNDAY, 16th MAY.	W.W.R. stations. 136. Post Day.
MONDAY, 17th MAY. 1906. Valparaiso earthquake.	Anemo. stations. *137. Post Day. Baro. stations. Post Day.
TUESDAY, 18th MAY. 1888. Thunderstorms over England and Scotland. Hail size of pigeon's egg, Glasgow. (Q.J.) 1906. San Francisco earthquake.	138.
WEDNESDAY, 19th MAY. St. Dunstan. 1888. Thunderstorms over England and Scotland. (Q.J.)	*139.
THURSDAY, 20th MAY.	140. Obs.--Met. work despatch day.
FRIDAY, 21st MAY.	*141. H.D.I.
SATURDAY, 22nd MAY. D 42.50m	142. Obs.—Close Journal, 25.

THIRTEENTH WEEK OF SPRING.				YEAR XXXVIII.				WEEK No. 21.			
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*							
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.			
				1871-1900.		1871-1914.		Rises. Noon. Sets.			
N.	Sun. hrs.	Rain. in. mm.	°F.		°A.		G.M.T.				
0	5.6	0.56	14	K. 77.2	38.3	298	275	4 1	11 57	19 54	
E.				A. 67.2	34.3	96	74	3 38	12 5	20 33	
				E. —	—	86	75	3 53	— 9	20 25	
	1	6.2	0.48	F. 66.5	40.1	92	78	4 27	— 17	20 8	
	2	6.3	0.43	V. 73.0	41.7	96	77	4 39	— 37	20 36	
	3	7.0	0.46								
4	6.2	0.50	13								
5	7.0	0.46	12								
W.				K. 77.9	41.0	299	277	4 0	11 58	19 56	
				A. 70.0	35.6	94	75	3 36	12 5	20 34	
				E. —	—	89	72	3 52	— 9	20 27	
	6	6.6	0.61	F. 64.2	42.2	95	78	4 25	— 17	20 9	
	7	6.8	0.50	V. 73.0	40.6	96	78	4 38	— 38	20 38	
8	6.9	0.48	12								
9	6.3	0.55	14								
10	6.7	0.59	15								
S.				K. 75.2	38.9	299	277	3 59	11 58	19 57	
				A. 62.6	34.7	93	73	3 35	12 5	20 36	
				E. —	—	89	73	3 51	— 10	20 29	
				F. 67.1	44.1	93	79	4 24	— 17	20 10	
				V. 70.9	42.1	95	77	4 37	— 38	20 39	
11	8.1	0.50	13								
				K. 81.0	37.1	300	276	3 57	11 58	19 59	
				A. 65.0	35.0	293	75	3 33	12 5	20 37	
				E. —	—	92	72	3 50	— 10	20 31	
				F. 65.1	41.8	92	78	4 23	— 17	20 11	
				V. 68.1	40.8	94	78	4 36	— 38	20 40	
N.	Mean Temperature.			K. 71.8	36.3	298	275	3 56	11 58	20 0	
		°F.	°A.	A. 66.1	33.4	94	73	3 31	12 5	20 39	
		50.2	283	E. —	—	93	74	3 48	— 10	20 32	
				F. 65.3	39.9	95	77	4 22	— 17	20 13	
				V. 71.5	39.6	95	77	4 35	— 38	20 41	
E.											
1	51.2	284									
2	52.4	284									
3	54.5	286									
4	54.4	285									
5	55.6	286									
W.				K. 77.9	37.7	299	276	3 55	11 58	20 1	
				A. 70.9	31.6	95	73	3 30	12 5	20 41	
				E. —	—	95	77	3 47	— 10	20 34	
	6	52.7	285	F. 67.2	40.5	94	78	4 21	— 17	20 14	
	7	53.7	285	V. 68.5	41.2	96	78	4 34	— 38	20 42	
8	54.7	286									
9	53.0	285									
10	54.4	285									
S.				K. 76.7	38.2	300	276	3 54	11 58	20 2	
				A. 68.6	32.4	293	73	3 29	12 6	20 43	
				E. —	—	95	79	3 46	— 10	20 35	
				F. 68.5	43.1	95	79	4 20	— 17	20 15	
				V. 72.9	41.7	96	78	4 33	— 38	20 43	
11	55.6	286									

23RD MAY TO 29TH MAY, 1915.	
Historical Notes.	Diary.
1914. Severe night frosts in the Midland Counties of England M.W.R.	
SUNDAY, 23rd MAY. Whitsun Day.	*143. W.W.R. stations. Post Day.
MONDAY, 24th MAY. William Gilbert of Colchester b., 1545 [d. 30 Nov. 1603].	144. M.O.—Press closed. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 25th MAY. St. Urban.	*145. D.W.R. Nos. 144 and 145 issued.
WEDNESDAY, 26th MAY.	146. D.W.R. Nos. 143 and 146 issued.
THURSDAY, 27th MAY.	*147. Obs.—Met. work despatch day.
FRIDAY, 28th MAY. O 21h. 33m	148.
SATURDAY, 29th MAY. 1914. S.S. "Empress of Ireland" sunk in St. Lawrence River.	*149. Obs.—Close Journal, 26.

FIRST WEEK OF SUMMER.				YEAR XXXVIII.				WEEK No. 22.				
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*								
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.				
				1871-1900.		1871-1914.		Rises.		Noon.		Sets.
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.				
0	5.7	0.56	14	K. 83.7	38.0	302	276	3 53	11 58	20 3		
E.				A. 68.2	37.3	293	76	3 28	12 6	20 44		
				E. —	—	95	77	3 44	— 10	20 36		
	1	6.1	0.45	11	F. 70.2	43.0	94	79	4 19	— 17	20 16	
	2	6.2	0.44	11	V. 72.8	41.6	96	78	4 32	— 38	20 44	
	3	6.8	0.53	13								
	4	6.2	0.48	12								
W.	5	6.9	0.50	13								
				K. 80.7	39.3	300	277	3 52	11 58	20 4		
				A. 68.6	33.1	293	74	3 27	12 6	20 46		
				E. —	—	93	77	3 43	— 10	20 37		
	6	6.7	0.58	15	F. 66.0	44.3	93	80	4 19	— 18	20 18	
	7	6.9	0.44	11	V. 70.0	40.3	94	78	4 30	— 38	20 45	
S.	8	7.0	0.50	13								
	9	6.0	0.56	14								
	10	6.5	0.55	14								
				K. 78.1	38.0	299	276	3 52	11 59	20 6		
				A. 72.2	37.4	95	76	3 25	12 6	20 47		
				E. —	—	97	72	3 42	— 10	20 39		
	11	8.0	0.44	11	F. 74.3	43.1	97	79	4 18	— 18	20 19	
				V. 71.7	41.0	95	77	4 29	— 39	20 47		
				K. 82.0	40.9	301	278	3 51	11 59	20 7		
				A. 74.2	35.9	296	75	3 24	12 6	20 48		
				E. —	—	95	74	3 41	— 10	20 40		
				F. 73.2	45.4	96	80	4 17	— 18	20 19		
				V. 74.3	41.9	97	79	4 28	— 39	20 49		
				K. 80.8	39.8	300	277	3 50	11 59	20 8		
	N.			A. 66.4	36.0	296	75	3 23	12 6	20 49		
	0	51.3	284	E. —	—	94	74	3 41	— 11	20 42		
	E.				F. 69.1	45.0	94	80	4 16	— 18	20 20	
		1	52.5	284	V. 70.9	44.8	95	77	4 27	— 39	20 51	
2		53.5	285									
3		55.4	286									
4		55.5	286									
W.	5	56.5	287									
				K. 79.9	39.2	300	277	3 49	11 59	20 9		
				A. 70.9	37.9	295	76	3 22	12 6	20 51		
				E. —	—	96	75	3 40	— 11	20 43		
	6	54.1	285	F. 69.4	45.6	94	79	4 16	— 18	20 21		
	7	54.8	286	V. 71.6	44.6	95	76	4 26	— 39	20 52		
S.	8	55.8	286									
	9	54.1	285									
	10	55.5	286									
				K. 80.6	37.4	300	276	3 48	11 59	20 10		
				A. 70.4	36.0	294	75	3 21	12 7	20 53		
				E. —	—	94	82	3 39	— 11	20 44		
	11	56.6	287	F. 69.3	43.4	95	79	4 15	— 18	20 22		
				V. 69.9	44.9	94	80	4 25	— 39	20 53		

30TH MAY TO 5TH JUNE, 1915.	
Historical Notes.	Diary.
	Upper Air—short series.
SUNDAY, 30th MAY.	150. W.W.R. stations. Post Day.
MONDAY, 31st MAY. 1905. First meeting of the Meteorological Committee. 1911. Thunderstorm at Epsom, 2.44 in. (62 mm.) rain in 50 m. (W.W.R.) 1913. British Aeroplane altitude record, 11,300 ft. ("Times.")	*151. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Geophysical Journal, March Copy day. Obs.—Close Journal, 27.
TUESDAY, 1st JUNE. 1908. Thunder squall at Bushy, rain estimated at .275 in. (7 mm.) in two minutes.	152. M.O.—Observer's Handbook. Copy day.
WEDNESDAY, 2nd JUNE.	*153. Balloon Day.
THURSDAY, 3rd JUNE.	154. Balloon Day. Obs.—Met. work despatch day.
FRIDAY, 4th JUNE. (16h 32m) 3rd & 4th E. W. W. R. stations. no carnations	*155. Balloon Day. Climatological stations. Schedule day.
SATURDAY, 5th JUNE.	156. Obs.—Close Journal, 28. Send curves and Tabulations to complete month.

SECOND WEEK OF SUMMER.				YEAR XXXVIII.				WEEK No. 23.				
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*								
				Extremes of Temperature.				Sun.				
		Daily Sunshine and Weekly Rainfall.		1871-1900.		1871-1914.		Rises.		Noon.		Sets.
N.	Sun. hrs.	Rain. in.	mm.	K.	°F.	°A.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
0	5.4	0.62	16	K.	79.2 41.4	299 278	3 48	11 59	20 11			
E.				A.	67.7 32.2	93 73	3 20	12 7	20 54			
1	5.9	0.50	13	E.	— —	93 77	3 38	— 11	20 45			
2	6.2	0.41	10	F.	75.6 45.0	97 80	4 15	— 19	20 23			
3	6.5	0.53	13	V.	72.3 44.5	95 80	4 25	— 39	20 54			
4	6.0	0.46	12									
5	6.7	0.47	12									
W.				K.	75.5 42.6	297 278	3 48	11 59	20 12			
6	6.5	0.64	16	A.	72.2 36.8	96 76	3 19	12 7	20 55			
7	6.7	0.47	12	E.	— —	99 77	3 37	— 11	20 46			
8	6.9	0.54	14	F.	73.6 45.0	96 80	4 14	— 19	20 24			
9	5.8	0.60	15	V.	76.9 43.9	98 80	4 24	— 39	20 55			
10	6.5	0.56	14									
S.				K.	76.8 42.0	298 278	3 47	12 0	20 13			
11	8.0	0.41	10	A.	71.7 35.4	95 75	3 18	— 7	20 56			
				E.	— —	98 77	3 37	— 12	20 47			
				F.	72.5 43.7	96 79	4 13	— 19	20 25			
				V.	77.4 44.9	98 80	4 24	— 40	20 56			
				K.	79.1 38.5	299 277	3 47	12 0	20 13			
				A.	67.0 35.0	92 75	3 17	— 7	20 57			
				E.	— —	90 75	3 36	— 12	20 48			
				F.	69.4 43.0	96 79	4 13	— 19	20 26			
				V.	73.9 42.3	96 79	4 24	— 40	20 57			
N.	Mean Temperature.			K.	80.7 41.6	300 278	3 46	12 0	20 14			
0	52.2	284		A.	67.2 32.0	293 73	3 17	— 8	20 59			
E.				E.	— —	90 75	3 35	— 12	20 49			
1	53.5	285		F.	67.3 46.4	93 81	4 13	— 19	20 27			
2	54.4	285		V.	73.3 42.5	96 79	4 23	— 40	20 57			
3	56.1	286										
4	56.2	286		K.	86.5 40.2	303 278	3 46	12 0	20 15			
5	57.2	287		A.	70.1 41.3	294 75	3 16	— 8	21 0			
W.				E.	— —	89 75	3 35	— 12	20 50			
6	55.0	286		F.	70.2 46.1	94 79	4 12	— 20	20 28			
7	55.7	286		V.	76.2 44.6	98 80	4 23	— 40	20 58			
8	56.5	287										
9	54.9	286		K.	81.7 42.5	301 279	3 46	12 0	20 15			
10	56.3	287		A.	74.2 38.5	296 77	3 16	— 8	21 0			
S.				E.	— —	90 74	3 34	— 12	20 51			
11	57.4	287		F.	69.2 47.0	94 81	4 12	— 20	20 28			
				V.	70.0 45.3	94 79	4 23	— 40	20 58			

6TH JUNE TO 12TH JUNE, 1915.	
Historical Notes.	Diary.
SUNDAY, 6th JUNE. Robert Falcon Scott b. 1868, [d. 29th March, 1912]. 1912. Eruption of Katmai, Alaska.	*157. W.W.R. stations. Post Day.
MONDAY, 7th JUNE.	158. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 8th JUNE. St Medard.	*159. <i>Advisory Committee for Aeronautics</i>
WEDNESDAY, 9th JUNE.	160.
THURSDAY, 10th JUNE.	*161. Obs.—Met. work despatch day.
FRIDAY, 11th JUNE. St. Barnabas.	162. H.D.I.
SATURDAY, 12th JUNE. ● 1st. 57m	*163. Obs.—Close Journal, 29.

THIRD WEEK OF SUMMER.				YEAR XXXVIII.				WEEK No. 24.			
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*							
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.			
				1871-1900.		1871-1914.		Rises.	Noon.	Sets.	
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.			
0	4.9	0.69	18	K.	81.1 39.4	300	277	h. m.	h. m.	h. m.	
E.				A.	70.6 38.5	294	75	3 46	12 1	20 16	
				E.	— —	94	74	3 15	— 8	21 1	
	1	6.0	0.54	14	F.	71.1 44.8	96	80	3 34	— 13	20 52
	2	6.2	0.42	11	V.	70.2 43.7	94	80	4 12	— 20	20 29
	3	6.8	0.43	11					4 23	— 41	20 59
W.	4	6.1	0.48	12							
	5	7.0	0.40	10							
					K.	79.7 41.9	300	279	3 45	12 1	20 17
	6	6.2	0.72	18	A.	68.0 37.0	293	76	3 15	— 8	21 2
	7	6.3	0.58	15	E.	— —	94	76	3 33	— 13	20 53
S.	8	6.8	0.54	14	F.	75.4 44.3	97	80	4 11	— 20	20 29
	9	5.5	0.66	17	V.	71.6 44.1	95	79	4 22	— 41	20 59
	10	5.9	0.63	16							
					K.	82.5 38.2	301	276	3 45	12 1	20 17
	11	8.1	0.41	10	A.	73.0 37.0	295	76	3 15	— 9	21 3
				E.	— —	94	74	3 33	— 13	20 53	
				F.	78.8 43.4	99	79	4 11	— 20	20 30	
				V.	75.1 45.9	97	77	4 22	— 41	21 0	
					K.	82.6 41.4	301	278	3 45	12 1	20 17
				A.	74.9 38.5	297	77	3 15	— 9	21 4	
				E.	— —	96	76	3 33	— 13	20 54	
				F.	74.0 45.9	96	81	4 11	— 21	20 30	
				V.	78.4 42.0	99	79	4 22	— 41	21 0	
N.	Mean Temperature.			°F.		°A.					
0		53.4	285	K.	84.6 41.3	302	278	3 45	12 2	20 18	
E.				A.	70.1 39.6	294	77	3 14	— 9	21 4	
				E.	— —	98	77	3 32	— 13	20 54	
	1	51.8	286	F.	75.1 45.9	97	81	4 11	— 21	20 31	
	2	56.0	286	V.	77.9 46.6	99	79	4 22	— 42	21 1	
	3	57.8	287								
W.	4	57.6	287								
	5	58.5	288								
				K.	83.4 42.1	302	279	3 45	12 2	20 19	
	6	56.0	286	A.	74.0 41.3	296	78	3 14	— 9	21 4	
	7	57.0	287	E.	— —	95	81	3 33	— 14	20 55	
S.	8	57.6	287	F.	74.9 46.0	97	81	4 11	— 21	20 31	
	9	56.0	286	V.	78.9 46.2	99	81	4 22	— 42	21 1	
	10	57.4	287								
				K.	86.1 45.2	303	278	3 45	12 2	20 19	
	11	58.5	288	A.	68.4 41.5	296	78	3 14	— 9	21 5	
				E.	— —	92	80	3 33	— 14	20 56	
				F.	80.1 47.3	300	82	4 11	— 21	20 32	
				V.	80.6 43.0	300	79	4 22	— 42	21 2	

13TH JUNE TO 19TH JUNE, 1915.	
Historical Notes.	Diary.
SUNDAY, 13th JUNE. 1903. Beginning of 3 days' continuous rainfall in London.	164. W.W.R. stations. Post Day.
MONDAY, 14th JUNE. 1914. Remarkable thunderstorms with heavy rainfall, 1.23 in. (31 mm.) increasing to 1.88 in. (48 mm.) later at Wandsworth. Rainfall at Richmond Park 3.7 in. (94 mm.)	*165. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 15th JUNE. 1854. Department of Board of Trade initiated by Mr. Cardwell for Marine Meteorology. 1914. Severe thunderstorm with subsidence of streets at Paris.	166.
WEDNESDAY, 16th JUNE. 1914. Thunderstorm, Bavaria. Damage by hail and floods.	*167. M.O.—Quarterly issue of forms.
THURSDAY, 17th JUNE. Third Earl of Rosse b. 1800, [d. 31 Oct., 1867]. 1913. Eruption of Asama-yama, Japan. 1914. Collision during fog between the liner "Kaiser Wilhelm II" and "Incemore" (Liverpool) in the Channel.	168. Obs.—Met. work despatch day.
FRIDAY, 18th JUNE. 1914. Thunderstorms in several parts of England and Scotland. Stranding of "Bülow" near Portland, owing to fog.	*169.
SATURDAY, 19th JUNE. St. Protais. 1914. Heavy local rainstorms in Scotland resulting in serious railway accident at Carr Bridge (Inverness).	170. Obs.—Close Journal, 30.

FOURTH WEEK OF SUMMER.				YEAR XXXVIII.				WEEK No. 25.					
Dist.		Normals, 1881-1905, for Districts.			Notes for Observatories.*								
					Extremes of Temperature.				Sun.				
		Daily Sunshine and Weekly Rainfall.			1871-1900.		1871-1914.		Rises.		Noon.		Sets.
N.	Sun. hrs.	Rain. in.	mm.	K.	°F.	°A.	G.M.T.	h. m.	h. m.	h. m.			
0	4.6	0.73	19	K.	80.2 45.0	300 280	3 45 12 2 20 19						
E.				A.	70.9 39.1	295 77	3 14 - 10 21 5						
	1	6.0	0.55	14	E.	- -	89 80	3 33 - 14 20 56					
	2	6.5	0.44	11	F.	70.9 48.1	95 82	4 11 - 21 20 32					
	3	7.3	0.37	9	V.	77.2 42.5	98 79	4 22 - 42 21 2					
	4	6.5	0.48	12									
W.	5	7.5	0.37	9	K.	84.0 44.0	302 280	3 45 12 2 20 19					
					A.	69.0 40.0	294 77	3 14 - 10 21 5					
	6	6.1	0.72	18	E.	- -	91 79	3 33 - 14 20 56					
	7	6.4	0.59	15	F.	70.9 47.0	95 81	4 12 - 22 20 32					
	8	7.0	0.51	13	V.	74.6 44.3	97 80	4 22 - 42 21 2					
S.	9	5.1	0.64	16									
	10	5.6	0.60	15	K.	77.3 41.0	298 278	3 45 12 3 20 20					
					A.	72.2 41.6	95 78	3 15 - 10 21 6					
	11	8.4	0.40	10	E.	- -	90 77	3 33 - 14 20 56					
					F.	73.2 46.6	96 81	4 12 - 22 20 32					
				V.	74.5 47.8	97 82	4 23 - 43 21 3						
				K.	81.8 46.9	301 280	3 46 12 3 20 20						
				A.	69.4 41.7	294 78	3 15 - 10 21 6						
				E.	- -	89 80	3 34 - 15 20 57						
				F.	73.1 49.0	96 82	4 12 - 22 20 32						
				V.	78.3 45.8	99 80	4 23 - 43 21 3						
N.	Mean Temperature.			K.	84.0 46.5	302 281	3 46 12 3 20 20						
0	54.3	285		A.	70.9 40.9	295 78	3 15 - 10 21 6						
E.				E.	- -	90 79	3 34 - 15 20 57						
	1	56.0	286	F.	71.1 47.9	96 82	4 12 - 22 20 32						
	2	57.6	287	V.	77.7 46.3	98 81	4 23 - 43 21 3						
	3	59.6	288										
	4	59.2	288										
W.	5	60.2	289	K.	82.1 42.3	301 279	3 46 12 3 20 20						
				A.	76.7 39.3	298 77	3 16 - 11 21 7						
	6	56.9	287	E.	- -	91 80	3 34 - 15 20 57						
	7	58.2	288	F.	70.1 48.7	96 82	4 13 - 23 20 33						
	8	58.8	288	V.	74.6 45.6	97 81	4 23 - 43 21 3						
S.	9	57.1	287										
	10	58.5	288	K.	85.6 43.7	303 280	3 46 12 3 20 20						
				A.	75.0 40.0	297 77	3 16 - 11 21 6						
	11	59.8	288	E.	- -	90 77	3 34 - 15 20 56						
				F.	74.9 49.6	97 82	4 13 - 23 20 32						
			V.	80.0 46.0	300 80	4 23 - 43 21 3							

20TH JUNE TO 26TH JUNE, 1915.			
Historical Notes.		Diary.	
SUNDAY, 20th JUNE. <i>D 14h. 24m</i>		W.W.R. stations. Post Day.	*171.
MONDAY, 21st JUNE. Georg von Neumayer b. 1821, [d. 24 May, 1909].		Anemo. stations. Post Day. Baro. stations. Post Day.	172.
TUESDAY, 22nd JUNE.			*173.
WEDNESDAY, 23rd JUNE.		<i>Meteorological Committee Reports & Accounts</i>	174.
THURSDAY, 24th JUNE. St. John. Midsummer Day. 1035. Frost on Midsummer Day; so vehement that corn and fruit were destroyed.—(LOWE.)		Obs.—Met. work despatch day.	*175.
FRIDAY, 25th JUNE.		H.D.I.	176.
SATURDAY, 26th JUNE. William Thomson, Lord Kelvin b. 1824, [d. 17 Dec., 1907].		Obs.—Close Journal, 31.	*177.

FIFTH WEEK OF SUMMER.				YEAR XXXVIII.				WEEK No. 26.			
Dist.		Normals, 1881-1905. for Districts.		Notes for Observatories.*							
				Extremes of Temperature.				Sun.			
		Daily Sunshine and Weekly Rainfall.		1871-1900.		1871-1914.*		Rises.	Noon.	Sets	
N.	0	Sun. hrs.	Rain. in. mm.	°F.		°A.		G.M.T.			
E.	0	4·4	0·78 20	K.	83·9 41·3	302	278	h. m.	h. m.	h. m.	
				A.	75·4 42·0	297	79	3 47	12 4	20 20	
	1	5·7	0·63 16	E.	— —	90	74	3 17	— 11	21 6	
	2	6·7	0·46 12	F.	73·0 50·0	96	82	3 35	— 16	20 57	
	3	7·4	0·42 11	V.	71·4 47·4	97	80	4 14	— 23	20 32	
W.	4	6·7	0·47 12					4 24	— 44	21 3	
	5	7·6	0·40 10	K.	79·9 48·3	300	281	3 48	12 4	20 20	
				A.	72·2 38·9	295	77	3 17	— 11	21 6	
	6	5·9	0·79 20	E.	— —	89	79	3 36	— 16	20 56	
	7	6·4	0·58 15	F.	73·9 49·0	96	82	4 14	— 23	20 32	
S.	8	7·0	0·53 13	V.	72·5 46·0	300	81	4 25	— 44	21 3	
	9	4·8	0·63 16								
	10	5·4	0·60 15	K.	83·4 48·1	302	281	3 48	12 4	20 20	
				A.	69·8 45·9	295	78	3 18	— 12	21 5	
	11	8·5	0·45 11	E.	— —	93	80	3 36	— 16	20 56	
			F.	73·4 46·9	97	81	4 15	— 23	20 32		
			V.	76·1 49·2	99	80	4 25	— 44	21 3		
				K.	78·6 44·0	302	280	3 49	12 4	20 19	
				A.	70·1 42·5	298	79	3 19	— 12	21 5	
				E.	— —	93	77	3 37	— 16	20 55	
				F.	70·4 48·3	94	82	4 16	— 24	20 32	
				V.	76·6 48·4	98	81	4 26	— 44	21 2	
N.	0	Mean Temperature.		K.	80·7 42·8	305	280	3 49	12 4	20 19	
		54·5	286	A.	76·3 44·5	298	79	3 19	— 12	21 4	
				E.	— —	97	80	3 37	— 16	20 55	
	1	56·3	287	F.	73·8 48·1	96	82	4 16	— 24	20 32	
	2	58·6	288	V.	73·9 47·0	97	81	4 26	— 44	21 2	
E.	3	60·5	289								
	4	59·9	289	K.	83·3 47·3	302	281	3 50	12 5	20 19	
	5	61·0	289	A.	76·4 44·0	298	80	3 20	— 12	21 4	
				E.	— —	95	79	3 38	— 17	20 54	
	6	57·1	287	F.	74·2 48·2	96	82	4 17	— 24	20 31	
W.	7	58·7	288	V.	71·9 48·5	98	82	4 27	— 45	21 2	
	8	59·4	288								
	9	57·4	287	K.	85·3 49·9	303	282	3 51	12 5	20 19	
	10	58·8	288	A.	73·4 42·3	296	79	3 21	— 12	21 3	
				E.	— —	94	77	3 39	— 17	20 54	
S.				F.	73·8 49·0	96	82	4 17	— 24	20 31	
	11	60·6	289	V.	72·7 47·4	97	82	4 28	— 45	21 2	

27TH JUNE TO 3RD JULY, 1915.	
Historical Notes.	Diary.
SUNDAY, 27th JUNE. <i>O 4h. 27m</i>	178. W.W.R. stations. Post Day.
MONDAY, 28th JUNE.	*179. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 29th JUNE. S.S. Peter and Paul.	180.
WEDNESDAY, 30th JUNE. 1879. First issue of forecasts during Harvest season.	*181. Observatories— Close Journal, 32. Electrical Work, 1914. 1st Quarter day. Day for delivery of Magnetic Material for Hourly Values (Year Book, Pt. IV. 2, 1914). M.O.—Geophysical Journal, April Copy day.
THURSDAY, 1st JULY. 1910. Administration of Kew and Eskdale observatories transferred to M.O.	182. Balloon Day. Obs.—Met. work despatch day. M.O.—Codes of Signals. Copy day.
FRIDAY, 2nd JULY.	*183.
SATURDAY, 3rd JULY. Dog Days, July 3–Aug. 11.	184. Obs.—Close Journal, 33. Climatological stations. Schedule day.

SIXTH WEEK OF SUMMER.				YEAR XXXVIII.				WEEK No. 27.					
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*									
				Extremes of Temperature.				Sun.					
		Daily Sunshine and Weekly Rainfall.		1871-1900.		1871-1914.		Rises.		Noon.		Sets	
N.	Sun. hrs.	Rain. in. mm.	K.	°F.	°A.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	
0	4.2	0.80 20	K.	84.7 46.9	302 282	3 52	12 5	20 18					
E.			A.	74.7 39.9	297 77	3 22	- 12	21 2					
			E.	— —	92 74	3 40	- 17	20 53					
	1	5.3 0.71 18	F.	77.5 47.8	98 82	4 18	- 24	20 30					
	2	6.4 0.48 12	V.	70.4 48.0	95 82	4 29	- 45	21 1					
	3	7.1 0.52 13											
W.	4	6.3 0.50 13											
	5	7.3 0.47 12											
			K.	90.0 46.2	305 281	3 52	12 5	20 18					
	6	5.7 0.85 22	A.	74.5 41.0	298 78	3 23	- 13	21 2					
	7	6.2 0.63 16	E.	— —	91 81	3 41	- 17	20 53					
S.	8	6.6 0.64 16	F.	75.0 49.6	97 83	4 19	- 25	20 30					
	9	4.6 0.73 19	V.	72.6 48.4	96 82	4 29	- 45	21 1					
	10	5.2 0.69 18											
			K.	83.4 47.9	302 282	3 53	12 6	20 17					
	11	8.1 0.52 13	A.	71.2 38.9	295 77	3 24	- 13	21 1					
			E.	— —	92 81	3 42	- 17	20 52					
			F.	71.9 49.2	95 83	4 19	- 25	20 30					
			V.	71.4 46.5	95 81	4 30	- 46	21 0					
			K.	85.6 45.2	303 280	3 54	12 6	20 17					
			A.	74.4 41.1	297 78	3 25	- 13	21 0					
			E.	— —	94 76	3 43	- 17	20 52					
			F.	70.7 47.5	97 82	4 20	- 25	20 30					
			V.	70.4 48.6	94 81	4 31	- 46	21 0					
	N.	Mean Temperature.		K.	83.8 43.6	303 279	3 55	12 6	20 17				
	0	54.7 286	A.	70.9 41.8	297 77	3 26	- 13	20 59					
E.			E.	— —	93 75	3 44	- 18	20 51					
	1	56.5 287	F.	75.7 46.0	99 81	4 20	- 25	20 29					
	2	58.8 288	V.	71.9 49.8	98 80	4 32	- 46	20 59					
	3	60.7 289											
	4	60.1 289											
W.	5	61.5 289	K.	86.9 47.1	304 281	3 56	12 6	20 16					
			A.	72.5 40.6	298 78	3 27	- 13	20 58					
			E.	— —	92 77	3 45	- 18	20 50					
	6	57.2 287	F.	70.5 48.2	97 82	4 21	- 25	20 28					
	7	58.9 288	V.	73.1 48.8	98 81	4 33	- 46	20 59					
S.	8	59.8 288											
	9	57.4 287											
	10	58.9 288	K.	85.7 48.0	303 282	3 57	12 6	20 15					
			A.	73.1 41.6	296 78	3 28	- 13	20 57					
	11	61.2 289	E.	— —	96 77	3 46	- 18	20 49					
			F.	69.9 48.1	95 82	4 22	- 25	20 27					
			V.	74.3 45.4	98 80	4 34	- 46	20 58					

4TH JULY TO 10TH JULY, 1915.	
Historical Notes.	Diary.
SUNDAY, 4th JULY. St. Martin Bullion. (52.52)	*185. W.W.R. stations. Post Day.
MONDAY, 5th JULY. Admiral Robert FitzRoy b. 1805, [d. 30 April, 1865]. 1868. Issue of lithographed copies of Daily Weather Report begun.	186. Anemo. stations. Post Day. Baro. stations. Post Day. Obs.—Send curves and tabulations to complete month.
TUESDAY, 6th JULY. William Clement Ley b. 1840, [d. 22 April, 1896].	*187.
WEDNESDAY, 7th JULY. 1558. "Marvellous tempest of thunder" near Nottingham. Hailstones 15 in. in circumference.—(LOWE.)	188.
THURSDAY, 8th JULY. 1893. Thunder and hailstorms over England and S. Scotland. Hailstones 6-7 in. in circumference fell at Richmond, Yorks.—(Q J.). 1905. Kashgar earthquake.	*189. Obs.—Met. work despatch day.
FRIDAY, 9th JULY. George Howard Darwin b. 1845, [d. 7 Dec., 1912]. 1877. Administration of the Office transferred from the Meteorological Committee of the Royal Society to the Meteorological Council.	190. H.D.I.
SATURDAY, 10th JULY.	*191. Obs.—Close Journal, 34.

SEVENTH WEEK OF SUMMER.				YEAR XXXVIII. WEEK No. 28.			
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*			
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.		Sun.	
				1871-1900.	1871-1914.	Rises.	Noon. Sets.
N.	Sun. hrs.	Rain. in.	mm.	°A.		G.M.T.	
0	4.1	0.78	20	K. 83.2	43.6	302	279
E.				A. 70.2	41.6	295	78
1	5.1	0.73	19	E. —	—	98	80
2	6.2	0.54	14	F. 72.7	47.1	98	81
3	6.7	0.59	15	V. 70.2	47.0	99	78
4	5.8	0.58	15				
5	6.8	0.55	14				
W.				K. 81.4	44.0	303	280
6	5.4	0.82	21	A. 77.0	41.6	298	78
7	5.7	0.72	18	E. —	—	301	81
8	6.1	0.75	19	F. 69.0	47.8	297	81
9	4.3	0.80	20	V. 72.9	50.0	300	82
10	4.9	0.72	18				
S.				K. 84.0	43.9	302	280
11	7.5	0.57	14	A. 73.1	41.1	296	78
				E. —	—	98	84
				F. 73.7	46.9	98	81
				V. 70.8	48.3	96	82
				K. 85.6	46.6	303	281
				A. 73.5	43.6	297	79
				E. —	—	98	80
				F. 73.2	47.0	99	81
				V. 77.9	44.8	99	80
N.	Mean Temperature.			K. 89.8	46.6	305	281
0	55.0	286		A. 74.3	43.4	297	79
E.				E. —	—	96	81
1	56.9	287		F. 76.3	49.0	98	82
2	58.7	288		V. 79.5	48.6	99	82
3	60.7	289					
4	60.1	289					
5	61.6	289					
W.				K. 89.4	44.1	305	280
6	57.4	287		A. 84.9	41.2	302	78
7	59.0	288		E. —	—	294	81
8	60.0	289		F. 74.0	50.9	98	84
9	57.4	287		V. 72.9	47.1	96	81
10	59.1	288					
S.				K. 85.0	48.7	302	282
11	61.5	289		A. 77.4	44.7	298	80
				E. —	—	89	82
				F. 80.0	51.3	300	84
				V. 73.3	49.7	296	83

11TH JULY TO 17TH JULY, 1915.			
Historical Notes.		Diary.	
SUNDAY, 11th JULY. 1855. Scottish Meteorological Society founded.		W.W.R. stations. Post Day.	192.
MONDAY, 12th JULY. <i>gh. 31m</i> 1901. Heavy rainfall at Maidenhead, 3.63 in. (92 mm.) in 1 hour. 1905. Final meeting of the Meteorological Council.		Anemo. stations. Post Day. Baro. stations. Post Day.	*193.
TUESDAY, 13th JULY.		<i>Advisory Committee for Aeronautics</i>	194.
WEDNESDAY, 14th JULY. S.S. Processus and Martinian. 1875. Heavy rainfall over Monmouthshire, 5 in. (127 mm.) in 24 hrs.			*195.
THURSDAY, 15th JULY. St. Swithin. 1881. Beginning of four days' spell of very hot weather over England S.E., 97.6° F. (309° A.) at Greenwich, 95° F. (308° A.) at Camden Square; and with abnormal exposure, 101° F. (311° A.) at Alton, Hants, 100° F. (311° A.) at Alderbury, Salisbury.—(S.M.)		Obs.—Met. work despatch day.	196.
FRIDAY, 16th JULY.		M. S.	*197.
SATURDAY, 17th JULY. 1666. "Hailstorm in Suffolk. Hailstones 9 in., 8 in., 12 in. At Friston Hall, one weighed 12s. 6d."—(LOWE.)		Obs.—Close Journal, 35.	198.

EIGHTH WEEK OF SUMMER.				YEAR XXXVIII.				WEEK No. 29.							
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*											
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.							
				1871-1900.		1871-1914.		Rises.		Noon.		Sets.			
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.							
0	3·9	0·79	20	K.	85·4	45·3	303	280	h.	m.	h.	m.	h.	m.	
E.				A.	78·5	43·9	299	80	4	6	12	7	20	8	
	1	5·0	0·66	17	E.	—	—	91	80	3	40	—	14	20	47
	2	5·6	0·66	17	F.	75·0	51·4	97	84	3	57	—	19	20	40
	3	6·3	0·57	14	V.	44·7	49·2	97	83	4	30	—	26	20	21
	4	5·5	0·62	16						4	42	—	47	20	51
W.	5	6·4	0·56	14											
	6	5·3	0·78	20	K.	89·4	45·4	305	280	4	7	12	7	20	7
	7	5·4	0·78	20	A.	76·1	42·3	298	79	3	42	—	14	20	46
	8	5·9	0·76	19	E.	—	—	93	79	3	59	—	19	20	39
	9	4·3	0·78	20	F.	76·2	51·6	98	84	4	32	—	26	20	20
S.	10	4·8	0·74	19	V.	77·1	47·0	98	81	4	44	—	47	20	50
	11	7·4	0·56	14	K.	89·4	47·1	305	281	4	8	12	7	20	6
					A.	74·0	38·4	296	77	3	44	—	15	20	45
					E.	—	—	95	79	4	0	—	19	20	37
				F.	73·3	51·9	98	82	4	33	—	26	20	19	
				V.	76·0	51·3	97	84	4	46	—	47	20	49	
				K.	86·4	46·4	304	281	4	10	12	7	20	4	
				A.	77·2	40·3	298	78	3	46	—	15	20	43	
				E.	—	—	99	81	4	2	—	19	20	36	
				F.	74·0	50·0	96	82	4	34	—	26	20	18	
				V.	77·0	45·6	98	81	4	47	—	47	20	48	
N.	Mean Temperature.			K.	87·1	48·6	304	282	4	11	12	7	20	3	
0	55·1	286		A.	75·5	45·6	297	79	3	48	—	15	20	41	
E.				E.	—	—	90	78	4	3	—	19	20	34	
	1	56·8	287	F.	77·8	50·4	98	82	4	35	—	26	20	17	
	2	58·7	288	V.	80·1	47·9	300	82	4	48	—	47	20	46	
	3	60·7	289												
	4	60·0	289												
W.	5	61·6	289	K.	82·7	46·6	301	281	4	13	12	7	20	1	
				A.	68·6	42·0	293	79	3	50	—	15	20	40	
	6	57·4	287	E.	—	—	91	80	4	5	—	19	20	33	
	7	59·0	288	F.	74·9	50·0	97	83	4	38	—	27	20	16	
	8	60·0	289	V.	71·9	48·7	95	82	4	50	—	47	20	44	
S.	9	57·5	287												
	10	59·2	288												
				K.	86·0	47·0	303	281	4	14	12	7	20	0	
	11	61·6	289	A.	70·7	43·2	295	79	3	52	—	15	20	38	
				E.	—	—	90	79	4	6	—	19	20	31	
			F.	73·0	52·6	96	84	4	39	—	27	20	14		
			V.	73·6	50·6	96	82	4	52	—	47	20	42		

18TH JULY TO 24TH JULY, 1915.	
Historical Notes.	Diary.
SUNDAY, 18th JULY.	*199. W.W.R. stations. Post Day.
MONDAY, 19th JULY. <i>D 21h. 9m</i>	200. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 20th JULY. St. Margaret. St. Jacob.	*201.
WEDNESDAY, 21st JULY.	202.
THURSDAY, 22nd JULY. St. Mary Magdalene. 1868. 96·6° F. (309° A.) at Greenwich. 100·5° F. (311° A.) at Tonbridge.	*203. Obs.—Met. work despatch day.
FRIDAY, 23rd JULY.	204. H.D.I.
SATURDAY, 24th JULY. Sir Richard Strachey b. 1817, [d. 12 Feb., 1908].	*205. Obs.—Close Journal, 36.

NINTH WEEK OF SUMMER.				YEAR XXXVIII.				WEEK No. 30.			
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*							
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.			
				1871-1900.		1871-1914.		Rises.	Noon.	Sets	
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.			
0	3.7	0.86	22	K.	89.3	47.3	305	282	h. m.	h. m.	h. m.
E.				A.	80.9	42.4	300	79	4 15	12 7	19 58
				E.	—	—	293	81	3 54	- 15	20 36
	1	5.0	0.63	F.	75.0	51.2	97	84	4 8	- 19	20 29
	2	5.6	0.69	V.	73.8	49.5	96	82	4 40	- 27	20 13
	3	6.2	0.49						4 54	- 47	20 41
W.	4	5.6	0.56								
	5	6.4	0.48								
				K.	85.4	43.2	303	279	4 17	12 7	19 57
	6	5.3	0.87	A.	68.8	42.2	293	78	3 55	- 15	20 34
	7	5.4	0.78	E.	—	—	92	78	4 10	- 19	20 28
S.	8	6.1	0.67	F.	79.5	50.1	99	83	4 42	- 27	20 12
	9	4.3	0.81	V.	73.1	46.9	96	81	4 55	- 47	20 40
	10	4.9	0.81								
S.	11	8.0	0.53	K.	82.0	46.9	301	281	4 18	12 7	19 56
				A.	69.0	40.7	294	78	3 57	- 15	20 32
				E.	—	—	94	77	4 12	- 19	20 26
				F.	74.1	51.0	96	83	4 43	- 27	20 10
				V.	75.8	46.2	97	81	4 56	- 47	20 39
				K.	76.9	44.1	303	280	4 19	12 7	19 55
				A.	69.6	37.7	295	76	3 59	- 15	20 30
				E.	—	—	94	81	4 13	- 19	20 24
				F.	72.0	49.4	95	83	4 44	- 27	20 9
				V.	77.0	44.6	98	80	4 57	- 47	20 38
N.	Mean Temperature.										
		°F.	°A.	K.	79.2	45.3	304	280	4 21	12 7	19 53
	0	55.1	286	A.	74.5	43.0	297	79	4 1	- 15	20 28
	E.			E.	—	—	96	80	4 15	- 19	20 22
		1	56.6	287	F.	70.4	50.2	96	83	4 46	- 27
2		58.7	288	V.	75.5	49.3	97	83	4 58	- 47	20 37
W.	3	60.5	289								
	4	59.8	288	K.	80.8	46.3	300	281	4 22	12 7	19 52
	5	61.5	289	A.	75.0	43.6	297	79	4 3	- 15	20 26
				E.	—	—	96	78	4 17	- 19	20 21
	6	57.2	287	F.	74.0	51.6	96	84	4 47	- 27	20 6
S.	7	59.0	288	V.	74.9	45.4	97	80	4 59	- 47	20 36
	8	59.9	289								
	9	57.6	287	K.	82.8	46.7	301	281	4 24	12 7	19 50
S.	10	59.2	288	A.	68.9	41.7	295	78	4 5	- 15	20 24
				E.	—	—	94	76	4 19	- 19	20 19
				F.	70.3	51.0	95	84	4 48	- 26	20 4
				V.	75.8	45.8	97	81	5 1	- 47	20 34
	11	61.7	290								

25TH JULY TO 31ST JULY, 1915.	
Historical Notes.	Diary.
SUNDAY, 25th JULY. St. James.	206. W.W.R. stations. Post Day.
MONDAY, 26th JULY. <i>O 12h. 11m</i>	*207. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 27th JULY. Sir George Biddell Airy b. 1801 [d. 2 Jan. 1892].	208.
WEDNESDAY, 28th JULY. 1911. Thunderstorm and "record" wind at South Kensington, 1.1 in. (28 mm.) of rain in 15 mins. Gust, 24.1 m. | s. (54 ml. | hr.), at 17 h. 16 m.	*209.
THURSDAY, 29th JULY.	210. Obs.—Met. work despatch day. M.O.—W.W.R. App. I. Copy day.
FRIDAY, 30th JULY.	*211. M.O.—Geophysical Journal. May Copy day.
SATURDAY, 31st JULY.	212. Obs.—Close Journal, 37.

TENTH WEEK OF SUMMER.				YEAR XXXVIII.				WEEK No. 31.			
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*							
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.			
				1871-1900.		1871-1914.		Rises.		Noon.		Sets.
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.			
0	3.6	0.93	24	K.	81.0 48.1	300	280	h. m.	h. m.	h. m.	
E.				A.	79.6 41.3	299	78	4 25	12 7	19 49	
				E.	— —	92	81	4 7	— 15	20 22	
	1	4.9	0.71	18	F.	70.7 49.8	95	83	4 21	— 19	20 17
	2	5.4	0.60	15	V.	76.9 48.4	98	82	4 49	— 26	20 2
	3	6.2	0.49	12					5 3	— 47	20 32
4	5.6	0.54	14								
5	6.5	0.46	12								
W.				K.	80.7 45.9	301	280	4 27	12 7	19 47	
				A.	71.8 41.0	296	77	4 9	— 15	20 20	
	6	5.1	1.00	25	E.	— —	95	75	4 22	— 19	20 15
	7	5.3	0.77	20	F.	71.3 49.2	95	82	4 51	— 26	20 1
	8	6.2	0.65	17	V.	79.4 46.0	99	81	5 5	— 47	20 30
9	4.3	0.89	23								
10	5.1	0.92	23								
S.				K.	79.3 44.1	300	280	4 29	12 7	19 45	
	11	8.2	0.56	14	A.	70.6 43.1	296	76	4 10	— 14	20 17
				E.	— —	96	72	4 24	— 19	20 13	
				F.	73.0 48.4	96	81	4 52	— 26	19 59	
				V.	77.4 48.2	98	82	5 7	— 47	20 28	
				K.	87.7 48.3	304	282	4 31	12 7	19 43	
				A.	71.5 37.7	295	76	4 12	— 14	20 15	
				E.	— —	91	79	4 26	— 19	20 11	
				F.	73.0 47.7	96	82	4 53	— 26	19 58	
				V.	71.1 49.0	95	82	5 9	— 47	20 26	
N.	Mean Temperature.			K.	86.6 45.1	303	280	4 32	12 7	19 42	
	0	54.8	286	A.	73.8 42.4	296	79	4 14	— 14	20 13	
				E.	— —	89	77	4 28	— 19	20 9	
	1	56.2	286	F.	73.3 46.0	96	81	4 55	— 26	19 57	
	2	58.4	288	V.	70.6 49.8	95	83	5 11	— 47	20 24	
E.	3	60.2	289								
	4	59.4	288								
	5	61.3	289								
				K.	84.5 46.3	302	281	4 34	12 7	19 40	
				A.	73.5 40.3	297	78	4 16	— 14	20 11	
W.	6	56.8	287	E.	— —	89	77	4 30	— 19	20 7	
	7	58.6	288	F.	71.9 49.3	95	83	4 56	— 26	19 55	
	8	59.6	288	V.	71.2 50.8	95	83	5 12	— 47	20 23	
	9	57.3	287								
	10	58.8	288								
S.				K.	82.5 48.8	301	231	4 35	12 7	19 39	
	11	61.8	290	A.	69.5 47.4	294	81	4 19	— 14	20 9	
				E.	— —	90	76	4 31	— 18	20 5	
				F.	73.5 49.2	96	83	4 58	— 26	19 54	
				V.	73.3 49.7	96	82	5 13	— 47	20 22	

1ST AUGUST TO 7TH AUGUST, 1915.	
Historical Notes.	Diary.
SUNDAY, 1st AUGUST. Lammas Day. 1861. Weather forecasts first issued by Admiral FitzRoy in this month. 1910. First report by radiotelegraphy from Gibraltar.	*213. W.W.R. stations. Post Day.
MONDAY, 2nd AUGUST. <i>Q. 21h. 27m</i> 1906. Exceptionally destructive hailstorm over the east Midland Counties: value of uninsured crops destroyed estimated at £55,000.— (M.W.R.)	214. Anemo. stations. Post Day. Baro. stations. Post Day. M.O. Press closed.
TUESDAY, 3rd AUGUST. 1879. Destructive hailstorm at Kew.	*215.
WEDNESDAY, 4th AUGUST. 1577. "Exceeding great and terrible tempeste" at Bungay, near Norwich.—(Lowe.) <i>Wm de la Land 1914</i>	216. Climatological stations. Schedule day.
THURSDAY, 5th AUGUST.	*217. Obs.—Met. work despatch day. Also send curves and tabulations to complete month.
FRIDAY, 6th AUGUST. George James Symons b. 1838, [d. 10 Mar., 1900]. 1857. 9½ in. of rainfall at Scarborough.	218. H.D.I.
SATURDAY, 7th AUGUST. Elias Loomis b. 1811, [d. 14 Aug., 1889].	*219. Obs.—Close Journal, 38.

ELEVENTH WEEK OF SUMMER.				YEAR XXXVIII.				WEEK No. 32.			
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*							
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.			
				1871-1900.		1871-1914.		Rises.		Noon.	Sets.
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.			
0	3.9	0.92	23	K. 86.9	47.0	304	281	4 36	12 6	19 37	
E.				A. 71.1	44.4	295	79	4 21	- 14	20 7	
				E. —	—	95	75	4 33	- 18	20 3	
	1	4.9	0.74	19	F. 73.1	47.0	97	81	5 0	- 26	19 52
	2	5.3	0.58	15	V. 74.0	48.2	96	82	5 14	- 46	20 20
	3	6.1	0.55	14							
W.	4	5.6	0.59	15							
	5	6.5	0.55	14							
				K. 84.2	47.5	307	282	4 37	12 6	19 35	
				A. 72.9	40.2	297	78	4 23	- 14	20 5	
				E. —	—	95	79	4 35	- 18	20 1	
S.	6	5.1	1.03	26	F. 73.0	50.7	98	83	5 1	- 26	19 50
	7	5.2	0.80	20	V. 72.5	48.8	96	82	5 16	- 46	20 18
	8	6.2	0.73	19							
	9	4.4	0.91	23							
	10	5.2	0.97	25							
S.	11	7.8	0.60	15	K. 80.7	47.1	300	281	4 39	12 6	19 33
				A. 76.4	37.7	298	76	4 25	- 14	20 3	
				E. —	—	93	77	4 37	- 18	19 59	
				F. 72.0	50.4	96	83	5 2	- 26	19 48	
				V. 73.6	49.4	96	83	5 17	- 46	20 16	
				K. 89.2	43.8	305	280	4 41	12 6	19 31	
				A. 79.7	39.2	300	77	4 27	- 14	20 0	
				E. —	—	290	76	4 39	- 18	19 57	
				F. 75.4	48.0	97	82	5 3	- 25	19 46	
				V. 76.6	50.0	98	83	5 19	- 46	20 14	
N.		Mean Temperature.		K. 85.4	46.0	304	281	4 42	12 6	19 30	
	0	°F. 54.8	°A. 286	A. 75.0	43.2	293	79	4 29	- 13	19 57	
				E. —	—	94	78	4 41	- 18	19 55	
				F. 73.2	50.8	98	83	5 5	- 25	19 45	
				V. 78.5	50.2	99	83	5 21	- 46	20 12	
E.	1	55.9	286								
	2	58.0	287								
	3	60.0	289								
	4	59.1	288								
	5	61.1	289								
W.				K. 92.3	46.0	307	281	4 44	12 6	19 28	
				A. 71.3	40.6	295	76	4 31	- 13	19 55	
				F. —	—	96	78	4 43	- 18	19 52	
				F. 79.0	48.2	99	82	5 7	- 25	19 43	
				V. 75.5	47.8	97	82	5 23	- 46	20 10	
S.	6	56.7	287								
	7	58.3	288								
	8	59.3	288								
	9	57.1	286								
	10	58.4	288								
S.	11	61.7	290	K. 87.1	42.1	304	279	4 46	12 6	19 26	
				A. 69.9	39.9	294	77	4 33	- 13	19 53	
				E. —	—	99	78	4 44	- 17	19 50	
				F. 73.5	47.5	98	82	5 8	- 25	19 41	
				V. 76.5	46.7	98	81	5 25	- 46	20 8	

8TH AUGUST TO 14TH AUGUST, 1915.	
Historical Notes.	Diary.
SUNDAY, 8th AUGUST. 1851. First printed Daily Weather Map issued at the Great Exhibition.—(S.M.)	220. W.W.R. stations. Post Day.
MONDAY, 9th AUGUST. 1911. Hottest day on record in London, 100° F. (311° A.) at Greenwich (Glaisher screen), 97° F. (309° A.) at South Kensington. 1912. Earthquake, Sea of Marmora.	*221. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 10th AUGUST. St. Lawrence. <i>221. 52m</i>	222.
WEDNESDAY, 11th AUGUST.	*223.
THURSDAY, 12th AUGUST. <i>3m End last 6 killed 25 injured</i>	224. Obs.—Met. work despatch day.
FRIDAY, 13th AUGUST. Sir G. G. Stokes b. 1819, [d. 2 Feb., 1903].	*225.
SATURDAY, 14th AUGUST.	226. Obs.—Close Journal, 39.

TWELFTH WEEK OF SUMMER.				YEAR XXXVIII.				WEEK No. 33.							
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*											
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.							
				1871-1900.		1871-1914.		Rises.		Noon.		Sets.			
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.							
0	3.7	1.00	25	K.	87.3	41.5	304	278	4	47	12	5	19	23	
E.				A.	76.5	42.5	298	79	4	35	-	13	19	50	
	1	4.8	0.75	19	E.	—	—	92	80	4	46	-	17	19	48
	2	5.0	0.62	16	F.	73.3	48.9	96	82	5	10	-	25	19	39
	3	5.9	0.56	14	V.	77.2	48.0	98	82	5	26	-	45	20	6
	4	5.3	0.65	17											
W.	5	6.2	0.63	16											
	6	4.8	1.09	28	K.	86.7	44.8	303	280	4	49	12	5	19	21
	7	4.9	0.89	23	A.	73.1	44.9	296	79	4	37	-	13	19	48
	8	5.9	0.86	22	E.	—	—	94	78	4	48	-	17	19	46
	9	4.2	0.94	24	F.	74.1	50.5	96	83	5	11	-	25	19	38
S.	10	4.8	0.98	25	V.	72.2	46.5	96	81	5	27	-	45	20	4
					K.	88.6	46.7	304	281	4	51	12	5	19	20
	11	7.2	0.65	17	A.	73.7	40.4	296	78	4	39	-	12	19	45
					E.	—	—	95	78	4	50	-	17	19	44
					F.	72.8	49.2	96	83	5	12	-	24	19	36
				V.	70.2	47.8	95	82	5	29	-	45	20	2	
				K.	88.3	48.3	304	281	4	52	12	5	19	18	
				A.	73.2	39.1	296	77	4	41	-	12	19	43	
				E.	—	—	94	79	4	52	-	17	19	42	
				F.	73.4	49.4	96	83	5	14	-	24	19	34	
				V.	75.2	49.8	97	82	5	31	-	45	20	0	
N.	Mean Temperature.			K.	82.7	43.4	301	279	4	53	12	5	19	16	
E.	0	54.4	285	A.	71.4	34.6	295	74	4	43	-	12	19	40	
	1	55.6	286	E.	—	—	92	79	4	54	-	16	19	39	
	2	57.5	287	F.	75.0	50.7	97	83	5	16	-	24	19	32	
	3	59.4	288	V.	75.5	49.8	97	81	5	33	-	45	19	58	
	4	58.4	288												
W.	5	60.6	289	K.	80.0	48.5	302	282	4	54	12	4	19	14	
	6	56.3	287	A.	72.8	40.0	296	77	4	45	-	12	19	38	
	7	57.9	287	E.	—	—	94	76	4	56	-	16	19	36	
	8	58.9	288	F.	70.2	49.8	95	83	5	17	-	24	19	30	
	9	56.5	287	V.	76.6	48.3	98	82	5	34	-	44	19	56	
S.	10	57.9	287												
				K.	79.9	45.5	300	280	4	56	12	4	19	12	
	11	61.4	289	A.	70.5	43.4	294	79	4	47	-	12	19	36	
				E.	—	—	90	79	4	58	-	16	19	34	
				F.	73.0	49.7	96	83	5	18	-	23	19	28	
			V.	80.1	50.3	300	82	5	36	-	44	19	53		

15TH AUGUST TO 21ST AUGUST, 1915.	
Historical Notes.	Diary.
SUNDAY, 15th AUGUST. Assumption.	*227. W.W.R. stations. Post Day.
MONDAY, 16th AUGUST. 1887. Beginning of two days' thunderstorm over the metropolis.—(S.M.)	228. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 17th AUGUST. <i>3 rain Eastern Counties London 10 calls 36 wages</i>	*229.
WEDNESDAY, 18th AUGUST. <i>D 2h. 17m</i>	230. M.O.—Half-yearly issue of cards to Sunshine stations.
THURSDAY, 19th AUGUST.	*231. Obs.—Met. work despatch day.
FRIDAY, 20th AUGUST.	232. H.D.I.
SATURDAY, 21st AUGUST.	*233. Obs.—Close Journal, 40.

THIRTEENTH WEEK OF SUMMER.				YEAR XXXVIII.				WEEK No. 34.			
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*							
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.			
				1871-1900.		1871-1914.		Rises. Noon. Sets.			
N.	Sun. hrs.	Rain. in. mm.	°F.					G.M.T.			
0	3.5	1.11 28	K. 83.9 45.0	303 280				h. m.	h. m.	h. m.	
E.			A. 69.8 42.8	295 79				4 58	12 4	19 10	
			E. — —	90 79				4 49	— 11	19 33	
	1	4.5 0.71 18	F. 70.2 51.8	94 82				5 0	— 16	19 32	
	2	4.7 0.64 16	V. 75.1 47.1	97 80				5 20	— 23	19 26	
	3	5.5 0.54 14						5 38	— 44	19 51	
W.	4	4.8 0.64 16									
	5	5.7 0.66 17									
	6	4.5 1.14 29	K. 80.4 45.0	300 280				5 0	12 4	19 8	
	7	4.5 0.89 23	A. 70.1 38.8	297 77				4 51	— 11	19 30	
	8	5.4 0.89 23	E. — —	92 76				5 1	— 15	19 29	
S.	9	3.9 0.95 24	F. 72.3 50.8	95 83				5 22	— 23	19 24	
	10	4.5 0.89 23	V. 75.8 45.5	97 81				5 40	— 44	19 49	
N.			K. 85.4 42.0	303 279				5 1	12 3	19 5	
	11	6.5 0.66 17	A. 69.8 41.4	294 78				4 54	— 11	19 28	
			E. — —	90 79				5 3	— 15	19 26	
			F. 71.1 48.0	95 82				5 23	— 23	19 22	
			V. 71.5 47.9	95 79				5 41	— 43	19 46	
E.											
W.			K. 86.1 43.5	303 279				5 3	12 3	19 3	
			A. 69.1 36.6	294 75				4 56	— 11	19 25	
			E. — —	91 81				5 5	— 15	19 24	
			F. 72.7 48.9	96 82				5 24	— 22	19 20	
			V. 72.8 48.0	96 81				5 43	— 43	19 44	
N.											
E.											
W.											
S.											
N.											
E.											
W.											
S.											
N.											
E.											
W.											
S.											
N.											
E.											
W.											
S.											
N.											
E.											
W.											
S.											
N.											
E.											
W.											
S.											
N.											
E.											
W.											
S.											
N.											
E.											
W.											
S.											
N.											
E.											
W.											
S.											
N.											
E.											
W.											
S.											
N.											
E.											
W.											
S.											

22ND AUGUST TO 28TH AUGUST, 1915.	
Historical Notes.	Diary.
SUNDAY, 22nd AUGUST.	234. W.W.R. stations. Post Day.
MONDAY, 23rd AUGUST. 1853. First meeting of Maritime Conference at Brussels.	*235. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 24th AUGUST. St. Bartholomew. 021.41m	236.
WEDNESDAY, 25th AUGUST. 1905. Great rainfall in east Ireland.	*237.
THURSDAY, 26th AUGUST. 1883. Krakatoa eruption. 1912. Flood rainfall in East Anglia. More than 8 in. (203 mm.) rain near Norwich.	238. Obs.—Met. work despatch day.
FRIDAY, 27th AUGUST. 1883. Krakatoa eruption.	*239.
SATURDAY, 28th AUGUST. 1859. Magnetic Storm.	240. Obs.—Close Journal, 41.

FIRST WEEK OF AUTUMN.				YEAR XXXVIII.				WEEK No. 35.							
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*											
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.							
				1871-1900.		1871-1914.		Rises.		Noon.		Sets			
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.							
0	3.6	0.99	25	K.	77.6	43.6	300	279	h.	m.	h.	m.	h.	m.	
E.				A.	70.6	37.9	295	76	5	9	12	2	18	55	
				E.	—	—	95	82	5	4	—	9	19	14	
	1	4.4	0.52	13	F.	69.0	46.9	95	81	5	13	—	14	19	14
	2	4.8	0.60	15	V.	70.2	46.0	95	81	5	30	—	21	19	11
	3	5.3	0.48	12				95	81	5	49	—	42	19	36
W.	4	4.7	0.51	13											
	5	5.5	0.57	15											
					K.	84.4	41.7	302	278	5	11	12	2	18	52
	6	4.7	0.94	24	A.	67.0	36.7	296	76	5	6	—	9	19	12
	7	4.6	0.70	18	E.	—	—	91	76	5	14	—	13	19	11
S.	8	5.3	0.71	18	F.	70.2	44.1	95	80	5	32	—	21	19	10
	9	4.0	0.78	20	V.	71.1	44.8	95	80	5	50	—	42	19	34
	10	4.7	0.71	18											
					K.	84.4	40.5	306	278	5	13	12	1	18	49
	11	6.4	0.56	14	A.	68.3	33.0	299	74	5	8	—	9	19	9
				E.	—	—	92	74	5	17	—	13	19	9	
				F.	70.0	47.2	95	81	5	34	—	21	19	8	
				V.	67.7	42.9	93	79	5	52	—	41	19	31	
					K.	80.9	36.9	306	276	5	15	12	1	18	47
				A.	70.4	34.0	300	74	5	10	—	8	19	6	
				E.	—	—	290	80	5	19	—	13	19	7	
				F.	71.0	46.0	95	81	5	34	—	20	19	5	
				V.	70.6	46.3	98	81	5	54	—	41	19	28	
N.	Mean Temperature.			°F.	°A.										
	0	53.2	285	K.	77.5	40.8	306	277	5	17	12	1	18	45	
				A.	67.6	36.3	297	75	5	12	—	8	19	4	
				E.	—	—	92	78	5	20	—	13	19	4	
				F.	70.1	46.7	97	81	5	36	—	20	19	3	
E.				V.	68.3	40.9	93	78	5	56	—	41	19	26	
	1	54.2	285												
	2	55.9	286												
	3	57.7	287												
	4	56.5	287	K.	81.1	44.7	302	279	5	18	12	0	18	43	
W.	5	58.8	288	A.	78.4	36.7	299	75	5	14	—	8	19	1	
				E.	—	—	93	76	5	22	—	12	19	1	
				F.	69.7	44.9	95	80	5	37	—	20	19	1	
	6	54.8	286	V.	72.2	43.9	95	80	5	57	—	40	19	24	
	7	56.3	287												
S.	8	57.5	287												
	9	55.2	286												
	10	56.4	287												
				K.	84.0	41.9	302	279	5	19	12	0	18	41	
	11	60.1	289	A.	72.5	36.6	296	74	5	16	—	8	18	58	
				E.	—	—	90	75	5	24	—	12	18	59	
				F.	70.4	46.0	94	81	5	39	—	19	18	58	
				V.	74.1	42.9	96	79	5	58	—	40	19	22	

29TH AUGUST TO 4TH SEPTEMBER, 1915.	
Historical Notes.	Diary.
SUNDAY, 29th AUGUST.	W.W.R. stations. *241. Post Day.
MONDAY, 30th AUGUST. 55 B.C. Violent gale. Great damage to Julius Caesar's Fleet. (Date calculated by Halley.)—(LOWE.)	242. Anemo. stations. Post Day. Baro. stations. Post Day. M.O. Geophysical Journal. June Copy day.
TUESDAY, 31st AUGUST. 1848. Publication in the "Daily News" of the earliest known telegraphic Daily Weather Report. (Q.J.)	*243. Obs.—Close Journal, 42.
WEDNESDAY, 1st SEPTEMBER. <i>Q 14h 57m</i>	244. Sunshine stations. Equinoctial Cards (straight) to be used to-day and until 12th October.
THURSDAY, 2nd SEPTEMBER. 1859. Magnetic Storm.	*245. Balloon Day. Obs.—Met. work despatch day.
FRIDAY, 3rd SEPTEMBER. 1860. First Telegraphic Daily Weather Report prepared at the Meteorological Department.	246.
SATURDAY, 4th SEPTEMBER.	*247. Observatories.— Close Journal, 43. Send curves and tabulations to complete month. Climatological stations. Schedule day.

SECOND WEEK OF AUTUMN.				YEAR XXXVIII.				WEEK No. 36.							
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*											
				Extremes of Temperature.				Sun.							
		Daily Sunshine and Weekly Rainfall.		1871-1900.		1871-1914.		Rises.		Noon.		Sets.			
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.							
0	3.6	0.91	23	K.	84.2	39.7	302	277	5	21	12	0	18	39	
E.				A.	76.2	41.0	298	76	5	18	-	7	18	56	
	1	4.2	0.44	11	E.	—	—	90	78	5	26	-	12	18	56
	2	4.8	0.46	12	F.	69.2	46.2	96	81	5	41	-	19	18	56
	3	5.2	0.39	10	V.	75.0	41.8	97	78	6	0	-	40	19	19
	4	4.7	0.40	10											
W.	5	5.4	0.44	11	K.	78.3	40.5	301	278	5	22	11	59	18	36
				A.	70.6	39.0	296	77	5	20	12	7	18	53	
	6	4.5	0.78	20	E.	—	—	92	78	5	28	-	11	18	54
	7	4.6	0.57	14	F.	71.9	46.0	95	81	5	43	-	19	18	54
	8	5.1	0.57	14	V.	70.9	41.3	95	78	6	1	-	39	19	17
S.	9	4.0	0.61	15											
	10	4.7	0.60	15	K.	85.9	44.2	304	280	5	24	11	59	18	34
				A.	73.3	38.2	296	76	5	23	12	7	18	51	
	11	6.5	0.48	12	E.	—	—	94	76	5	30	-	11	18	52
				F.	71.2	48.3	95	82	5	44	-	18	18	52	
				V.	68.3	40.7	93	78	6	3	-	39	19	15	
				K.	88.3	41.3	304	278	5	26	11	59	18	32	
				A.	72.9	38.0	296	76	5	24	12	6	18	48	
				E.	—	—	94	73	5	32	-	11	18	49	
				F.	71.0	46.4	96	81	5	46	-	18	18	50	
				V.	68.3	45.6	96	81	6	5	-	39	19	13	
N.	Mean Temperature.			°F.		°A.									
	0	52.6	284	K.	80.8	40.0	300	277	5	27	11	58	18	29	
				A.	68.0	35.3	293	75	5	27	12	6	18	45	
	E.			E.	—	—	91	74	5	33	-	10	18	46	
		1	53.2	285	F.	69.5	46.1	94	80	5	48	-	18	18	48
2		55.0	286	V.	68.0	40.5	96	78	6	6	-	38	19	10	
W.	3	56.8	287												
	4	55.7	286	K.	78.0	42.8	299	279	5	29	11	58	18	27	
	5	58.0	287	A.	72.9	37.0	96	76	5	29	12	6	18	42	
				E.	—	—	95	75	5	36	-	10	18	44	
	6	53.8	285	F.	68.2	44.9	93	80	5	48	-	17	18	45	
S.	7	55.7	286	V.	67.6	40.4	93	78	6	8	-	38	19	8	
	8	56.9	287												
	9	54.7	286	K.	76.3	42.0	301	279	5	31	11	58	18	25	
	10	55.9	286	A.	67.4	38.7	293	77	5	31	12	5	18	39	
				E.	—	—	92	75	5	38	-	10	18	42	
				F.	70.9	46.9	95	81	5	50	-	17	18	43	
				V.	71.7	45.6	95	79	6	10	-	38	19	6	

5TH SEPTEMBER TO 11TH SEPTEMBER, 1915.	
Historical Notes.	Diary.
SUNDAY, 5th SEPTEMBER. 1862. Mr. Glaisher and Mr. Coxwell ascended in a balloon from Wolverhampton to an altitude estimated at 7 miles above the earth.	248. W.W.R. stations. Post Day.
MONDAY, 6th SEPTEMBER.	*249. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 7th SEPTEMBER.	250.
WEDNESDAY, 8th SEPTEMBER.	*251.
THURSDAY, 9th SEPTEMBER. 1862. 532	252. Obs.—Met. work despatch day.
FRIDAY, 10th SEPTEMBER. 1903. Beginning of two days' Circular Storm: wind velocity 28.6 m. | s. (64 ml. | hr.), Scilly.	*253. H.D.I.
SATURDAY, 11th SEPTEMBER. 1903. End of two days' Circular Storm.	254. Obs.—Close Journal, 44.

THIRD WEEK OF AUTUMN.				YEAR XXXVIII.				WEEK No. 37.			
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*							
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.			
				1871-1900.		1871-1914.		Rises. Noon. Sets.			
N.	Sun. hrs.	Rain. in. mm.	°F.		°A.		G.M.T.				
0	3·3	1·06 27	K. 78·3 41·4	302 278	h. m. h. m. h. m.	5 32 11 57 18 22					
E.			A. 76·7 34·2	298 74	5 33 12 5 18 36						
			E. — —	87 76	5 39 — 9 18 39						
	1	3·8 0·54 14	F. 68·9 45·0	94 80	5 52 — 17 18 41						
	2	4·3 0·35 9	V. 70·5 41·7	94 78	6 11 — 37 19 4						
	3	4·9 0·42 11									
W.	4	4·3 0·44 11									
	5	5·0 0·47 12									
			K. 78·5 40·5	299 276	5 34 11 57 18 20						
	6	4·1 0·93 24	A. 66·0 41·0	92 77	5 35 12 4 18 33						
	7	4·2 0·66 17	E. — —	89 75	5 41 — 9 18 36						
S.	8	4·7 0·69 18	F. 67·4 46·4	93 80	5 53 — 16 18 38						
	9	3·7 0·69 18	V. 72·3 41·9	95 78	6 13 — 37 19 1						
	10	4·4 0·64 16									
			K. 75·1 39·9	297 277	5 36 11 57 18 18						
	11	6·0 0·58 15	A. 68·0 39·7	93 77	5 37 12 4 18 31						
		E. — —	90 77	5 43 — 9 18 34							
		F. 69·8 45·6	94 81	5 55 — 16 18 37							
		V. 72·1 43·0	95 76	6 15 — 37 18 59							
			K. 79·3 35·5	299 275	5 37 11 56 18 15						
			A. 69·3 38·7	94 74	5 39 12 4 18 28						
			E. — —	89 77	5 45 — 8 18 31						
			F. 68·9 47·3	94 80	5 56 — 16 18 35						
			V. 69·3 45·3	94 77	6 16 — 36 18 57						
N.		Mean Temperature.									
		°F. °A.	K. 83·2 37·0	301 276	5 39 11 56 18 13						
	0	51·2 284	A. 66·5 38·2	293 76	5 40 12 3 18 25						
			E. — —	89 76	5 47 — 8 18 27						
	E.			F. 69·2 48·9	94 81	5 57 — 15 18 32					
1		51·7 284	V. 70·5 44·0	94 80	6 18 — 36 18 54						
2		53·9 285									
3		55·6 286									
4		54·4 285									
W.	5	56·8 287	K. 86·4 34·7	303 275	5 40 11 56 18 11						
			A. 67·1 34·6	293 74	5 43 12 3 18 23						
			E. — —	90 75	5 48 — 7 18 25						
	6	52·8 285	F. 71·7 45·0	95 80	5 59 — 15 18 30						
	7	54·6 286	V. 68·1 40·3	93 78	6 19 — 36 18 52						
S.	8	55·9 286									
	9	53·6 285									
	10	54·9 286									
			K. 79·0 33·9	299 274	5·41 11 55 18 9						
	11	58·8 288	A. 66·5 35·4	94 75	5 45 12 3 18 20						
		E. — —	89 75	5 51 — 7 18 23							
		F. 69·4 42·0	94 79	6 1 — 15 18 28							
		V. 70·9 45·6	95 78	6 20 — 35 18 50							

12TH SEPTEMBER TO 18TH SEPTEMBER, 1915.	
Historical Notes.	Diary.
SUNDAY, 12th SEPTEMBER.	*255. W.W.R. stations. Post Day.
MONDAY, 13th SEPTEMBER.	256. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 14th SEPTEMBER. Alexander von Humboldt b. 1769, [d. 6 May, 1859]. 1752. "New Style" introduced in England. 14th followed 2nd September.	*257.
1914 Max hourly mean velocity Southport 29.12/5	258. WEDNESDAY, 15th SEPTEMBER. M.O.—Quarterly issue of forms.
THURSDAY, 16th SEPTEMBER. D 7h 21m 1863. First Daily Weather Map for Europe issued by Leverrier.	*259. Obs.—Met. work despatch day.
FRIDAY, 17th SEPTEMBER.	260.
SATURDAY, 18th SEPTEMBER.	*261. Obs.—Close Journal, 45.

FOURTH WEEK OF AUTUMN.				YEAR XXXVIII. WEEK No. 38.			
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*			
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.		Sun.	
				1871-1900.	1871-1914.	Rises.	Noon. Sets.
N.	Sun. hrs.	Rain. in. mm.		°F.	°A.	G.M.T.	
0	2.9	1.26 32		K. 77.3 38.8	298 276	5 43	11 55 18 7
E.				A. 63.4 38.4	93 75	5 47	12 2 18 17
1	3.4	0.67 17		E. — —	89 75	5 53	— 7 18 21
2	3.9	0.40 10		F. 66.0 45.6	92 81	6 2	— 14 18 26
3	4.4	0.53 13		V. 68.2 47.0	93 81	6 22	— 35 18 48
4	3.9	0.54 14					
5	4.5	0.62 16					
W.				K. 72.0 40.2	297 278	5 45	11 54 18 4
6	3.5	1.14 29		A. 67.7 36.6	93 76	5 49	12 2 18 14
7	3.7	0.82 21		E. — —	87 74	5 54	— 6 18 18
8	4.2	0.89 23		F. 66.9 46.5	92 81	6 4	— 14 18 24
9	3.4	0.87 22		V. 67.3 43.7	93 80	6 24	— 34 18 45
10	4.1	0.71 18					
S.				K. 71.3 37.9	295 276	5 47	11 54 18 1
11	5.1	0.77 20		A. 63.3 31.4	90 73	5 51	12 2 18 12
				E. — —	90 72	5 56	— 6 18 16
				F. 65.8 45.1	92 80	6 5	— 13 18 21
				V. 65.3 39.0	92 77	6 27	— 34 18 42
				K. 70.9 36.4	296 275	5 48	11 54 17 59
				A. 64.9 31.0	91 72	5 53	12 1 18 9
				E. — —	88 70	5 58	— 6 18 13
				F. 68.8 43.3	93 78	6 7	— 13 18 19
				V. 65.1 40.2	91 78	6 28	— 34 18 40
				K. 75.3 35.0	297 275	5 49	11 53 17 57
N.				A. 60.6 34.9	92 75	5 55	12 1 18 6
0	49.7	283		E. — —	86 75	6 0	— 5 18 10
E.				F. 66.9 43.7	92 80	6 9	— 13 18 17
1	50.1	283		V. 67.5 42.9	93 79	6 29	— 33 18 37
2	52.3	284					
3	53.6	285					
4	52.4	284					
5	55.0	286					
W.				K. 80.2 37.0	300 276	5 51	11 53 17 55
6	51.5	284		A. 65.9 33.7	292 74	5 58	12 1 18 4
7	52.9	285		E. — —	93 76	6 2	— 5 18 7
8	54.3	285		F. 66.6 45.2	92 80	6 9	— 12 18 14
9	52.1	284		V. 65.8 39.0	92 77	6 31	— 33 18 35
10	53.5	285					
S.				K. 76.9 34.5	298 274	5 53	11 53 17 53
11	57.5	287		A. 71.7 34.6	95 74	5 59	12 0 18 1
				E. — —	90 76	6 4	— 5 18 5
				F. 65.1 43.5	91 79	6 11	— 12 18 12
				V. 65.6 42.8	92 78	6 33	— 33 18 33

19TH SEPTEMBER TO 25TH SEPTEMBER, 1915.	
Historical Notes.	Diary.
SUNDAY, 19th SEPTEMBER.	262. W.W.R. stations. Post Day.
MONDAY, 20th SEPTEMBER.	*263. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 21st SEPTEMBER. St. Matthew.	264.
WEDNESDAY, 22nd SEPTEMBER. 1885. Bar. 27.135 in. (917 mb.), at False Point, Orissa [reduced to sea level and temp. 32° F.] —(Q.J.)	*265.
THURSDAY, 23rd SEPTEMBER. <i>O 9h 35m</i> James Horsburgh b. 1762, [d. 14 May, 1836].	266. Obs.—Met. work despatch day.
FRIDAY, 24th SEPTEMBER.	*267. H.D.I.
SATURDAY, 25th SEPTEMBER. 1909. Magnetic Storm. 1905. Barometer 27.171 in. (918 mb.), on board s.s. "Pathfinder" 12° 10' N., 125° 31' E.— (Q.J. 1909)	268. Obs.—Close Journal, 46.

FIFTH WEEK OF AUTUMN.				YEAR XXXVIII.				WEEK No. 39.			
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*							
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.			
				1871-1900.		1871-1914.		Rises. Noon. Sets			
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.			
0	2.7	1.37	35	K.	79.4	35.6	299	275	h. m.	h. m.	h. m.
E.				A.	70.6	32.5	94	73	5 54	11 52	17 50
				E.	—	—	89	74	6 2	12 0	17 58
	1	3.2	0.76	F.	68.1	39.1	93	77	6 6	— 4	18 2
	2	3.6	0.53	V.	69.2	42.9	94	79	6 13	— 12	18 10
	3	3.9	0.58						6 34	— 32	18 30
W.	4	3.5	0.62	K.	78.6	33.8	299	274	5 56	11 52	17 48
	5	3.9	0.70	F.	70.5	34.3	94	74	6 4	12 0	17 56
				E.	—	—	93	74	6 8	— 4	18 0
	6	3.2	1.20	A.	70.1	36.0	94	75	6 14	— 11	18 8
	7	3.2	0.93	V.	63.7	40.1	91	78	6 36	— 32	18 28
S.	8	3.8	1.00	K.	75.7	35.3	297	275	5 57	11 52	17 46
	9	3.0	0.92	A.	63.0	30.4	92	72	6 5	— 59	17 53
	10	3.8	0.78	E.	—	—	94	76	6 10	12 4	17 57
				F.	69.0	41.9	94	79	6 16	— 11	18 6
	11	4.5	0.85	V.	74.7	43.7	97	80	6 37	— 32	18 26
				K.	73.3	32.9	296	274	5 59	11 51	17 43
				A.	62.6	35.9	90	75	6 8	— 59	17 50
				E.	—	—	89	72	6 12	12 3	17 55
				F.	69.7	39.5	94	77	6 18	— 11	18 4
				V.	69.0	41.6	94	78	6 39	— 31	18 23
N.	Mean Temperature,			K.	74.9	35.4	297	275	6 1	11 51	17 41
		°F.	°A.	A.	66.7	31.2	94	73	6 10	— 59	17 47
	0	48.1	282	E.	—	—	88	70	6 14	12 3	17 52
	E.			F.	66.9	42.6	92	79	6 19	— 10	18 1
		1	48.5	282	V.	65.9	36.3	92	75	6 41	— 31	18 21
2		50.4	283								
W.	3	51.5	284	K.	74.9	35.4	297	275	6 3	11 51	17 39
	4	50.3	283	A.	63.0	34.0	95	74	6 12	— 58	17 44
	5	52.9	285	E.	—	—	87	74	6 16	12 3	17 50
	6	49.9	283	F.	67.0	42.3	92	79	6 20	— 10	17 59
	7	51.1	284	V.	65.6	43.0	92	79	6 43	— 31	18 19
S.	8	52.4	284	K.	68.7	35.0	298	275	6 4	11 50	17 36
	9	50.3	283	A.	69.3	34.0	95	74	6 14	— 58	17 41
	10	51.6	284	E.	—	—	87	73	6 17	12 2	17 47
				F.	62.7	40.0	91	77	6 22	— 10	17 57
	11	55.7	286	V.	63.9	38.8	91	77	6 44	— 30	18 16

26TH SEPTEMBER TO 2ND OCTOBER, 1915.	
Historical Notes.	Diary.
SUNDAY, 26th SEPTEMBER.	*269. W.W.R. stations. Post Day.
MONDAY, 27th SEPTEMBER.	270. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 28th SEPTEMBER.	*271.
WEDNESDAY, 29th SEPTEMBER. Michaelmas.	272.
THURSDAY, 30th SEPTEMBER. 1867. First Thermograph record from Kew.	*273. Observatories— Close Journal, 47. Met. work despatch day. Elect. work, 2nd Quarter day. M.O.—Geophysical Journal, July Copy day.
FRIDAY, 1st OCTOBER. <i>Ugh. 44m</i> 1904. Ben Nevis Observatory closed.	274.
SATURDAY, 2nd OCTOBER.	*275. Obs.—Close Journal, 48.

SIXTH WEEK OF AUTUMN.				YEAR XXXVIII.				WEEK No. 40.			
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*							
				Extremes of Temperature.				Sun.			
		Daily Sunshine and Weekly Rainfall.		1871-1900.		1871-1913.		Rises.	Noon.	Sets	
N.	Sun. hrs.	Rain. in. mm.	°F.		A.		G.M.T.				
0	2.5	1.25	32	K. 71.7	28.1	297	271	6 5	11 50	17 34	
E.				A. 64.6	35.3	96	74	6 16	- 58	17 39	
				E. —	—	85	69	6 19	12 2	17 44	
	1	3.0	0.74	19	F. 64.0	40.4	91	78	6 23	- 9	17 55
	2	3.3	0.66	17	V. 63.4	37.6	95	75	6 45	- 30	18 14
	3	3.6	0.63	16							
4	3.2	0.67	17								
5	3.6	0.72	18								
W.				K. 76.7	32.9	298	274	6 8	11 50	17 32	
				A. 66.3	32.0	95	73	6 18	- 57	17 36	
				E. —	—	86	67	6 21	12 2	17 42	
	6	2.9	1.11	28	F. 63.7	41.2	91	77	6 25	- 9	17 53
	7	2.9	0.93	24	V. 64.9	39.8	92	75	6 47	- 30	18 12
8	3.5	1.03	26								
9	2.9	0.88	22								
10	3.5	0.87	22								
S.				K. 75.3	31.1	297	272	6 10	11 50	17 30	
				A. 63.3	32.7	93	73	6 20	- 57	17 33	
				E. —	—	83	75	6 23	12 1	17 39	
				F. 63.4	39.7	90	77	6 27	- 9	17 51	
	11	4.2	0.88	22	V. 63.9	38.0	93	76	6 49	- 30	18 10
				K. 69.0	30.9	294	272	6 11	11 49	17 27	
				A. 62.5	34.4	92	74	6 22	- 57	17 31	
				E. —	—	85	74	6 25	12 1	17 37	
				F. 63.7	40.2	91	78	6 29	- 9	17 49	
				V. 64.4	33.0	91	74	6 51	- 29	18 7	
N.	Mean Temperature.										
		°F.	°A.	K. 66.4	30.0	292	272	6 13	11 49	17 25	
	0	46.7	281	A. 70.3	35.3	94	75	6 24	- 56	17 29	
				E. —	—	86	74	6 27	12 1	17 34	
				F. 64.8	42.1	91	79	6 30	- 8	17 46	
E.				V. 64.6	37.3	91	76	6 53	- 29	18 5	
	1	46.9	281								
	2	48.8	282								
	3	49.8	283								
	4	48.6	282								
5	51.1	284									
W.				K. 70.1	29.0	294	271	6 15	11 49	17 23	
				A. 71.0	34.9	95	73	6 27	- 56	17 26	
				E. —	—	86	72	6 29	12 1	17 32	
				F. 64.0	42.5	91	79	6 31	- 8	17 44	
	6	48.3	282	V. 61.9	35.6	90	75	6 55	- 29	18 3	
7	49.6	283									
8	50.9	284									
9	48.7	282									
10	50.1	283									
S.				K. 69.1	32.0	294	273	6 16	11 48	17 20	
				A. 65.0	33.2	91	74	6 29	- 56	17 23	
				E. —	—	87	74	6 31	12 0	17 29	
				F. 62.6	43.6	90	79	6 33	- 8	17 42	
	11	54.3	285	V. 61.4	40.2	89	78	6 56	- 28	18 0	

3RD OCTOBER TO 9TH OCTOBER, 1915.	
Historical Notes.	Diary.
SUNDAY, 3rd OCTOBER.	276. W.W.R. stations. Post Day.
MONDAY, 4th OCTOBER. 1689. At Bungay, Suffolk, rain began towards night and continued without intermission (except a few hours on the 6th) till the 10th at noon.—(LOWE.)	*277. Anemo stations. Post Day. Baro. stations. Post Day. Climatological stations. Schedule day.
TUESDAY, 5th OCTOBER. 1091. S.W. gale over most of England. In London 500 houses were destroyed.—(LOWE.)	278. Obs.—Send curves and tabulations to complete month.
WEDNESDAY, 6th OCTOBER. Heinrich Wilhelm Dove b. 1803, [d. 4 Apr. 1879]. 1863. Hereford earthquake. (Q.J.)	*279.
THURSDAY, 7th OCTOBER.	280. Balloon Day. Obs.—Met. work despatch day.
FRIDAY, 8th OCTOBER. 21h. 42m	*281. H.D.I.
SATURDAY, 9th OCTOBER.	282. Obs.—Close Journal, 49.

SEVENTH WEEK OF AUTUMN.				YEAR XXXVIII.				WEEK No. 41.						
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*										
				Extremes of Temperature.				Sun.						
		Daily Sunshine and Weekly Rainfall.		1871-1900.		1871-1913.		Rises.		Noon.		Sets		
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.						
0	2.5	1.10	28	K.	64.0	31.4	291	273	h. m.	h. m.	h. m.	h. m.	h. m.	
E.				A.	68.0	33.8	93	73	6 18	11 48	17 18	17 18		
	1	2.8	0.66	17	E.	—	—	88	72	6 31	—	56	17 20	
	2	3.0	0.74	19	F.	61.6	40.5	90	78	6 33	12 0	17 27	17 27	
	3	3.3	0.65	17	V.	61.5	37.7	89	76	6 35	—	7	17 40	
	4	3.0	0.66	17						6 58	—	28	17 58	
W.	5	3.4	0.73	19										
					K.	64.6	33.4	294	274	6 20	11 48	17 16	17 16	
	6	2.7	1.02	26	A.	59.0	32.9	88	74	6 33	—	55	17 17	
	7	2.7	0.86	22	E.	—	—	85	70	6 35	12 0	17 24	17 24	
	8	3.3	1.01	26	F.	64.0	35.0	91	75	6 36	—	7	17 38	
S.	9	3.0	0.81	21	V.	62.5	35.0	90	75	7 0	—	28	17 55	
	10	3.3	0.88	22										
					K.	63.9	30.1	292	272	6 22	11 48	17 14	17 14	
	11	4.0	0.92	23	A.	65.3	31.0	92	72	6 35	—	55	17 14	
					E.	—	—	86	72	6 37	—	59	17 21	
					F.	61.7	35.8	90	75	6 38	12 7	17 36	17 36	
					V.	62.2	40.7	90	78	7 2	—	28	17 53	
					K.	65.5	28.2	292	271	6 23	11 47	17 11	17 11	
					A.	59.4	32.7	88	73	6 38	—	55	17 12	
					E.	—	—	86	73	6 39	—	59	17 19	
					F.	61.1	36.8	90	76	6 39	12 7	17 34	17 34	
					V.	61.4	39.0	90	77	7 4	—	27	17 50	
N.	Mean Temperature.			°F.		°A.								
0	45.6	281		K.	65.0	30.2	291	272	6 25	11 47	17 9	17 9		
E.				A.	59.9	33.9	89	74	6 40	—	55	17 9		
	1	45.4	280	E.	—	—	86	76	6 41	—	59	17 16		
	2	47.5	282	F.	62.6	39.5	90	77	6 40	12 6	17 32	17 32		
	3	48.3	282	V.	60.4	37.3	89	76	7 6	—	27	17 48		
	4	47.2	281											
W.	5	49.7	283											
				K.	64.2	30.8	294	272	6 27	11 47	17 7	17 7		
	6	47.1	281	A.	60.1	32.3	89	73	6 42	—	54	17 6		
	7	48.3	282	E.	—	—	86	75	6 43	—	59	17 14		
	8	49.7	283	F.	63.7	35.0	91	75	6 42	12 6	17 30	17 30		
S.	9	47.5	282	V.	61.4	38.4	90	77	7 8	—	27	17 46		
	10	48.9	282											
				K.	65.3	30.0	292	272	6 28	11 47	17 5	17 5		
	11	53.2	285	A.	60.7	31.7	89	73	6 44	—	54	17 3		
				E.	—	—	84	76	6 45	—	59	17 12		
				F.	62.8	37.3	90	76	6 44	12 6	17 28	17 28		
				V.	61.1	38.1	90	76	7 9	—	27	17 44		

10TH OCTOBER TO 16TH OCTOBER, 1915.	
Historical Notes.	Diary.
SUNDAY, 10th OCTOBER. Buys Ballot b. 1817, [d. 3rd Feb., 1890].	*283. W.W.R. stations. Post Day.
MONDAY, 11th OCTOBER.	284. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 12th OCTOBER. <i>2.10</i>	*285. <i>Advisory Committee for Aeronautics</i>
WEDNESDAY, 13th OCTOBER. 1881. Two days' gale over British Isles began. <i>3.10</i>	286. Sunshine stations. Winter cards to be used to-day and until 29th Feb., 1916.
THURSDAY, 14th OCTOBER. Sir Edward Sabine b. 1788 [d. 26th June, 1883]. 1881. Gale ended. Greatest hourly wind velocity 23.3 m. | s. (52 ml. | hr.), Holyhead.	*287. Obs.—Met. work despatch day.
FRIDAY, 15th OCTOBER. <i>D 13.52m</i> 1582. New Style introduced in Rome, Spain, Portugal, and part of Italy by Pope Gregory XIII. when the 15th October followed the 5th.	288. S.
SATURDAY, 16th OCTOBER. 1906. Daily telegraphic reports first received at the Office from Iceland and the Faroe Is.	*289. Obs.—Close Journal, 50.

EIGHTH WEEK OF AUTUMN.				YEAR XXXVIII.				WEEK No. 42.				
Dist.		Normals, 1881-1905, for Districts.			Notes for Observatories.*							
					Extremes of Temperature.				Sun.			
		Daily Sunshine and Weekly Rainfall.			1871-1900.		1871-1913.		Rises.	Noon.	Sets.	
N.	Sun.		Rain.	°F.		°A.		G.M.T.				
	hrs.	in.	mm.	K.	69.1	25.4	294	269	h. m.	h. m.	h. m.	
0	2.3	1.19	30	A.	60.2	32.0	90	73	6 29	11 46	17 3	
E.				E.	—	—	86	75	6 46	— 54	17 1	
	1	2.6	0.68	17	F.	61.5	38.7	89	76	6 47	— 58	17 9
	2	2.7	0.73	19	V.	59.6	36.0	89	74	6 46	12 6	17 26
	3	3.0	0.62	16					7 10	— 26	17 42	
	4	2.6	0.65	17								
W.	5	3.0	0.77	20								
				K.	65.4	29.0	292	271	6 31	11 46	17 1	
	6	2.5	1.11	28	A.	58.3	32.9	89	73	6 49	— 54	16 59
	7	2.5	0.86	22	E.	—	—	87	73	6 49	— 58	17 7
	8	2.9	1.03	26	F.	60.0	36.6	89	76	6 48	12 6	17 24
	9	2.8	0.85	22	V.	62.9	31.6	90	73	7 12	— 26	17 40
S.	10	3.0	0.89	23								
				K.	65.5	29.8	292	272	6 32	11 46	17 0	
	11	3.5	0.92	23	A.	63.9	29.6	91	72	6 51	— 54	16 56
				E.	—	—	89	76	6 51	— 58	17 4	
				F.	60.2	37.2	90	76	6 49	12 5	17 21	
			V.	62.0	29.8	90	72	7 13	— 26	17 38		
				K.	59.9	32.8	291	273	6 34	11 46	16 58	
				A.	60.7	28.3	89	71	6 53	— 53	16 53	
				E.	—	—	86	73	6 53	— 58	17 2	
				F.	59.8	37.6	89	75	6 51	12 5	17 19	
				V.	62.6	34.9	90	75	7 15	— 26	17 36	
N.	Mean Temperature.			°F.		°A.						
				K.	64.9	31.3	292	272	6 36	11 46	16 56	
E.	0	44.9	280	A.	60.7	32.7	89	71	6 55	— 53	16 51	
				E.	—	—	86	72	6 55	— 58	17 0	
	1	43.9	280	F.	62.2	38.6	90	76	6 52	12 5	17 17	
	2	46.4	281	V.	60.5	35.7	89	75	7 17	— 26	17 34	
	3	47.1	281									
	4	46.1	281									
W.	5	48.6	282	K.	63.9	27.4	292	270	6 38	11 46	16 53	
				A.	60.2	30.0	89	72	6 57	— 53	16 48	
	6	46.1	281	E.	—	—	84	73	6 57	— 57	16 57	
	7	47.2	281	F.	60.4	37.0	89	76	6 54	12 5	17 15	
	8	48.8	282	V.	60.1	36.0	89	75	7 19	— 26	17 32	
	9	46.6	281									
S.	10	48.1	282	K.	62.1	29.2	290	271	6 40	11 45	16 50	
				A.	58.8	27.8	88	71	7 0	— 53	16 46	
	11	52.3	284	E.	—	—	84	66	6 59	— 57	16 54	
				F.	60.8	32.9	89	74	6 56	12 5	17 13	
				V.	58.6	33.4	88	74	7 21	— 25	17 30	

17TH OCTOBER TO 23RD OCTOBER, 1915.	
Historical Notes.	Diary.
SUNDAY, 17th OCTOBER. 1883. Ben Nevis Observatory opened.	W.W.R. stations. 290. Post Day.
MONDAY, 18th OCTOBER. St. Luke.	*291. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 19th OCTOBER.	292.
WEDNESDAY, 20th OCTOBER.	*293.
THURSDAY, 21st OCTOBER.	294. Obs.—Met. work despatch day.
FRIDAY, 22nd OCTOBER. Henry Toynbee b. 1819, [d. 29th March, 1909].	*295. H.D.I.
SATURDAY, 23rd OCTOBER. <i>O 12h 16m</i> Greatest hourly wind velocity of 1909, 31.3 m. | s. (70 ml. | hr.), strongest gust, 40.2 m. | s. (90 ml. | hr.), Scilly.	296. Obs.—Close Journal, 51.

NINTH WEEK OF AUTUMN.				YEAR XXXVIII.				WEEK No. 43.								
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*												
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.								
				1871-1900.		1871-1913.		Rises.		Noon.		Sets.				
N.	Sun. hrs.	Rain. ins.	mm.	°F.		°A.		G.M.T.								
0	1.8	1.29	33	K.	59.7	28.6	290	271	h.	m.	h.	m.	h.	m.		
E.				A.	57.6	31.5	87	72	6	42	11	45	16	48		
	1	2.1	0.76	19	E.	—	—	81	66	7	2	—	53	16	44	
	2	2.3	0.66	17	F.	59.7	32.2	88	73	7	1	—	57	16	52	
	3	2.7	0.57	14	V.	58.0	33.0	88	73	6	58	12	5	17	11	
	4	2.2	0.66	17						7	23	—	25	17	28	
W.	5	2.6	0.81	21	K.	61.2	29.7	289	272	6	43	11	45	16	46	
				A.	56.5	29.3	87	72	7	4	—	53	16	41		
	6	2.1	1.30	33	E.	—	—	83	73	7	4	—	57	16	50	
	7	2.1	0.91	23	F.	59.8	35.1	88	74	6	59	12	4	17	9	
	8	2.5	1.10	28	V.	60.0	32.9	89	74	7	24	—	25	17	26	
S.	9	2.4	0.94	24												
	10	2.6	0.97	25	K.	61.6	25.3	289	269	6	45	11	45	16	45	
				A.	60.3	29.0	89	71	7	6	—	52	16	38		
	11	3.0	0.95	24	E.	—	—	85	72	7	6	—	57	16	48	
				F.	61.3	33.1	89	74	7	0	12	4	17	7		
				V.	61.3	34.0	89	74	7	26	—	25	17	24		
				K.	66.9	28.1	292	271	6	47	11	45	16	43		
				A.	62.4	30.0	90	72	7	8	—	52	16	35		
				E.	—	—	85	74	7	8	—	57	16	46		
				F.	62.1	35.7	90	75	7	2	12	4	17	5		
				V.	61.4	33.1	89	74	7	28	—	25	17	22		
N.		Mean Temperature.		K.	63.6	25.1	291	269	6	49	11	45	16	41		
	0	44.0	280	A.	59.2	30.6	88	72	7	11	—	52	16	33		
	E.			E.	—	—	86	67	7	10	—	57	16	44		
		1	43.2	279	F.	60.5	35.2	89	75	7	4	12	4	17	4	
		2	45.6	281	V.	60.4	31.0	89	72	7	30	—	25	17	20	
W.	3	46.3	281	K.	63.5	27.1	291	270	6	50	11	45	16	40		
	4	45.4	280	A.	58.8	31.4	88	70	7	13	—	52	16	30		
	5	48.0	282	E.	—	—	86	66	7	12	—	57	16	41		
	6	45.8	281	F.	59.0	35.0	88	75	7	6	12	4	17	2		
	7	46.6	281	V.	62.1	35.1	90	73	7	31	—	25	17	19		
S.	8	48.2	282	K.	62.1	26.4	291	270	6	52	11	45	16	38		
	9	46.1	281	A.	57.4	32.0	87	72	7	15	—	52	16	28		
	10	47.6	282	E.	—	—	85	76	7	14	—	57	16	39		
				F.	59.1	34.5	88	74	7	7	12	4	17	0		
	11	51.6	284	V.	59.3	32.9	88	74	7	33	—	25	17	17		

24TH OCTOBER TO 30TH OCTOBER, 1915.	
Historical Notes.	Diary.
Last week of Wheat-growing period Western Australia. (Meteorological Map, Western Australia 1908.)	
SUNDAY, 24th OCTOBER.	*297. W.W.R. stations. Post Day.
MONDAY, 25th OCTOBER. 1665. Great gale in London [see 26th]. 1859. 25th-26th, "Royal Charter" storm, Irish Sea.	298. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion 17 h.
TUESDAY, 26th OCTOBER. 1665. "In the evening [bar. in London] very near at 27½ ins., wind quiet."— <i>Phil. Trans.</i> In the morning it had been 28 ins. and on the day before 28½ ins. in the morning, with much rain and a great storm. "At Bristol [bar.] in the evening remarkably low, only 27½ ins.; 25th, a.m., 28½, 26th, a.m., 28 ins. (sea level)."—DR. BEAL. (LOWE.)	*299. 300.
WEDNESDAY, 27th OCTOBER. 1913. Tornadoes in South Wales and Shropshire. (G.M.)	<i>Meteorological Committee Programme & Estimates 1915-1916</i> *301.
THURSDAY, 28th OCTOBER. St. Simon and St. Jude.	Obs.—Met. work despatch day.
FRIDAY, 29th OCTOBER. Edmund Halley b. 1656, [d. 14th Jan. 1724]. 1898. Tornado at Camberwell. (Q.J.)	302. M.O.—W.W.R. App. I. Copy day.
SATURDAY, 30th OCTOBER. 1868. Hereford earthquake. (S.M.)	*303. Obs.—Close Journal, 52. M.O.—Geophysical Journal, August Copy day. Calendar. Copy day. Circular 001. Copy day.

TENTH WEEK OF AUTUMN.				YEAR XXXVIII.				WEEK No. 44.				
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*								
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.				
				1871-1900.		1871-1913.		Rises.		Noon.		Sets.
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.				
0	1.4	1.26	32	K. 62.1	26.7	290	270	h. m.	h. m.	h. m.		
E.				A. 57.3	31.6	89	72	6 54	11 45	16 36		
				E. —	—	82	72	7 18	— 52	16 26		
	1	1.9	0.76	F. 58.9	34.8	88	75	7 17	— 57	16 37		
	2	1.9	0.58	V. 59.5	34.1	88	74	7 9	12 4	16 58		
	3	2.5	0.53					7 35	— 25	17 15		
	4	1.9	0.63									
W.	5	2.3	0.77									
				K. 61.9	28.9	290	271	6 56	11 45	16 34		
	6	1.7	1.32	A. 57.4	30.0	87	72	7 20	— 52	16 24		
	7	1.8	0.87	E. —	—	81	69	7 18	— 56	16 34		
	8	2.2	1.08	F. 59.0	34.9	88	75	7 11	12 4	16 57		
	9	2.1	0.96	V. 59.0	37.0	88	73	7 37	— 25	17 13		
S.	10	2.4	1.03									
				K. 59.6	26.4	288	270	6 58	11 45	16 32		
	11	2.7	0.99	A. 59.5	27.3	88	70	7 22	— 52	16 22		
				E. —	—	84	74	7 20	— 56	16 32		
				F. 59.1	36.3	88	75	7 13	12 4	16 55		
				V. 59.2	35.0	88	75	7 39	— 25	17 11		
				K. 61.0	31.8	289	271	7 0	11 45	16 30		
				A. 56.9	26.3	88	70	7 24	— 52	16 20		
				E. —	—	83	73	7 12	— 56	16 30		
				F. 59.0	36.0	88	75	7 14	12 4	16 54		
				V. 58.0	31.4	87	73	7 41	— 25	17 9		
N.	Mean Temperature.			K. 60.8	28.2	289	271	7 2	11 45	16 28		
	0	°F. 43.5	°A. 279	A. 56.1	31.3	86	72	7 26	— 52	16 18		
	E.			E. —	—	83	74	7 24	— 56	16 28		
		1	42.8	279	F. 59.1	36.9	88	76	7 16	12 4	16 52	
		2	44.6	280	V. 58.6	30.1	88	72	7 43	— 25	17 7	
		3	45.1	280								
W.	4	44.3	280	K. 61.5	30.6	289	271	7 4	11 45	16 26		
	5	46.9	281	A. 59.4	28.5	88	71	7 29	— 52	16 15		
				E. —	—	85	74	7 26	— 56	16 26		
	6	44.9	280	F. 58.7	37.0	88	76	7 18	12 4	16 50		
	7	45.7	281	V. 59.0	32.1	88	73	7 45	— 25	17 5		
	8	47.4	282									
S.	9	45.3	280	K. 59.4	29.0	288	271	7 6	11 45	16 25		
	10	46.8	281	A. 61.0	30.4	89	72	7 31	— 52	16 13		
				E. —	—	83	74	7 29	— 57	16 25		
				F. 57.7	37.4	87	76	7 19	12 4	16 49		
	11	50.8	283	V. 59.0	28.2	88	71	7 46	— 25	17 4		

31ST OCTOBER TO 6TH NOVEMBER, 1915.	
Historical Notes.	Diary.
	Upper Air—Short Series.
SUNDAY, 31st OCTOBER. <i>Q 42.40m</i>	304. W.W.R. stations. Post Day. Obs.—Close Journal, 53.
MONDAY, 1st NOVEMBER. All Hallows. Balfour Stewart b. 1828 [d. 19 Dec. 1887]. 1076. Frost lasted from 1st November, to 15th April, 1077.—(ANDREWS.) 1755. Great Earthquake of Lisbon.	*305. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 2nd NOVEMBER. Henry John Stephen Smith b. 1826 [d. 9 Feb. 1883].	306.
WEDNESDAY, 3rd NOVEMBER.	*307. Balloon Day.
THURSDAY, 4th NOVEMBER.	308. Balloon Day. Obs.—Met. work despatch day. Climatological stations.—Schedule day.
FRIDAY, 5th NOVEMBER. Léon Philippe Teisserenc de Bort b. 1855 [d. 2 Jan. 1913]. Strongest gust of 1911, 40.2 m. | s. (90 ml. | hr.), Eskdalemuir.	*309.
SATURDAY, 6th NOVEMBER. 1091. Flood. London Bridge swept away by the force of the waters.—(LOWE.)	310. Obs.—Close Journal, 54.

ELEVENTH WEEK OF AUTUMN.				YEAR XXXVIII.				WEEK No. 45.				
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*								
				Extremes of Temperature.				Sun.				
		Daily Sunshine and Weekly Rainfall.		1871-1900.		1871-1913.		Rises.		Noon.		Sets.
N.	Sun. hrs.	Rain. in. mm.	K.	°F.	°A.	h. m.	h. h.	m.m.				
0	1.1	1.23 31	K. 59.1	25.6	288 269	7 8	11 45	16 24				
E.			A. 60.7	30.0	89 71	7 34	- 52	16 10				
	1	1.7 0.70 18	E. —	—	85 70	7 31	- 57	16 23				
	2	1.8 0.56 14	F. 58.9	35.0	88 75	7 21	12 4	16 47				
	3	2.1 0.50 13	V. 58.7	34.0	88 73	7 47	- 25	17 3				
	4	1.7 0.55 14										
W.	5	2.0 0.66 17										
			K. 57.0	29.7	287 272	7 10	11 45	16 22				
	6	1.5 1.22 31	A. 54.6	31.1	86 72	7 36	- 52	16 8				
	7	1.6 0.80 20	E. —	—	85 69	7 33	- 57	16 21				
	8	2.1 0.94 24	F. 60.2	35.5	89 75	7 22	12 4	16 46				
S.	9	2.0 0.93 24	V. 59.4	34.1	88 73	7 49	- 25	17 1				
	10	2.3 0.99 25										
			K. 56.7	28.3	288 271	7 11	11 45	16 20				
	11	2.5 0.89 23	A. 57.0	29.1	87 71	7 38	- 52	16 6				
			E. —	—	82 72	7 35	- 57	16 19				
			F. 59.0	32.1	88 73	7 24	12 4	16 44				
			V. 61.5	29.9	89 72	7 51	- 25	16 59				
			K. 59.2	25.5	288 269	7 12	11 45	16 18				
			A. 58.4	23.6	88 68	7 40	- 52	16 4				
			E. —	—	83 72	7 37	- 57	16 17				
			F. 58.1	32.0	88 73	7 26	12 4	16 42				
			V. 59.5	35.3	88 75	7 53	- 25	16 57				
			K. 57.7	27.3	288 270	7 13	11 45	16 17				
	N. 0	Mean Temperature, °F. °A.	A. 55.9	23.0	86 68	7 42	- 52	16 2				
		42.4 279	E. —	—	82 72	7 39	- 57	16 15				
E.	1	41.6 278	F. 58.2	36.3	88 75	7 27	12 4	16 41				
	2	43.2 279	V. 59.2	34.3	88 74	7 55	- 25	16 55				
	3	43.4 279										
	4	42.7 279										
	5	45.2 280										
W.			K. 58.2	27.6	288 271	7 15	11 45	16 15				
	6	43.8 280	A. 55.6	30.4	86 72	7 45	- 53	16 0				
	7	44.2 280	E. —	—	81 74	7 41	- 57	16 13				
	8	46.0 281	F. 59.0	32.8	88 73	7 29	12 4	16 40				
	9	44.0 280	V. 57.4	33.8	87 74	7 57	- 25	16 53				
	10	45.5 281										
			K. 59.9	23.5	289 268	7 17	11 45	16 14				
			A. 56.3	28.2	87 71	7 47	- 53	15 58				
			E. —	—	83 75	7 43	- 57	16 11				
	S. 11	49.6 283	F. 58.2	36.5	88 76	7 31	12 5	16 39				
			V. 59.5	33.4	88 74	7 59	- 25	16 52				

7TH NOVEMBER TO 13TH NOVEMBER, 1915.	
Historical Notes.	Diary.
SUNDAY, 7th NOVEMBER. <i>7h. 52m</i> 1862. First Barograph record from Kew.	*311. W.W.R. stations. Post Day.
MONDAY, 8th NOVEMBER.	312. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion 17 h.
TUESDAY, 9th NOVEMBER.	*313. <i>Advisory Committee for Aeronautics</i>
WEDNESDAY, 10th NOVEMBER.	314.
THURSDAY, 11th NOVEMBER. Martinmas. 1901. Beginning of three days' slow travelling depression with heavy rainfall. (L.H.)	*315. Obs.—Met. work despatch day.
FRIDAY, 12th NOVEMBER. 1897. 8.03 in. (204 mm.) rain at Seathwaite.	316. H.D.I.
SATURDAY, 13th NOVEMBER. <i>D 232.3m</i> 1901. End of slow travelling depression. Total average rainfall, 4 in. (102 mm.).	*317. Obs.—Close Journal, 55.

TWELFTH WEEK OF AUTUMN.				YEAR XXXVIII.				WEEK No. 46.			
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*							
		Daily Sunshine and Weekly Rainfall.	Extremes of Temperature.				Sun.				
			1871-1900.		1871-1913.		Rises.	Noon.	Sets.		
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.			
0	1.0	1.28	33	K. 62.9	23.0	290	268	7 19	11 46	16 13	
E.				A. 57.5	28.6	87	71	7 49	- 53	15 56	
	1	1.5	0.64	16	E. —	—	83	73	7 45	- 57	16 9
	2	1.7	0.53	13	F. 57.4	33.9	88	73	7 33	12 5	16 37
	3	1.8	0.47	12	V. 59.3	32.2	88	72	8 1	- 26	16 51
	4	1.6	0.50	13							
W.	5	1.8	0.59	15							
	6	1.4	1.19	30	K. 59.0	24.2	288	269	7 21	11 46	16 11
	7	1.5	0.79	20	A. 53.8	26.7	85	69	7 52	- 53	15 54
	8	1.9	0.88	22	E. —	—	84	75	7 47	- 57	16 7
	9	1.7	0.90	23	F. 58.9	34.2	88	73	7 34	12 5	16 36
S.	10	2.0	0.91	23	V. 56.8	33.0	87	71	8 3	- 26	16 49
	11	2.2	0.79	20	K. 61.6	21.9	289	267	7 22	11 46	16 10
					A. 56.5	23.7	87	64	7 54	- 53	15 52
					E. —	—	83	76	7 49	- 58	16 6
				F. 60.0	32.9	89	74	7 36	12 5	16 34	
				V. 57.2	32.6	87	71	8 4	- 26	16 48	
				K. 57.2	24.9	288	267	7 24	11 46	16 8	
				A. 57.1	23.0	87	63	7 56	- 53	15 50	
				E. —	—	84	72	7 51	- 58	16 4	
				F. 57.0	35.4	87	75	7 37	12 5	16 33	
				V. 57.3	34.6	87	70	8 6	- 26	16 46	
N.	Mean Temperature.			K. 58.1	24.6	288	269	7 25	11 46	16 7	
0	41.1	278		A. 52.0	21.3	85	67	7 58	- 54	15 49	
E.				E. —	—	82	71	7 53	- 58	16 2	
	1	40.3*	278	F. 56.9	33.0	87	74	7 39	12 5	16 32	
	2	42.0	279	V. 57.3	32.3	87	73	8 7	- 26	16 45	
	3	41.8	278								
	4	41.4	278								
W.	5	43.6	279	K. 55.9	20.2	286	266	7 27	11 46	16 6	
				A. 58.4	26.0	88	70	8 0	- 54	15 48	
	6	42.7	279	E. —	—	80	71	7 55	- 58	16 1	
	7	43.0	279	F. 55.4	35.0	86	73	7 41	12 6	16 31	
	8	44.6	280	V. 56.6	32.6	87	72	8 9	- 26	16 44	
S.	9	43.1	279								
	10	44.5	280								
				K. 56.5	25.0	287	269	7 29	11 47	16 5	
	11	48.3	282	A. 56.9	19.6	87	66	8 2	- 54	15 46	
				E. —	—	82	71	7 57	- 58	15 59	
			F. 56.3	32.3	87	73	7 42	12 6	16 30		
			V. 55.4	29.7	86	72	8 11	- 27	16 43		

14TH NOVEMBER TO 20TH NOVEMBER, 1915.	
Historical Notes.	Diary.
SUNDAY, 14th NOVEMBER. 1854. Balaklava storm.	318. W.W.R. stations. Post Day.
MONDAY, 15th NOVEMBER.	*319. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 16th NOVEMBER. 1893. Beginning of five days' great storm over the British Isles: wind velocity, 21 m. | s. (47 ml. | hr.), Holyhead.	320.
WEDNESDAY, 17th NOVEMBER. Fourth Earl of Rosse b. 1840 [d. 30 Aug. 1908]. 1893. 9 p.m., wind velocity of 31.3 m. | s. (70 ml. | hr.), Deerness.	*321.
THURSDAY, 18th NOVEMBER. 1893. Wind velocity of 29.5 m. | s. (66 ml. | hr.), Fleetwood.	322. Obs.—Met. work despatch day.
FRIDAY, 19th NOVEMBER. 1893. Wind velocity of 22.8 m. | s. (51 ml. | hr.), Holyhead.	*323.
SATURDAY, 20th NOVEMBER. 1893. Wind velocity of 21 m. | s. (47 ml. | hr.), Yarmouth.	324. Obs.—Close Journal, 56.

THIRTEENTH WEEK OF AUTUMN.				YEAR XXXVIII.				WEEK No. 47.						
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*										
				Extremes of Temperature.				Sun.						
		Daily Sunshine and Weekly Rainfall.		1871-1900.		1871-1913.		Rises.		Noon.		Sets.		
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.						
0	0.9	1.41	36	K.	54.0	27.0	286	270	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
E.				A.	53.0	14.2	85	63	7 30	11 47	16 4	15 44	15 44	15 44
	1	1.3	0.69	18	E.	—	—	83	70	8 4	— 54	15 14	15 44	15 58
	2	1.5	0.49	12	F.	58.2	31.0	88	72	7 59	— 59	15 58	15 58	16 28
	3	1.5	0.50	13	V.	56.9	29.1	87	71	7 44	12 6	16 28	16 28	16 42
	4	1.4	0.53	13						8 12	— 27	16 42	16 42	
W.	5	1.6	0.64	16	K.	58.3	25.2	288	268	7 32	11 47	16 2	15 43	15 43
	6	1.2	1.25	32	A.	56.9	28.6	87	70	8 7	— 55	15 43	15 43	15 57
	7	1.3	0.86	22	E.	—	—	82	70	8 1	— 59	15 57	15 57	16 27
	8	1.7	1.00	25	F.	57.3	33.6	87	74	7 45	12 6	16 27	16 27	16 40
	9	1.5	0.87	22	V.	54.9	30.9	86	72	8 14	— 27	16 40	16 40	
S.	10	1.8	0.92	23	K.	58.3	25.6	288	269	7 33	11 47	16 1	15 41	15 41
				A.	57.1	29.6	87	69	8 9	— 55	15 41	15 41	15 56	15 56
	11	2.0	0.90	23	E.	—	—	83	72	8 2	— 59	15 56	15 56	16 26
				F.	55.8	33.0	86	73	7 47	12 7	16 26	16 26	16 39	16 39
				V.	55.4	32.7	86	73	8 15	— 27	16 39	16 39		
				K.	55.0	26.8	286	269	7 35	11 48	16 0	15 39	15 39	
				A.	56.7	28.0	87	70	8 11	— 55	15 39	15 39	15 54	15 54
				E.	—	—	82	74	8 4	— 59	15 54	15 54	16 25	16 25
				F.	56.0	32.8	86	72	7 49	12 7	16 25	16 25	16 38	16 38
				V.	55.3	30.6	87	72	8 17	— 28	16 38	16 38		
Mean Temperature.				K.	55.7	25.6	286	269	7 37	11 48	15 59	15 59	15 37	15 37
N.	0	40.3	278	A.	54.3	29.2	85	71	8 13	— 55	15 37	15 37	15 53	15 53
E.	1	39.3	277	E.	—	—	83	73	8 7	12 0	15 53	15 53	16 24	16 24
	2	41.1	278	F.	55.3	34.5	86	72	7 50	— 7	16 24	16 24	16 37	16 37
	3	40.7	278	V.	55.3	31.6	86	73	8 19	— 28	16 37	16 37		
	4	40.4	278											
	5	42.4	279											
W.	6	42.2	279	K.	55.9	25.5	286	269	7 38	11 48	15 58	15 58	15 36	15 36
	7	42.3	279	A.	55.5	29.1	86	67	8 15	— 56	15 36	15 36	15 52	15 52
	8	43.7	280	E.	—	—	83	74	8 9	12 0	15 52	15 52	16 24	16 24
	9	42.3	279	F.	56.0	29.0	86	71	7 52	— 8	16 24	16 24	16 36	16 36
	10	43.8	280	V.	56.1	31.7	86	73	8 20	— 28	16 36	16 36		
S.				K.	56.0	23.2	286	268	7 40	11 49	15 57	15 57	15 35	15 35
				A.	55.0	26.3	87	70	8 17	— 56	15 35	15 35	15 50	15 50
	11	47.3	282	E.	—	—	84	70	8 10	12 0	15 50	15 50	16 23	16 23
				F.	55.7	27.4	86	70	7 53	— 8	16 23	16 23	16 35	16 35
				V.	55.0	28.7	86	71	8 22	— 29	16 35	16 35		

21ST NOVEMBER TO 27TH NOVEMBER, 1915.	
Historical Notes.	Diary.
SUNDAY, 21st NOVEMBER. 0 17h.36m	*325. W.W.R. stations. Post Day.
MONDAY, 22nd NOVEMBER. 1879. Frost from November 22nd to February 2nd, 1880.—(ANDREWS.)	326. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion 17 h.
TUESDAY, 23rd NOVEMBER.	*327.
WEDNESDAY, 24th NOVEMBER. 1433. River frozen below London Bridge to Gravesend, from November 24th, to February 10th, 1434.—(LOWE.) 1715. Fair on the river Thames. Frost lasted till February 9th, 1716.—(LOWE.)	328. <i>Meteorological Committee Programme & Estimates</i>
THURSDAY, 25th NOVEMBER.	*329. Obs.—Met. work despatch day.
FRIDAY, 26th NOVEMBER. 1703. Defoe's Great Storm, South of England.—(Phil. Trans.)	330. H.D.I.
SATURDAY, 27th NOVEMBER. Anders Celsius b. 1701, [d. 25 April, 1744].	*331. Obs.—Close Journal, 57.

FIRST WEEK OF WINTER.				YEAR XXXVIII.				WEEK No. 48.				
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories*.								
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.				
				1871-1900.		1871-1913.		Rises.	Noon.	Sets.		
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.				
0	0.7	1.54	39	K.	57.6	21.5	287	267	7 42	11 49	15 56	
E.				A.	57.5	23.5	88	67	8 19	- 56	15 34	
	1	1.1	0.78	20	E.	—	—	83	66	8 12	12 1	15 49
	2	1.3	0.55	14	F.	56.5	25.0	87	69	7 54	- 8	16 22
	3	1.4	0.54	14	V.	56.5	29.2	87	71	8 24	12 29	16 34
	4	1.3	0.60	15								
5	1.5	0.71	18									
W.				K.	57.4	21.6	287	267	7 43	11 49	15 55	
				A.	55.4	21.0	86	66	8 21	- 57	15 33	
	6	1.1	1.35	34	E.	—	—	83	62	8 14	12 -1	15 48
	7	1.1	0.90	23	F.	55.6	22.4	86	68	7 56	- 9	16 21
	8	1.6	1.16	29	V.	56.5	29.6	87	72	8 25	- 29	16 33
	9	1.4	0.91	23								
10	1.6	1.01	26									
S.				K.	58.4	21.5	288	267	7 45	11 50	15 55	
	11	1.9	1.06	27	A.	49.8	11.0	85	61	8 22	- 57	15 32
				E.	—	—	80	59	8 15	12 1	15 47	
				F.	55.2	28.5	86	71	7 58	- 9	16 20	
				V.	55.6	33.4	86	72	8 27	- 30	16 33	
				K.	55.0	24.7	286	269	7 46	11 50	15 55	
				A.	53.6	18.2	85	61	8 24	- 57	15 31	
				E.	—	—	81	60	8 17	12 2	15 46	
				F.	55.6	29.1	86	71	7 59	- 9	16 19	
				V.	55.3	31.2	86	73	8 28	- 30	16 32	
N.	Mean Temperature.			K.	55.8	18.0	286	265	7 47	11 50	15 54	
	0	39.8	277	A.	52.4	19.5	87	60	8 26	- 58	15 30	
	E.			E.	—	—	83	61	8 19	12 2	15 45	
		1	38.4	277	F.	57.9	28.4	87	71	8 1	- 10	16 19
		2	40.1	278	V.	54.8	29.9	86	71	8 29	- 30	16 31
		3	39.8	277								
4	39.6	277										
5	41.7	278										
W.				K.	55.7	18.3	286	265	7 49	11 51	15 53	
				A.	54.0	14.6	85	63	8 27	- 58	15 29	
	6	41.6	278	E.	—	—	82	61	8 21	12 3	15 45	
	7	41.5	278	F.	55.0	26.9	86	70	8 2	- 10	16 18	
	8	43.1	279	V.	55.7	32.2	86	73	8 31	- 31	16 31	
	9	41.5	278									
10	43.3	279										
S.				K.	56.3	21.0	287	267	7 50	11 51	15 53	
				A.	54.9	14.6	86	63	8 29	- 59	15 28	
	11	46.8	281	E.	—	—	82	72	8 22	12 3	15 44	
				F.	55.6	27.9	86	71	8 3	- 10	16 17	
				V.	54.7	29.4	86	72	8 32	- 31	16 30	

28TH NOVEMBER TO 4TH DECEMBER, 1915.

Historical Notes.		Diary.	
SUNDAY, 28th NOVEMBER. Luke Howard b. 1772, [d. 21 Mar. 1864].		332.	
		W.W.R. stations.	Post Day.
MONDAY, 29th NOVEMBER. (22h 11m)		*333	
		Anemo. stations.	Post Day.
		Baro. stations.	Post Day.
TUESDAY, 30th NOVEMBER. 1269. Frost lasted from November 30th, to February 2nd, 1270.—(ANDREWS.)		334.	
		Obs.—Close Journal 58.	
		M.O.—Geophysical Journal,	September Copy day.
WEDNESDAY, 1st DECEMBER.		*335	
1662. River Thames partially frozen over. "In this frost skates were introduced into England from Holland."—(LOWE.)			
THURSDAY, 2nd DECEMBER.		336	
		Balloon Day.	
		Obs.—Met. Work	despatch Day.
FRIDAY, 3rd DECEMBER.		*337.	
1909. "Ellan Vannin" storm, Irish Sea.			
SATURDAY, 4th DECEMBER.		338.	
1879. -18° F. (245° A.) at Killoe House, Berwickshire.		Obs.—Close Journal 59.	
1914 has gust velocity, 21.5 m/s		Send curves and tabulations to complete month.	
		Climatological stations.	Schedule day.

SECOND WEEK OF WINTER.				YEAR XXXVIII.				WEEK No 49.				
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*								
				Extremes of Temperature.				Sun.				
		Daily Sunshine and Weekly Rainfall.		1871-1900.		1871-1913.		Rises.		Noon.		Sets
N.	Sun. hrs.	Rain. in. mm.	K.	°F.	°A.	h.	m.	h.m.	h.m.			
0	0.6	1.42	36	K.	57.3	23.0	287	268	7 51	11 52	15 53	
E.				A.	56.0	24.5	86	69	8 31	- 59	15 27	
				E.	—	—	80	66	8 23	12 3	15 43	
	1	1.0	0.68	17	F.	55.9	27.6	86	71	8 4	- 11	16 17
	2	1.2	0.58	15	V.	55.8	31.3	86	73	8 34	- 32	16 30
	3	1.4	0.46	12								
4	1.2	0.54	14									
5	1.5	0.60	15	K.	55.9	18.0	286	265	7 52	11 52	15 52	
W.				A.	54.2	24.7	85	68	8 32	- 59	15 26	
				E.	—	—	80	66	8 25	12 4	15 43	
	6	1.0	1.25	32	F.	56.2	27.2	86	70	8 5	- 11	16 16
	7	1.0	0.79	20	V.	55.0	29.8	86	72	8 35	- 32	16 29
	8	1.5	1.06	27								
9	1.3	0.88	22									
10	1.6	1.03	26	K.	54.3	13.5	287	263	7 54	11 53	15 52	
S.				A.	50.7	24.3	83	67	8 34	12 0	15 25	
				E.	—	—	81	70	8 26	- 4	15 42	
	11	1.8	0.93	24	F.	55.1	29.2	86	71	8 7	- 12	16 16
				V.	53.9	31.3	86	73	8 37	- 33	16 29	
			K.	54.1	21.8	287	267	7 55	11 53	15 51		
			A.	53.5	20.2	86	66	8 36	12 0	15 24		
			E.	—	—	84	73	8 28	- 5	15 42		
			F.	54.6	29.0	86	71	8 8	- 12	16 16		
			V.	55.0	30.5	86	72	8 38	- 33	16 28		
N.	Mean Temperature.		K.	°F.	°A.	K.	°F.	°A.	K.	°F.	°A.	
0	39.0	277	A.	53.0	26.7	85	70	7 56	11 53	15 51		
E.			E.	—	—	84	72	8 38	12 1	15 24		
	1	37.9	276	F.	53.8	27.2	85	70	8 29	- 5	15 41	
	2	39.2	277	V.	53.8	30.1	85	72	8 9	- 13	16 16	
	3	39.0	277					8 39	- 33	16 28		
	4	38.8	277									
5	41.1	278	K.	55.5	20.5	286	267	7 57	11 54	15 51		
W.			A.	52.4	21.5	84	67	8 39	12 1	15 23		
			E.	—	—	81	72	8 31	- 6	15 41		
	6	40.8	278	F.	54.6	26.5	86	70	8 10	- 13	16 16	
	7	40.6	278	V.	54.4	30.9	85	72	8 40	- 34	16 28	
	8	42.6	279									
9	41.1	278										
10	43.0	279	K.	54.7	19.7	286	266	7 58	11 54	15 51		
S.			A.	55.6	21.0	86	67	8 40	12 2	15 23		
			E.	—	—	83	76	8 32	- 6	15 40		
	11	47.0	281	F.	54.2	24.0	85	69	8 11	- 13	16 15	
			V.	54.8	29.5	86	72	8 41	- 34	16 27		

5TH DECEMBER TO 11TH DECEMBER, 1915.	
Historical Notes.	Diary.
SUNDAY, 5th DECEMBER.	*339. W.W.R. Stations. Post Day.
MONDAY, 6th DECEMBER. 18h. 4m 1353. Frost lasted from December 6th, to March 12th, 1354.—(ANDREWS.) 1913. Eruption of Mt. Benbow, New Hebrides.	340 Anemo. Stations. Post Day. Baro. stations. Post Day. M.O.—Discussion 17 h.
TUESDAY, 7th DECEMBER. 1866. Suspension of the issue of "Cautionary Storm Warnings" by the Meteorological Department of the Board of Trade. Greatest hourly wind velocity of 1911, 28.6 m. | s. (64 ml. | hr.), Scilly. 1912. Highest sounding with registering balloon, Pavia, 37,700 metres [La Nature, No. 2,068, 11 Jan., 1913].	*341. <i>Advisory Committee for Aeronautics</i>
WEDNESDAY, 8th DECEMBER. 1886. Beginning of two days' storm and low barometer over the British Islands; 27.38 in. (928 mb.), at Belfast.—(Q.J.)	342
THURSDAY, 9th DECEMBER.	*343 Obs.—Met. work despatch day.
FRIDAY, 10th DECEMBER. 1149. Frost lasted from December 10th, to February 19th, 1150.—(ANDREWS.) 1881. Loss of balloon "Saladin" with Mr. Walter Powell, M.P.—(Annual Report, 1881-82.)	344. H.D.I.
SATURDAY, 11th DECEMBER.	*345. Obs.—Close Journal, 60.

*adjourned
until Jan 17
and then
continued
until Nov*

THIRD WEEK OF WINTER.				YEAR XXXVIII.				WEEK No. 50.			
Dist.		Normals, 1881-1905, for Districts.		Notes for Observatories.*							
		Daily Sunshine and Weekly Rainfall.		Extremes of Temperature.				Sun.			
				1871-1900.		1871-1913.		Rises.		Noon. Sets.	
N.	0	Sun. hrs.	Rain. in. mm.	°F.		°A.		G.M.T.			
		0.5	1.20 30	K.	55.1 22.9	236	268	7 59	11 55	15 50	
E.				A.	54.2 13.3	85	63	8 41	12 2	15 23	
	1	0.9	0.57 14	E.	— —	81	75	8 33	— 6	15 39	
	2	1.1	0.49 12	F.	54.3 26.0	85	70	8 12	— 14	16 15	
	3	1.3	0.35 9	V.	54.3 28.7	85	71	8 42	— 35	16 27	
	4	1.1	0.46 12								
	5	1.4	0.48 12								
W.				K.	55.8 16.4	286	264	8 0	11 55	15 50	
	6	0.9	1.10 28	A.	54.0 13.0	86	62	8 42	12 2	15 22	
	7	1.0	0.65 17	E.	— —	83	75	8 35	— 7	15 39	
	8	1.4	0.91 23	F.	54.6 34.0	86	74	8 13	— 14	16 15	
	9	1.1	0.81 21	V.	54.7 27.7	86	71	8 43	— 35	16 27	
	10	1.5	1.01 26								
S.				K.	53.8 16.7	287	265	8 1	11 56	15 50	
	11	1.8	0.74 19	A.	52.3 12.0	87	62	8 44	12 3	15 22	
				E.	— —	84	73	8 35	— 7	15 39	
				F.	54.6 29.0	86	71	8 14	— 15	16 15	
				V.	54.4 27.4	85	70	8 44	— 36	16 27	
				K.	54.0 21.2	286	267	8 2	11 56	15 50	
				A.	51.2 9.0	84	60	8 44	12 3	15 22	
				E.	— —	81	73	8 36	— 8	15 40	
				F.	54.0 31.0	85	72	8 15	— 15	16 15	
				V.	54.2 33.6	85	74	8 45	— 36	16 27	
N.	0	Mean Temperature.		K.	56.1 23.6	286	268	8 3	11 57	15 50	
		°F.	°A.	A.	56.2 28.3	86	69	8 46	12 4	15 22	
E.		38.7	277	E.	— —	81	73	8 37	— 8	15 40	
	1	37.3	276	F.	56.2 27.9	86	71	8 16	— 16	16 15	
	2	38.5	277	V.	54.6 31.6	86	73	8 46	— 37	16 27	
	3	38.1	276								
	4	38.0	276								
	5	40.2	278								
W.				K.	54.7 21.9	287	267	8 4	11 57	15 50	
	6	40.0	277	A.	53.8 24.4	85	69	8 46	12 4	15 22	
	7	39.7	277	E.	— —	82	70	8 38	— 9	15 40	
	8	41.9	279	F.	55.1 29.0	86	71	8 16	— 16	16 15	
	9	40.9	278	V.	54.0 29.1	86	71	8 47	— 37	16 27	
	10	42.7	279								
S.				K.	55.1 24.0	286	269	8 5	11 58	15 51	
	11	47.0	281	A.	54.8 16.8	86	65	8 48	12 5	15 22	
				E.	— —	83	70	8 38	— 9	15 40	
				F.	53.7 29.8	85	72	8 17	— 17	16 16	
				V.	54.5 28.7	86	71	8 48	— 38	16 28	

12TH DECEMBER TO 18TH DECEMBER, 1915.	
Historical Notes.	Diary.
SUNDAY, 12th DECEMBER. Strongest gust of 1906, 38.4 m. | s. (86 ml. | hr.), Scilly.	346. W.W.R. stations. Post Day.
MONDAY, 13th DECEMBER. <i>D 11h 38m</i> Johann von Lamont b. 1805, [d. 6 Aug. 1879].	*347. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 14th DECEMBER. Greatest hourly wind velocity of 1907, 27.3 m. | s. (61 ml. | hr.), Fleetwood.	348.
WEDNESDAY, 15th DECEMBER.	*349. M.O.—Quarterly issue of forms. Issue to stations of register forms for 1916 to be completed.
THURSDAY, 16th DECEMBER. Greatest hourly wind velocity of 1910, 28.2 m. | s. (63 ml. | hr.), strongest gust 38 m. | s. (85 ml. | hr.), Pendennis. 1877. "Barometer 31.72 in. at Semipalatinsk" (1046 mb. station level reduced to 1081 mb. sea level). 1911. R. Amundsen at the South Pole.	350. Obs.—Met. work despatch day.
FRIDAY, 17th DECEMBER. 1896. Hereford earthquake.—(DAVISON.) Sir Francis Beaufort d. 1857, [b. 1774]. 1877. "Barometer 31.63 in. at Barnaul" (1050 mb. station level reduced to 1073 mb. sea level).	*351.
SATURDAY, 18th DECEMBER.	352. Obs.—Close Journal, 61.

FOURTH WEEK OF WINTER.				YEAR XXXVIII				WEEK No. 51.				
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*								
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.				
				1871-1900.		1871-1913.		Rises.		Noon.		Sets.
N.	Sun. hrs.	Rain. in.	mm.	°F.		°A.		G.M.T.				
0	0.6	1.14	29	K.	53.2	22.1	285	268	8 5	11 58	15 51	
E.				A.	49.9	15.6	83	64	8 48	12 5	15 22	
	1	0.9	0.61	15	E.	—	—	81	72	8 39	— 10	15 41
	2	1.1	0.40	10	F.	53.7	26.9	85	70	8 18	— 17	16 16
	3	1.3	0.39	10	V.	53.0	26.8	85	70	8 48	— 38	16 28
	4	1.1	0.52	13								
5	1.4	0.52	13									
W.				K.	53.7	15.5	285	264	8 6	11 59	15 52	
	6	0.9	1.14	29	A.	52.5	12.5	84	62	8 49	12 6	15 23
	7	0.9	0.67	17	E.	—	—	82	74	8 40	— 10	15 40
	8	1.4	0.94	24	F.	55.5	25.0	86	69	8 19	— 18	16 17
	9	1.1	0.83	21	V.	55.5	26.9	86	70	8 49	— 39	16 29
10	1.4	1.07	27									
S.				K.	52.7	18.6	285	266	8 6	11 59	15 52	
	11	1.9	0.77	20	A.	50.3	13.1	83	63	8 49	12 6	15 23
				E.	—	—	82	74	8 41	— 11	15 41	
				F.	54.1	27.5	85	71	8 19	— 18	16 17	
				V.	54.5	29.6	86	71	8 49	— 39	16 29	
				K.	53.9	10.8	285	261	8 7	12 0	15 53	
				A.	52.6	21.0	84	67	8 50	— 7	15 24	
				E.	—	—	79	73	8 41	— 11	15 41	
				F.	54.9	29.9	86	72	8 20	— 19	16 18	
				V.	54.0	31.5	85	73	8 50	— 40	16 30	
N.	Mean Temperature.			K.	54.0	16.9	285	265	8 7	12 0	15 53	
	0	38.3	277	A.	52.6	14.8	87	63	8 50	— 7	15 24	
				E.	—	—	80	72	8 42	— 12	15 42	
	1	36.8	276	F.	53.6	33.0	85	72	8 20	— 19	16 18	
	2	38.0	276	V.	53.2	28.0	85	71	8 50	— 40	16 30	
E.	3	37.5	276									
	4	37.4	276									
	5	39.6	277									
				K.	51.8	14.7	284	263	8 8	12 1	15 54	
	6	39.2	277	A.	51.1	20.0	85	66	8 51	— 8	15 25	
W.	7	39.3	277	E.	—	—	81	70	8 42	— 12	15 42	
	8	41.4	278	F.	52.6	32.4	85	73	8 21	— 20	16 19	
	9	40.6	278	V.	54.6	29.7	86	72	8 51	— 41	16 31	
	10	42.5	279									
				K.	52.5	16.0	284	264	8 8	12 1	15 54	
S.				A.	54.0	19.5	85	66	8 51	— 8	15 25	
	11	45.7	281	E.	—	—	80	69	8 42	— 13	15 44	
				F.	53.7	31.2	85	73	8 21	— 20	16 19	
				V.	54.5	33.5	86	74	8 51	— 41	16 32	

19TH DECEMBER TO 25TH DECEMBER, 1915.	
Historical Notes.	Diary.
SUNDAY, 19th DECEMBER.	*353. W.W.R. stations. Post Day.
MONDAY, 20th DECEMBER. 1896. "Barometer 31·717 in. at Irkutsk" (1003·5 mb. at station level reduced to 1072 mb. sea level). 1860. Severe frost from December 20th to January 5th, 1861.—(ANDREWS.)	354. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 21st DECEMBER. St. Thomas. St. Lucia.	*355.
WEDNESDAY, 22nd DECEMBER. 987-988. Frost began in London and lasted 120 days.—(LOWE.) 1906. Earthquake in Turkestan. 1894. Gale over the British Isles. Greatest hourly wind velocity, 34·9 m. | s. (78 ml. | hr.), Fleetwood.	356.
THURSDAY, 23rd DECEMBER.	*357. Obs.—Met. work despatch day.
FRIDAY, 24th DECEMBER. 1736. Very high tide in London; the River Thames flowed into Westminster Hall.—(Baker's "Record of the Seasons.")	358. H.D.I.
SATURDAY, 25th DECEMBER. Christmas Day. 1434. Thames frozen below London Bridge to Gravesend, from December 25th to February 11th, 1435.—(ANDREWS.)	*359. M.O.—Press closed. Obs.—Close Journal, 62.

FIFTH WEEK OF WINTER.				YEAR XXXVIII				WEEK No. 52.				
Dist.	Normals, 1881-1905, for Districts.			Notes for Observatories.*								
	Daily Sunshine and Weekly Rainfall.			Extremes of Temperature.				Sun.				
				1871-1900.		1871-1913.		Rises.	Noon.	Sets		
N.	0	Sun. hrs.	Rain. in. mm.	K.	°F		°A.		G.M.T.			
E.	1	1.0	0.60	15	A.	53.1	21.8	285	267	h. m.	h. m.	h. m.
	2	1.1	0.42	11	E.	54.6	20.2	86	66	8 8	12 2	15 55
	3	1.3	0.45	11	F.	—	—	80	74	8 52	—	9 15 26
	4	1.2	0.55	14	V.	53.9	30.5	85	72	8 42	—	13 15 44
	5	1.4	0.54	14		54.2	33.4	85	74	8 22	—	21 16 20
W.	6	1.0	1.09	28	K.	57.1	17.9	287	265	8 51	—	42 16 33
	7	1.0	0.68	17	A.	51.8	16.0	84	64	8 9	12 2	15 56
	8	1.5	0.91	23	E.	—	—	82	70	8 52	—	9 15 27
	9	1.2	0.81	21	F.	55.9	26.8	86	70	8 43	—	14 15 45
	10	1.5	1.05	27	V.	54.7	28.7	86	71	8 22	—	21 16 21
S.	11	1.8	0.80	20	K.	55.3	24.4	286	269	8 51	—	42 16 34
					A.	51.4	22.2	84	68	8 9	12 3	15 57
					E.	—	—	82	70	8 52	—	10 15 28
					F.	55.0	26.6	86	70	8 43	—	14 15 45
					V.	55.3	30.3	86	72	8 22	—	22 16 22
					K.	54.0	20.0	286	266	8 51	—	43 16 35
					A.	50.0	21.0	86	66	8 9	12 3	15 58
					E.	—	—	81	71	8 52	—	10 15 28
					F.	55.0	29.0	86	71	8 43	—	15 15 47
					V.	53.8	32.4	85	69	8 22	—	22 16 22
N.	0	Mean Temperature.			K.	54.4	18.0	286	263	8 51	—	43 16 36
		°F.	°A.		A.	49.5	25.9	85	63	8 9	12 4	15 59
		37.8	276		E.	—	—	80	67	8 52	—	11 15 30
					F.	55.8	25.0	86	69	8 43	—	15 15 48
					V.	53.6	30.9	85	71	8 22	—	23 16 23
E.	1	36.4	275		K.	54.7	17.0	286	265	8 51	—	44 16 37
	2	37.8	276		A.	50.4	15.8	84	63	8 9	12 4	15 59
	3	37.3	276		E.	—	—	81	62	8 52	—	11 15 30
	4	37.2	276		F.	55.5	25.9	86	70	8 43	—	16 15 48
	5	39.1	277		V.	54.1	29.4	85	70	8 22	—	23 16 24
W.	6	38.7	277		K.	55.0	17.1	286	265	8 51	—	44 16 37
	7	39.1	277		A.	55.9	16.7	86	65	8 9	12 5	16 1
	8	41.0	278		E.	—	—	81	72	8 51	—	12 15 31
	9	40.2	278		F.	54.7	28.2	86	65	8 42	—	16 15 49
	10	42.0	279		V.	54.7	31.8	86	73	8 22	—	24 16 25
S.	11	44.5	280		K.	55.0	17.1	286	265	8 51	—	45 16 38
					A.	55.9	16.7	86	65	8 9	12 5	16 1
					E.	—	—	81	72	8 51	—	12 15 31
					F.	54.7	28.2	86	65	8 42	—	16 15 49
					V.	54.7	31.8	86	73	8 22	—	24 16 25

26TH DECEMBER, 1915, TO 1ST JANUARY, 1916.	
Historical Notes.	Diary.
SUNDAY, 26th DECEMBER. St. Stephen. Greatest hourly wind velocity of 1912, 31.3 m. | s. (73 ml. | hr.). Strongest gust, 43.8 m. | s. (98 ml. | hr.), Pendennis Castle.	360. W.W R. stations. Post Day.
MONDAY, 27th DECEMBER. St. John. 1813. "Great fog commenced in London, and the greatest frost of the century set in."—(ANDREWS.) 1852. Barometer 27.98 in. (949 mb.), at Culloden.	*361. M.O.—Press closed. Anemo. stations. Post Day. Baro. stations. Post Day.
TUESDAY, 28th DECEMBER. Innocents Day. 1879. Tay Bridge Storm. 1908. Messina Earthquake.	362.
WEDNESDAY, 29th DECEMBER. <i>C 12 h 59 m</i> 1899. Low Barometric pressure over the British Isles. 28.29 in. (958.7 mb.) at Roches Point and St. Ann's Head.	*363.
THURSDAY, 30th DECEMBER. <i>See p. 3.</i>	364. Obs.—Met. work despatch day.
FRIDAY, 31st DECEMBER. <i>See p. 3.</i>	*365. Obs.—Close Journal, 63. Electrical work 3rd Quarter day. M.O.—Geophysical Journal, October Copy day.
SATURDAY, 1st JANUARY, 1916. New Year's Day (England since 1751, Scotland since 1600). 1876. Publication by "The Times" of 6 p.m. Weather Map.	1. Obs.—Close Journal, 1.

Early Weather Report June No 197/2

Dist.	Temperature.		Sun- shine.	Rainfall.		Temperature.	Sun- shine.		Rainfall.		
	°F.	°A.	hrs.	in. mm.		°F.	°A.	hrs.	in. mm.		
JANUARY.						FEBRUARY.					
N.	0	38.4	277	0.82	5.92 150	37.6	276	1.97	4.65	118	
E.	1	37.5	276	1.37	2.57 65	37.0	276	2.60	2.20	56	
	2	38.6	277	1.37	1.77 45	38.6	277	2.65	1.47	37	
	3	38.0	276	1.68	1.74 44	38.5	277	2.80	1.48	38	
	4	38.1	276	1.42	2.17 55	38.6	277	2.40	1.83	46	
W.	5	39.7	277	1.60	2.27 58	39.9	277	2.66	1.98	50	
	6	39.7	277	1.19	4.69 119	39.0	277	2.19	3.81	87	
	7	39.7	277	1.22	3.03 77	39.5	277	2.37	2.40	61	
	8	41.4	278	1.63	3.67 93	41.1	278	2.69	3.03	77	
	9	40.7	278	1.38	3.45 88	40.5	278	2.38	2.80	71	
S.	10	42.4	279	1.65	4.00 102	42.1	279	2.66	3.23	82	
	11	44.4	280	2.08	3.04 77	44.0	280	3.27	2.61	66	
MARCH.						APRIL.					
N.	0	39.3	277	3.08	4.42 112	42.9	279	4.62	2.95	75	
E.	1	39.3	277	3.42	2.30 58	43.3	279	4.82	1.89	48	
	2	40.6	278	3.99	1.74 44	44.3	280	5.11	1.58	40	
	3	41.0	278	4.00	1.55 39	45.6	281	5.33	1.55	39	
	4	41.1	278	3.57	1.73 44	45.6	281	4.87	1.77	45	
W.	5	42.2	279	3.96	1.81 46	46.8	281	5.35	1.62	41	
	6	40.8	278	3.57	3.52 89	44.7	280	5.13	2.76	70	
	7	41.3	278	3.49	2.40 61	45.5	281	4.85	2.09	53	
	8	42.7	279	4.01	2.71 69	46.7	281	5.46	2.35	60	
	9	41.9	279	3.42	2.72 69	45.6	281	4.81	2.39	61	
S.	10	43.5	279	3.93	2.98 76	47.1	281	5.29	2.64	67	
	11	45.2	280	4.84	2.25 57	48.8	282	6.40	1.96	50	
MAY.						JUNE.					
N.	0	47.8	282	5.44	2.74 70	52.6	284	5.19	2.76	70	
E.	1	48.4	282	5.96	2.16 55	54.0	285	6.03	2.18	55	
	2	49.3	283	6.28	1.80 46	55.2	286	6.28	1.83	46	
	3	51.2	284	6.65	1.87 48	57.0	287	6.87	1.99	51	
	4	51.1	284	5.99	2.07 53	56.9	287	6.22	2.04	52	
W.	5	52.4	284	6.74	1.80 46	57.9	287	7.02	1.87	48	
	6	49.9	283	6.33	2.87 73	55.3	286	6.38	2.83	72	
	7	50.7	283	6.43	2.23 57	56.2	286	6.58	2.22	56	
	8	51.7	284	6.72	2.18 55	57.0	287	6.90	2.23	57	
	9	50.3	283	6.07	2.44 62	55.4	286	5.65	2.62	67	
S.	10	51.8	284	6.51	2.50 64	56.8	287	6.18	2.51	64	
	11	53.1	285	8.02	1.92 49	57.9	287	8.14	1.80	46	

Dist.	Temperature.		Sun- shine.	Rainfall.		Temperature.	Sun- shine.		Rainfall.		
	°F.	°A.	hrs.	in.	mm.	°F.	°A.	hrs.	in.	mm.	
JULY.						AUGUST.					
N.											
E.	0	54.9	286	4.10	3.52	89	54.5	286	3.69	4.29	109
	1	56.3	286	5.25	3.00	76	55.8	286	4.80	3.17	81
	2	58.6	288	6.18	2.44	62	57.8	287	5.18	2.74	70
	3	60.5	289	6.79	2.31	59	59.7	288	5.95	2.34	59
	4	59.9	289	6.03	2.41	61	58.8	288	5.35	2.65	67
W.	5	61.0	289	6.97	2.19	56	60.8	289	6.27	2.48	63
	6	57.1	287	5.57	3.61	92	56.5	287	4.96	4.60	117
	7	58.7	288	5.87	3.04	77	58.1	288	5.02	3.67	93
	8	59.4	288	6.38	2.97	75	59.1	288	5.95	3.38	86
	9	57.4	287	4.47	3.29	84	56.8	287	4.23	4.01	102
S.	10	58.8	288	5.06	3.10	79	58.2	288	4.93	4.09	104
	11	60.6	289	7.91	2.33	59	61.5	289	7.03	2.68	68
SEPTEMBER.						OCTOBER.					
N.											
E.	0	51.7	284	3.35	4.56	116	46.1	281	2.44	5.46	139
	1	52.3	284	3.96	2.37	60	45.9	281	2.80	3.17	81
	2	54.3	285	4.45	1.96	50	48.0	282	3.07	2.94	75
	3	55.9	286	4.98	1.98	50	48.9	282	3.39	2.72	69
	4	54.8	286	4.39	2.06	52	47.8	282	2.98	2.88	73
W.	5	57.2	287	5.11	2.28	58	50.3	283	3.41	3.27	83
	6	53.2	285	4.17	4.11	104	47.7	282	2.74	5.00	127
	7	54.9	286	4.26	3.00	76	48.8	282	2.76	3.97	101
	8	56.2	286	4.81	3.12	79	50.2	283	3.28	4.54	115
	9	53.9	285	3.76	3.21	82	48.1	282	2.87	3.86	98
S.	10	55.2	286	4.44	2.89	73	49.5	283	3.30	3.84	97
	11	59.0	288	6.02	2.59	66	53.7	285	3.94	3.98	101
NOVEMBER.						DECEMBER.					
N.											
E.	0	42.2	279	1.20	5.52	140	39.0	277	0.63	5.86	149
	1	41.4	278	1.63	3.02	77	37.7	276	1.00	2.93	74
	2	43.2	279	1.83	2.40	61	39.1	277	1.22	2.22	56
	3	43.4	279	2.11	2.19	56	38.7	277	1.39	1.94	49
	4	42.7	279	1.76	2.44	62	38.5	277	1.17	2.34	59
W.	5	45.1	280	2.04	2.94	75	40.7	278	1.45	2.56	65
	6	43.8	280	1.57	5.36	136	40.5	278	0.97	5.36	136
	7	44.3	280	1.64	3.59	91	40.4	278	1.02	3.36	85
	8	45.9	281	2.06	4.24	108	42.3	279	1.47	4.49	114
	9	44.1	280	1.91	3.95	100	41.1	278	1.24	3.80	97
S.	10	45.6	281	2.21	4.14	105	42.9	279	1.52	4.53	115
	11	49.5	283	2.45	3.85	98	46.6	281	1.85	3.87	98

Mean Temperature, Daily Sunshine, and aggregate Rainfall for twelve districts for the seasons and the year.

Dist.	Temperature.		Sun-shine.	Rainfall.		Temperature.	Sun-shine.		Rainfall.	
	°F.	°A.	hrs.	in.	mm.	°F.	°A.	hrs.	in.	mm.
SPRING.						SUMMER.				
N. 0	43.3	279	4.47	9.88	251	53.7	285	4.28	10.57	268
E. 1	44.2	280	4.88	6.27	159	55.7	286	5.32	8.31	211
2	45.1	280	5.23	5.09	129	57.4	287	5.85	6.98	178
3	46.3	281	5.44	4.95	126	59.2	288	6.51	6.59	167
4	46.3	281	4.91	5.53	140	58.7	288	5.85	7.05	179
5	47.6	282	5.46	5.16	131	60.2	289	6.73	6.50	160
W. 6	45.5	281	5.12	8.97	228	56.3	287	5.59	11.03	280
7	46.2	281	5.03	6.62	168	57.8	287	5.78	8.92	227
8	47.4	282	5.50	7.08	180	58.8	288	6.38	8.57	218
9	46.3	281	4.87	7.43	189	56.6	287	4.73	9.90	252
10	47.7	282	5.34	7.97	202	58.1	288	5.34	9.66	245
S. 11	49.4	283	6.54	6.01	153	60.4	289	7.83	6.76	172
AUTUMN.						WINTER.				
N. 0	46.2	281	2.28	15.60	396	38.2	277	1.16	16.26	413
E. 1	46.4	281	2.75	8.56	217	37.5	276	1.67	7.63	194
2	48.2	282	3.06	7.29	185	38.7	277	1.76	5.41	137
3	49.1	283	3.42	6.87	174	38.4	277	1.96	5.11	130
4	48.1	282	2.98	7.36	187	38.3	277	1.67	6.30	160
5	50.5	283	3.44	8.49	216	39.9	277	1.91	6.76	172
W. 6	48.0	282	2.76	14.51	369	39.8	277	1.46	13.69	348
7	49.1	283	2.82	10.56	268	39.9	277	1.55	8.68	220
8	50.5	283	3.32	11.93	303	41.5	278	1.94	11.07	281
9	48.5	282	2.80	11.01	280	40.8	278	1.67	9.96	253
10	49.8	283	3.26	10.90	277	42.4	279	1.95	11.67	296
S. 11	53.8	285	4.05	10.48	266	44.7	280	2.41	9.41	239
YEAR.										
N. 0	45.4	280	3.55	52.31	1329					
E. 1	46.0	281	3.66	30.77	782					
2	47.4	282	3.98	24.77	630					
3	48.3	282	4.33	23.52	597					
4	47.9	282	3.85	26.24	667					
5	49.6	283	4.39	26.91	684					
W. 6	47.4	282	3.73	48.20	1224					
7	48.3	282	3.80	34.78	884					
8	49.6	283	4.29	38.65	982					
9	48.1	282	3.52	38.30	973					
10	49.5	283	3.97	40.20	1021					
S. 11	52.1	284	5.21	32.66	830					

NOTES.

The following abbreviations are used :

For publications in which account is given of the prominent meteorological occurrences mentioned in the Calendar :—

- Andrews. Famous Frosts and Frost Fairs in Great Britain.
By William Andrews.
F.W. Forecasting Weather. By W. N. Shaw.
G.M. Geophysical Memoirs.
L.H. Life History of Surface Air Currents. M.O.
Publication 174.
Lowe. Natural Phenomena and Chronology of the
Seasons. By E. J. Lowe.
M.O. One of the numbered publications of the Meteorological Office.
M.W.R. Monthly Weather Report.
Q.J. Quarterly Journal of the Royal Meteorological Society.
Q.W.R. Quarterly Weather Report.
S.M. Symons's Meteorological Magazine.
W.W.R. Weekly Weather Report.

The following notes are applicable throughout the Calendar :—

N. 0, E. 1, 2, &c.—The twelve districts for which normals are given are those of the Weekly Weather Report, viz., 0, Scotland North ; 1, Scotland East ; 2, England North East ; 3, England East ; 4, Midland Counties ; 5, England South East ; 6, Scotland West and Isle of Man ; 7, England North West and North Wales ; 8, England South West and South Wales ; 9, Ireland North ; 10, Ireland South ; 11, Islands of the English Channel.

* The observatories to which the daily notes of extremes of temperature, times of sunrise, sunset, &c., refer are indicated as follows :—Kew (K), Aberdeen (A), Eskdale (E, 1911–1914 only), Falmouth (F), Valencia (V).

† Pressures quoted in absolute units.—In converting from inches to millibars pressure values given in previous editions, it has been assumed that the gravity correction had not been made.

* This symbol denotes that at the observatories the day so marked is a change-day for two-day sheets.

§ Sunday is also a post-day where postal arrangements permit for pressure-tube anemometer stations, summaries of the records from which are printed in the Weekly Weather Report. Observatories send a summary by telegraph on Tuesday.

The initials H.D.I. are set against selected days for observations of the earth's horizontal magnetic force in absolute measure, declination and inclination, provided that the day is not unfavourable for observation. Additional observations of these elements should be made as required.

The initial M. indicates a day for determining the scale value of the magnetograph, and S. for the seismograph. The scale value of the electrograph should be determined once a month, and the date entered in the Calendar at the observatory.

NOTES—continued.

Wind Velocities.—All velocities given are reduced to “factor 2·2,” and are expressed in metres per second, m. | s., with an alternative in miles per hour, ml. | hr.

Mean Temperature.—With reference to the comparison of the temperature of the air with the mean for the week, it should be noted that, on the average, the temperature at the Observatories passes approximately through the mean value for the day at the following hours of G.M.T. :—

—	Winter.		Spring.		Summer.		Autumn.	
Kew	10h.	20h.	9h.	20½h.	9h.	20½h.	9h.	20h.
Aberdeen	10½h.	20h.	8½h.	20h.	7½h.	20½h.	9h.	19h.
Eskdalemuir	10h.	19h.	8h.	20h.	8h.	20h.	9h.	19½h.
Falmouth	10h.	19h.	8½h.	19½h.	8h.	19½h.	8½h.	19h.
Valencia	10h.	19h.	9h.	20h.	8½h.	20½h.	9h.	19h.

Extremes of Temperature.—The highest and lowest temperatures for the month during period 1871–1900, and the highest and lowest for the whole period 1871–1914 (Eskdalemuir 1911–1914), are printed in clarendon type for each observatory.

International Cloud Days.—The Days marked as balloon days in the Calendar follow the scheme arranged for the international investigation of the upper air in the year 1914. International co-operation is interrupted, and the programme will probably require modification. The central aerological observatory of the Meteorological Office is now at Benson, near Wallingford, and co-operating observers should communicate with Mr. W. H. Dines at that address with regard to their arrangements for 1915. Observations of cloud motion on the international plan are due on balloon days and on the day preceding and succeeding.

Kew Observatory.—The completion of the tabulation of Magnetic Curves for quiet days is due within three months of the receipt of the specification of the days from Utrecht.

Meteorological Office.—The Monthly Weather Report is to be issued on the 27th day of the following month. Daily Readings at First and Second Order Stations on the last working day of the following month. The Geophysical Journal is due within three months of the close of its period. Hourly Readings for 1914 are to be published as an Annual Volume before the close of 1915.

METEOROLOGICAL OFFICE, LONDON.

1916.

CALENDAR

WITH

NOTES AND DIARY OF OPERATIONS

FOR

THE USE OF OBSERVERS.

Issued by the Authority of the Meteorological Committee.



LONDON:

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S
STATIONERY OFFICE

By DARLING AND SON, LTD., 34–40, BACON STREET, E.

And to be purchased from

THE METEOROLOGICAL OFFICE, EXHIBITION ROAD, LONDON, S.W.

1915.

Price One Shilling.

PREFACE.

The following notes are applicable throughout the Calendar :—

N. 0, E. 1, 2, &c.—The twelve districts for which normals are given are those of the Weekly Weather Report, viz., 0, Scotland North; 1, Scotland East; 2, England North East; 3, England East; 4, Midland Counties; 5, England South East; 6, Scotland West and Isle of Man; 7, England North West and North Wales; 8, England South West and South Wales; 9, Ireland North; 10, Ireland South; 11, Islands of the English Channel.

* The observatories to which the daily notes of extremes of temperature, times of sunrise, sunset, &c., refer are indicated as follows :—Kew (K), Aberdeen (A), Eskdale (E, 1911–1915 only), Falmouth (F), Valencia (V).

† Pressures quoted in absolute units.—In converting from inches to millibars pressure values given in previous editions, it has been assumed that the gravity correction had not been made.

* This symbol denotes that at the observatories the day so marked is a change-day for two-day sheets.

§ Sunday is also a post-day where postal arrangements permit for pressure-tube anemometer stations, summaries of the records from which are printed in the Weekly Weather Report. Observatories send a summary by telegraph on Tuesday.

The initials H.D.I. are set against selected days for observations of the earth's horizontal magnetic force in absolute measure, declination and inclination, provided that the day is not unfavourable for observation. Additional observations of these elements should be made as required.

The initial M. indicates a day for determining the scale value of the magnetograph, and S. for the seismograph. The scale value of the electrograph should be determined once a month, and the date entered in the Calendar at the observatory.

Wind Velocities.—All velocities given are reduced to “factor 2.2,” and are expressed in metres per second, m/s, with an alternative in miles per hour, ml/hr.

Mean Temperature.—With reference to the comparison of the temperature of the air with the mean for the week, it should be noted that, on the average, the temperature at the Observatories passes approximately through the mean value for the day at the following hours of G.M.T. :—

—	Winter.	Spring.	Summer.	Autumn.
Kew	10h. 20h.	9h. 20½h.	9h. 20½h.	9h. 20h.
Aberdeen	10½h. 20h.	8½h. 20h.	7½h. 20½h.	9h. 19h.
Eskdalemuir	10h. 19h.	8h. 20h.	8h. 20h.	9h. 19½h.
Falmouth	10h. 19h.	8½h. 19½h.	8h. 19½h.	8½h. 19h.
Valencia	10h. 19h.	9h. 20h.	8½h. 20½h.	9h. 19h.

Extremes of Temperature.—The highest and lowest temperatures for the period 1871–1915 (Eskdalemuir 1911–1915), are printed in clarendon type for each observatory.

International Cloud Days.—International co-operation is interrupted. The central aerological observatory of the Meteorological Office is now at Benson, near Wallingford, and co-operating observers should communicate with Mr. W. H. Dines, F.R.S., at that address with regard to arrangements for 1916. Observations of cloud motion on the international plan are due on international balloon days and on the day preceding and succeeding.

Kew Observatory.—The completion of the tabulation of Magnetic Curves for quiet days is due within three months of the receipt of the specification of the days from Utrecht.

Meteorological Office.—The Weekly Weather Report for each week is issued on the Friday of the following week. The Quarterly and Annual Appendices and the Annual Summary to the Monthly Weather Report are due for issue on the dates specified in the Calendar. The Monthly Weather Report is to be issued on the 27th day of the following month. Daily Readings at First and Second Order Stations on the last working day of the following month. The Geophysical Journal is due within three months of the close of its period. Hourly Readings for 1915 are to be published as an Annual Volume before the close of 1916.

Relative Wind Frequencies.—This table gives a weekly summary of the tabulations of wind components at 3h. 9h. 15h. 21h. given in the Geophysical Journal. It shows the number of occasions in the four years on which tabulation has given a north or a south component, how many times an east or a west component. Direction is reckoned by 32 points; wind within half a point of East is not counted as having a North or South component. Direction is not tabulated when wind velocity is less than 5 m/s.

Frequency of Rain-days, Sunless Days and Fog Days at the Observatories.—The numbers have been obtained by tabulation of the daily values of rainfall and sunshine from 1 January, 1881, and the daily fog record from 1 January, 1905. The headings of the columns should be adjusted accordingly.

NAPIER SHAW,

Director.

November, 1915.

FIFTH WEEK OF WINTER.				YEAR XXXVIII.						WEEK No. 52.					
Normals, 1881-1910, for Districts.				Notes at Observatories.†											
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1914.	Sun.						
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets				
Dist.	Sun. hr.	Rain. in. mm.		1915 Dec.				°A.		G.M.T.					
N.	0	0.6	1.21 31	26. K.	16	22	0	285 267	8 8	12 2	15 55				
E.	1	0.9	0.59 15	A.	12	19	0	86 66	8 52	- 9	15 26				
	2	1.2	0.38 10	E.	1	2	1	80 74	8 42	- 13	15 44				
	3	1.2	0.38 10	F.	11	16	0	85 72	8 22	- 21	16 20				
	4	1.1	0.49 12	V.	6	13	0	85 74	8 51	- 42	16 33				
	5	1.3	0.51 13												
W.	6	0.8	1.12 28	27. K.	14	15	2	287 265	8 9	12 2	15 56				
	7	1.0	0.66 17	A.	13	13	0	84 64	8 52	- 9	15 27				
	8	1.2	0.93 24	E.	0	3	0	82 70	8 43	- 14	15 45				
	9	1.0	0.79 20	F.	13	11	0	86 70	8 22	- 21	16 21				
	10	1.3	1.01 26	V.	8	14	0	86 71	8 51	- 42	16 34				
S.	11	1.8	0.77 20												
Dist.	Mean Temperature.			28. K.	16	23	2	286 269	8 9	12 3	15 57				
N.	°F.	°A.		A.	11	17	1	84 68	8 52	- 10	15 28				
E.	0	38	276	E.	0	3	0	82 70	8 43	- 14	15 45				
	1	37	276	F.	8	18	0	86 70	8 22	- 22	16 22				
	2	38	276	V.	10	12	0	86 72	8 51	- 43	16 35				
	3	38	276												
	4	38	276	29. K.	9	20	1	286 266	8 9	12 3	15 58				
	5	40	277	A.	10	17	0	86 66	8 52	- 10	15 28				
W.	6	40	277	E.	0	3	0	81 71	8 43	- 15	15 47				
	7	39	277	F.	6	17	0	86 71	8 22	- 22	16 22				
	8	41	278	V.	4	17	1	85 69	8 51	- 43	16 36				
	9	41	278												
	10	43	279	30. K.	13	21	2	286 263	8 9	12 4	15 59				
S.	11	45	280	A.	10	17	1	85 63	8 52	- 11	15 30				
				E.	2	1	0	80 67	8 43	- 15	15 48				
				F.	9	12	0	86 69	8 22	- 23	16 23				
				V.	6	12	1	85 71	8 51	- 44	16 37				
				31. K.	19	16	2	286 265	8 9	12 4	15 59				
				A.	14	14	1	84 63	8 52	- 11	15 30				
				E.	0	2	0	81 62	8 43	- 16	15 48				
				F.	12	13	0	86 70	8 22	- 23	16 24				
				V.	6	14	0	85 70	8 51	- 44	16 37				
Observatory.	S/N	W/E													
Orkney ...	70/35	69/31		1916 Jan.				1871-1915.							
Scilly ...	57/41	85/19		1. K.	20	16	2	286 265	8 9	12 5	16 1				
Holyhead	70/28	72/18		A.	12	18	0	86 65	8 51	- 12	15 31				
Yarmouth	59/27	85/17		E.	1	3	0	81 72	8 42	- 16	15 49				
				F.	11	17	0	86 65	8 22	- 24	16 25				
				V.	8	8	0	86 73	8 51	12 45	16 38				

N.B.—The numbers marked with a star * are means for 25 years ONLY.

† Kew (K), Aberdeen (A), Eskdale (E, 1911-15 only), Falmouth (F), Valencia (V).

26TH DECEMBER, 1915, TO 1ST JANUARY, 1916.

Astronomical and Historical Notes.

Diary.

Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.

* Change day for two-day sheets.

SOLAR HEAT.

The strength of the solar heat stream is supposed to vary from day to day. According to Abbot its mean value is—

1.93 gm. cal. per cm² per min.

= 135 milliwatts per cm².

= 32.4 kilowatt hours per m² per diem.

= 11673 joules per diem per cm².

The accompanying table is derived from the last of these values by means of Zenker's table. The variation in the sun's distance is ignored,

so that the figures represent $c \int \cos z \, dt$ where c is the mean strength of the solar heat stream, z is the sun's zenith distance, and the integral is taken over the time the sun is above the horizon.

Gross Vertical Flow of Heat per diem towards the earth from outside the Atmosphere.

Lat.	52°	56°
	Joules per sq. cm.	
Jan. 15 ...	781	539
Feb. 15 ...	1326	1083
Mar. 15 ...	2179	1961
April 15 ...	3076	2923
May 15 ...	3801	3732
June 15 ...	4117	4096
July 15 ...	3944	3906
Aug. 15 ...	3323	3202
Sept. 15 ...	2497	2303
Oct. 15 ...	1597	1361
Nov. 15 ...	927	692
Dec. 15 ...	626	410

NEW YEAR'S EVE.

1865. Barometer 27.63 in. (937mb.) at the Hoy Low Lighthouse, Orkney.

1875. Evening attendance at the Meteorological Office for the issue of Storm Warnings commenced.

Issue of Daily Weather Report No. 19,762.

☉ S 23.1°. M 8h. 7m.

New Year's Day, in England since 1751, in Scotland since 1600.

1795. Severe snow in South of Scotland. 17 shepherds perished and great numbers of sheep.

1876. Publication by "The Times" of 6 p.m. Weather Map. Suspended August, 1914.

1913. Records of Solar radiation in C.G.S. units published in D.W.R.

Daily Sheet Number

(Taken off.) 360

SUNDAY, 26th DECEMBER.

W.W.R. stations. Post

Day.

*361

MONDAY, 27th.

M.O. Press closed.

Anemo. stations. Post Day

Baro. stations. Post Day.

362

TUESDAY, 28th.

*363

WEDNESDAY, 29th.

364.

THURSDAY, 30th.

Obs.—Met. work despatch day.

*365.

FRIDAY, 31st.

Observatories—

Close Met. Journal, 62.

Electr. work, 3rd Quarter day.

M.O.—Geophysical Journal, October Copy day.

1916.

SATURDAY, 1st JANUARY.

Close Journal, 1.

1.

SIXTH WEEK OF WINTER.				YEAR XXXIX.				WEEK No. 1.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets
Dist. N.	Sun. hrs.	Rain. in. mm.		Jan.				°A.	G.M.T.		
0	0.7	1.08	27	2. K.	15	13	1	286 264	h. m.	h. m.	h. m.
E.				A.	13	16	0	85 68	8 9	12 5	16 1
1	1.0	0.63	16	E.	0	4	0	81 73	8 51	- 12	15 32
2	1.1	0.50	13	F.	13	18	0	85 59	8 42	- 17	15 49
3	1.4	0.50	13	V.	8	13	0	86 72	8 22	- 24	16 26
4	1.2	0.58	15						8 51	12 45	16 39
5	1.4	0.53	14								
W.				3. K.	15	19	1	285 267	8 9	12 6	16 2
6	0.9	1.14	29	A.	16	16	0	85 65	8 51	- 13	15 35
7	1.0	0.72	18	E.	1	2	0	81 69	8 42	- 17	15 52
8	1.5	0.89	23	F.	13	11	0	85 70	8 22	- 25	16 28
9	1.3	0.84	21	V.	11	9	0	86 72	8 51	- 46	16 40
10	1.5	1.03	26								
S.											
11	1.8	0.78	20	4. K.	15	25	1	285 264	8 9	12 6	16 3
				A.	12	21	0	82 71	8 50	- 13	15 36
				E.	1	4	0	81 70	8 42	- 18	15 54
				F.	12	14	0	85 67	8 22	- 25	16 28
				V.	8	17	0	85 69	8 50	- 46	16 41
Dist.	Mean Temperature.										
N.	°F.	°A.									
0	*38	*276									
E.											
1	*36	*276		5. K.	15	22	2	285 263	8 8	12 6	16 4
2	38	276		A.	11	11	0	83 62	8 49	- 14	15 39
3	37	276		E.	0	3	0	79 71	8 41	- 18	15 55
4	37	276		F.	9	11	0	85 66	8 22	- 26	16 30
5	39	277		V.	6	12	0	85 68	8 50	- 46	16 42
W.											
6	*39	*277									
7	39	277									
8	41	278		6. K.	20	18	0	286 266	8 7	12 7	16 6
9	40	278		A.	11	16	0	84 62	8 48	- 14	15 40
10	42	279		E.	1	2	0	79 71	8 41	- 19	15 57
S.				F.	8	17	0	85 67	8 21	- 26	16 31
11	44	280		V.	11	12	0	85 67	8 50	- 47	16 43
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E		7. K.	19	14	1	285 264	8 7	12 7	16 7
				A.	13	14	0	84 61	8 48	- 15	15 42
				E.	1	4	0	82 66	8 40	- 19	15 58
				F.	11	12	0	85 69	8 21	- 27	16 33
				V.	5	10	0	85 71	8 49	- 47	16 44
Orkney ...	69/33	72/26									
Scilly ...	41/58	81/14		8. K.	13	18	1	285 264	8 7	12 8	16 9
				A.	14	23	0	85 64	8 47	- 15	15 43
Holyhead	65/39	78/24		E.	1	4	0	82 64	8 40	- 20	16 0
				F.	6	16	1	86 69	8 20	- 27	16 34
Yarmouth	60/34	76/22		V.	9	15	0	85 71	8 49	- 48	16 46

2ND JANUARY TO 8TH JANUARY, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 23° 0. M 9h. 3m.	*2. SUNDAY, 2nd JANUARY. W.W.R. stations. Post Day. § Including pressure-tube Anemo. Stations.
☉ S 22° 9. M 10h. 13m. 1867. First meeting of the Meteorological Committee of the Royal Society.	3. MONDAY, 3rd. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 22° 8. M 11h. 20m. 1867. Camden Town min. temp. 6.7° F. Sheering, Harlow 7° F. (S.M.).	*4. TUESDAY, 4th. Climatological stations. Schedule day. Form 346, 347, 348 or 355.
☉ S 22° 7. M 12h. 26m. ● New Moon 4h. 45m. 1684. Frost very intense in London; temperature 8° below zero. The longest frost on record, and the ice on the River Thames 11 in. thick. There were shops on the river till February. —(LOWE.)*	5. WEDNESDAY, 5th. Observatories. Send curves and tabulations to complete December.
Epiphany. Twelfth Day. ☉ S 22° 6. M 13h. 26m. Benjamin Franklin b., 1706. [d. 17 Ap. 1796]. Abbott Lawrence Rotch b., 1861. [d. 7 Ap. 1912]. 1839. Beginning of two days' hurricane over British Isles. Many fatalities. Greatest hourly wind velocity of 1906, 29.1 m/s (65 ml/hr), Falmouth.	*6. THURSDAY, 6th. Obs.—Met. Work despatch day.
☉ S 22° 5. M 14h. 22m. 1881. Beginning of 21 days of severe frost. (Q.J.).† 1839. End of two days' hurricane over British Isles. Barometer 27.69 in. (939 mb.) at Aberdeen.	7. FRIDAY, 7th. H.D.I.
☉ S 22° 4. M 15h. 13m. 1735. W. or W.S.W. gale. So violent a one has not been known since the memorable one of November, 1703.—(LOWE.)* 1820. Barometer 31.046 in. (1052.5 mb.) at Gordon Castle at 9 a.m.	*8. SATURDAY, 8th. Obs.—Close Journal, 2.

* Natural Phenomena and Chronology of the Seasons.—LOWE.

† Quarterly Journal of the Royal Meteorological Society.

SEVENTH WEEK OF WINTER.				YEAR XXXIX.				WEEK No. 2.			
Normals, 1882-1911, for Districts				Notes at Observatories.*							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.		Jan.				°A.	G.M.T.		
0	0.8	1.14 29		9. K.	14	16	0	286 266	h. m.	h. m.	h. m.
E.				A.	16	14	0	87 62	8 6	12 8	16 10
1	1.1	0.50 13		E.	2	2	0	82 72	8 47	- 16	15 45
2	1.2	0.39 10		F.	7	14	0	85 71	8 39	- 20	16 1
3	1.6	0.37 9		V.	12	11	0	85 71	8 20	- 27	16 34
4	1.4	0.41 10							8 48	- 48	16 48
5	1.6	0.49 12									
W.				10. K.	16	13	1	285 264	8 6	12 9	16 12
6	1.1	0.88 22		A.	11	12	0	82 63	8 46	- 16	15 46
7	1.2	0.59 15		E.	1	4	1	81 66	8 38	- 20	16 2
8	1.6	0.73 18		F.	12	12	0	85 69	8 20	- 28	16 36
9	1.2	0.72 18		V.	7	15	0	84 72	8 48	- 49	16 50
10	1.6	0.82 21									
S.				11. K.	12	16	1	284 263	8 5	12 9	16 13
11	2.0	0.70 18		A.	11	13	0	83 61	8 44	- 16	15 48
				E.	3	3	0	81 70	8 38	- 21	16 4
				F.	12	12	0	85 70	8 19	- 28	16 37
				V.	10	8	0	85 72	8 47	- 49	16 51
				12. K.	21	13	2	285 266	8 4	12 9	16 14
				A.	13	14	0	85 68	8 44	- 17	15 50
				E.	2	2	0	79 69	8 36	- 21	16 6
				F.	14	11	0	85 69	8 19	- 29	16 39
				V.	10	12	0	85 72	8 47	- 49	16 52
				13. K.	19	18	5	286 266	8 4	12 10	16 16
				A.	18	16	0	84 65	8 42	- 17	15 52
				E.	2	4	0	84 68	8 36	- 22	16 8
				F.	14	14	0	85 71	8 18	- 29	16 40
				V.	8	14	0	85 71	8 46	- 50	16 54
				14. K.	23	15	0	285 262	8 3	12 10	16 17
				A.	16	18	0	86 63	8 42	- 18	15 54
				E.	0	3	0	83 64	8 35	- 22	16 9
				F.	17	12	0	85 71	8 17	- 29	16 41
				V.	10	16	0	85 73	8 45	- 50	16 55
				15. K.	16	15	1	285 261	8 2	12 10	16 18
				A.	16	15	0	85 68	8 40	- 18	15 56
				E.	1	2	0	79 71	8 33	- 22	16 11
				F.	10	14	0	85 70	8 17	- 30	16 43
				V.	8	15	0	85 71	8 44	- 50	16 56
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E									
Orkney ...	90/18	37/68									
Scilly ...	68/35	51/48		15. K.	16	15	1	285 261	8 2	12 10	16 18
				A.	16	15	0	85 68	8 40	- 18	15 56
Holyhead	73/24	49/58		E.	1	2	0	79 71	8 33	- 22	16 11
				F.	10	14	0	85 70	8 17	- 30	16 43
Yarmouth	67/27	51/41		V.	8	15	0	85 71	8 44	- 50	16 56

9TH JANUARY TO 15TH JANUARY, 1916.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
☉ S 22° 3'. M 16h. 1896. Barometer (sea level) 31·108 in. (1054·5 mb.), Ochertyre 9 h.; 31·106 in. (1054·5 mb.), Fort William.		9. SUNDAY, 9th JANUARY. W.W.R. stations. Post Day. § Including pressure-tube Anemo. stations.
☉ S 22° 1'. M 16h. 45m. Plough Monday. 1869. Daily Weather Report first reproduced by lithography. 1909. Reports by radio-telegraphy from Atlantic liners begun.		*10. MONDAY, 10th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 22°. M 17h. 29m. 1914. Eruption of Sakarishima, Japan.		11. TUESDAY, 11th.
☉ S 21° 8'. M 18h. 13m. First quarter. 3h. 38m. 1915. Pressure at Irkutsk reached 803 mm. = 1071 mb.		*12. WEDNESDAY, 12th.
☉ S 21° 7'. M 18h. 59m.		13. THURSDAY, 13th. Obs.—Met. Work despatch day.
☉ S 21° 5'. M 19h. 46m. 1st January (Old Style) in Russian Empire, &c. Matthew Fontaine Maury b. 1806, [d. 1st Feb., 1873]. 1205. "Began a frost which continued till March 22nd so that the ground could not be tilled."—(CHAMBERS.)		*14. FRIDAY, 14th. M. S.
☉ S 21° 3'. M 20h. 35m. 1915. Earthquake in Italy.		15. SATURDAY, 15th. Obs.—Close Journal, 3.

EIGHTH WEEK OF WINTER.				YEAR XXXIX.						WEEK No. 3.					
Normals, 1881-1910, for Districts.				Notes at Observatories.†											
Daily Sunshine and Weekly Rainfall.				Day.	No of Times.			Tempera- ture Extremes, 1871-1915.	Sun.						
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.				
Dist. N.	Sun. hrs.	Rain. in. mm.						°A.	G.M.T.						
0	0.7	1.44	37	16. K.	18	16	1	285 264	8 2	12 11	16 20				
E.				A.	15	10	1	84 65	8 39	- 18	15 57				
1	1.6	0.59	15	E.	3	3	0	79 71	8 33	- 22	16 13				
2	1.6	0.29	7	F.	7	16	0	85 71	8 15	- 30	16 45				
3	1.5	0.31	8	V.	7	11	0	85 69	8 43	- 51	16 53				
4	1.4	0.39	10												
5	1.5	0.44	11	17. K.	16	17	1	284 260	8 1	12 11	16 22				
W.				A.	16	15	1	84 59	8 38	- 19	16 0				
6	1.1	1.09	28	E.	2	2	0	81 69	8 32	- 23	16 14				
7	1.3	0.66	17	F.	12	16	1	85 70	8 14	- 30	16 46				
8	1.6	0.71	18	V.	12	16	0	85 72	8 42	- 51	17 0				
9	1.3	0.74	19												
10	1.6	0.81	21												
S.															
11	1.9	0.53	14	18. K.	20	17	3	285 267	8 0	12 11	16 24				
				A.	17	16	0	87 59	8 37	- 19	16 1				
				E.	2	4	1	80 70	8 30	- 23	16 16				
				F.	14	19	1	85 68	8 14	- 31	16 48				
				V.	8	16	0	85 71	8 41	- 51	17 2				
Dist.	Mean Temperature.														
N.	°F.	°A.													
0	*39	*277													
E.															
1	*38	*277	19. K.	16	22	4	286 267	7 58	12 12	16 26					
2	39	277	A.	15	13	0	88 66	8 35	- 19	16 3					
3	38	276	E.	2	4	1	79 72	8 29	- 24	16 19					
4	39	277	F.	17	13	0	85 69	8 13	- 31	16 49					
5	40	277	V.	7	13	0	86 70	8 40	- 52	17 4					
W.															
6	*41	*278	20. K.	7	19	3	285 264	7 57	12 12	16 27					
7	40	278	A.	17	11	0	83 67	8 34	- 20	16 6					
8	42	278	E.	1	5	0	87 71	8 28	- 24	16 20					
9	42	278	F.	13	11	0	85 70	8 11	- 31	16 51					
10	43	279	V.	13	9	0	85 70	8 39	- 52	17 5					
S.															
11	45	280													
Relative Frequencies of Wind Components 1911-1914.															
Observatory.	S/N	W/E													
Orkney ...	93/18	41/62	21 K.	20	17	3	286 264	7 56	12 12	16 28					
Scilly ...	75/20	37/68	A.	14	10	0	84 65	8 32	- 20	16 8					
Holyhead	82/25	30/78	E.	1	2	0	78 71	8 26	- 24	16 22					
Yarmouth	61/6	48/31	F.	13	13	0	85 68	8 11	- 32	16 53					
			V.	12	17	0	86 69	8 38	- 52	17 6					
			22. K.	19	22	1	286 264	7 55	12 13	16 30					
			A.	16	10	0	85 69	8 30	- 20	16 10					
			E.	3	2	0	78 68	8 24	- 24	16 24					
			F.	18	14	0	85 68	8 10	- 32	16 54					
			V.	12	14	0	85 69	8 37	- 53	17 8					

16TH JANUARY TO 22ND JANUARY, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 21.1°. M 21h. 26m.	*16. SUNDAY, 16th JANUARY. W.W.R. stations. Post Day.
☉ S 21.0°. M 22h. 16m. 1881. Low temperatures —15° F. (247° A.) Stobo, (in Stevenson's screen)—16° F. (246° A.) Kelso, —22° F. (243° A.) Blackadder.—(S.M., Vol. 16.)†	17. MONDAY, 17th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.
☉ S 20.8°. M 23h. 6m. Warren de la Rue b. 1815 [d. 19 Ap. 1839]. 1881. Great Snowstorm in South of England known as Black Tuesday (London milk supply curtailed). 1912. Capt. R. F. Scott reached South Pole. (Scott's Last Expedition.)	*18. TUESDAY, 18th.
☉ S 20.6°. M 23h. 55m. 1830. Heavy snow. Salisbury coach 17 hours coming from Andover. Severe frost.—(Q.J., 1901.)	19 WEDNESDAY, 19th.
☉ S 20.4°. Full Moon 8h. 29 m. William Ferrel b. 1817 [d. 18th Sept. 1891]. Partial eclipse of the moon 7h. 55m. to 9h. 24m. 1838. Coldest day of century. Thermometer below zero for some hours, followed almost immediately by a variation of nearly 50 degrees.—(Phil. Mag., Vol. XII.)	*20. THURSDAY, 20th. Obs.—Met. Work despatch day.
☉ S 20.1°. M 0h. 42m.	21. FRIDAY, 21st. H.D.I.
☉ S 19.9°. M 1h. 27m. St. Vincent. 1649. "Now," says Evelyn, "was the Thames frozen over, with horrid tempests of wind." (LOWE.)	*22. SATURDAY, 22nd. Obs.—Close Journal, 4.

NINTH WEEK OF WINTER.				YEAR XXXIX.								WEEK No. 4.		
Normals, 1882-1911, for Districts.				Notes at Observatories.†										
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.		Sun.				
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.			Rises.	Noon.	Sets.		
Dist. N.	Sun. hrs.	Rain. in. mm.		Jan.				°A.		G.M.T.				
0	0.9	1.69	43	23. K.	23	22	6	285 266		h. m.	h. m.	h. m.		
E.				A.	20	12	0	85 65		7 54	12 13	16 32		
1	1.7	0.57	14	E.	2	1	0	77 68		8 28	- 20	16 12		
2	1.7	0.84	9	F.	15	14	0	85 70		8 24	- 25	16 26		
3	2.2	0.36	9	V.	9	14	0	86 70		8 8	- 32	16 56		
4	1.8	0.47	12							8 36	- 53	17 10		
5	2.1	0.47	12											
W.				24. K.	18	19	5	285 266		7 53	12 13	16 33		
6	1.3	1.11	28	A.	16	12	1	85 64		8 27	- 21	16 15		
7	1.6	0.74	19	E.	1	3	0	81 69		8 22	- 25	16 28		
8	1.8	0.83	21	F.	14	10	0	84 69		8 7	- 32	16 57		
9	1.6	0.82	21	V.	5	14	0	85 68		8 35	- 53	17 11		
10	1.8	0.80	20											
S.				25. K.	18	16	1	285 266		7 52	12 13	16 34		
11	2.3	0.63	16	A.	14	7	0	85 66		8 25	- 21	16 17		
				E.	3	3	0	83 69		8 20	- 25	16 30		
				F.	12	10	0	85 69		8 7	- 33	16 59		
				V.	10	16	0	85 69		8 34	- 53	17 12		
Dist.	Mean Temperature.													
N.	°F.	°A.												
0	*39	*277												
E.				26. K.	18	12	4	285 265		7 51	12 14	16 36		
1	*42	*279		A.	11	9	1	86 60		8 23	- 21	16 19		
2	39	277		E.	3	0	0	84 66		8 19	- 25	16 31		
3	38	276		F.	11	13	0	85 70		8 5	- 33	17 1		
4	39	277		V.	5	19	0	85 71		8 33	- 54	17 14		
5	40	277												
W.				27. K.	13	12	1	286 266		7 50	12 14	16 38		
6	*40	*278		A.	14	10	0	85 61		8 21	- 21	16 21		
7	40	277		E.	3	3	0	80 71		8 18	- 26	16 34		
8	41	278		F.	13	14	0	85 70		8 4	- 33	17 2		
9	41	278		V.	6	9	0	85 72		8 32	- 54	17 16		
10	43	279												
S.				28. K.	16	10	2	284 266		7 48	12 14	16 40		
11	44	280		A.	13	11	0	85 59		8 19	- 21	16 23		
				E.	2	5	1	80 65		8 16	- 26	16 36		
				F.	11	8	0	85 70		8 2	- 33	17 4		
				V.	8	12	0	84 71		8 30	- 54	17 18		
Relative Frequencies of Wind Components 1911-1914.														
Observatory.	S/N	W/E												
Orkney ...	63/40	55/39												
Scilly ...	70/29	62/46		29. K.	15	13	4	285 265		7 47	12 14	16 42		
Holyhead	80/27	50/55		A.	10	7	0	87 66		8 18	- 22	16 26		
Yarmouth	70/28	75/35		E.	3	2	0	80 63		8 14	- 26	16 38		
				F.	13	11	0	85 69		8 2	- 34	17 6		
				V.	11	7	0	85 70		8 28	- 54	17 20		

23RD JANUARY TO 29TH JANUARY, 1916.											
Astronomical and Historical Notes.										Diary.	
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.											
☉ S 19.7°. M 2h. 10m.										23. SUNDAY, 23rd JANUARY.	
										W.W.R. stations. Post Day	
☉ S 19.5°. M 2h. 52m. 1728-9. January 24, a hard frost began which lasted 9 weeks.—(ALMANACK.) 1683-84. Thames planted with booths in formal streets.—(Q.J. XXVIII.)										*24. MONDAY, 24th. Anemo. stations. Post Day. Baro. stations. Post Day.	
☉ S 19.2°. M 3h. 35m. St. Paul's Day. Formerly believed to foreshadow the weather of the year.										25. TUESDAY, 25th.	
☉ S 19.0°. M 4h. 20m. 1884. Great Snowstorm, Barometer 27.332 in. (926.5 mb.), (Sea level), Ochertyre.										*26. WEDNESDAY, 26th.	
☉ S 18.7°. M 5h. 7m. 1866. Meteorological Society Incorporated by Royal Charter. 1881. End of 21 days' spell of severe frost.										27. THURSDAY, 27th. Balloon Day. Obs.—Met. work despatch day.	
☉ S 18.5°. M 5h. 58m. ☾ Last Quarter 0h. 35m.										*28. FRIDAY, 28th.	
☉ S 18.2°. M 6h. 54m.										29. SATURDAY, 29th. Obs.—Close Journal, 5.	

TENTH WEEK OF WINTER.				YEAR XXXIX.										WEEK No. 5.		
Normals, 1881-1910, for Districts.				Notes at Observatories.†												
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.							
					Rainless in 35 Yrs	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.					
Dist. N.	Sun. hrs.	Rain. in. mm.		Jan.				°A.		G.M.T.						
0	1.2	1.31 33		30 K.	17	13	2	286 268		h. m.	h. m.	h. m.				
E.				A.	12	13	0	85 67		7 45	12 14	16 44				
1	1.9	0.55 14		E.	1	4	0	82 66		8 16	- 22	16 28				
2	2.0	0.31 8		F.	9	11	0	85 70		8 12	- 26	16 40				
3	2.4	0.37 9		V.	9	8	0	86 71		8 0	- 34	17 8				
4	2.0	0.49 12								8 27	- 54	17 22				
5	2.2	0.50 13														
W.				31 K.	18	14	0	286 269		7 44	12 15	16 46				
6	1.6	0.97 25		A.	12	10	0	87 64		8 14	- 22	16 30				
7	1.7	0.69 18		E.	2	3	0	81 65		8 10	- 26	16 42				
8	2.2	0.77 20		F.	11	12	0	85 70		7 59	- 34	17 9				
9	1.7	0.73 18		V.	9	15	1	85 71		8 26	- 55	17 24				
10	2.0	0.72 18														
S.																
11	2.6	0.63 16														
				Feb.												
Dist. N	Mean Temperature.			1 K.	19	12	1	287 268		7 42	12 15	16 48				
0	°F.	°A.		A.	13	7	0	86 64		8 12	- 22	16 32				
E.				E.	2	2	0	82 64		8 9	- 27	16 45				
1	*37	*276		F.	12	9	0	85 70		7 57	- 34	17 11				
2				V.	13	12	0	85 71		8 25	- 55	17 25				
3																
4				2 K.	14	10	1	285 267		7 40	12 15	16 50				
5				A.	11	7	0	85 69		8 10	- 22	16 34				
W.				E.	2	2	0	81 65		8 7	- 27	16 47				
6	*33	*277		F.	17	5	0	85 70		7 56	- 34	17 12				
7	40	277		V.	10	8	0	85 70		8 23	- 55	17 27				
8																
9				3 K.	22	16	1	285 267		7 39	12 15	16 51				
10				A.	12	11	0	83 64		8 7	- 22	16 37				
S.				E.	1	4	0	82 63		8 5	- 27	16 49				
11	44	280		F.	16	12	0	86 73		7 54	- 34	17 14				
				V.	10	7	0	85 69		8 21	- 55	17 29				
Relative Frequencies of Wind Components 1911-1914.				4 K.	19	8	0	286 268		7 37	12 15	16 53				
Observatory.	S/N	W/E		A.	15	6	0	84 60		8 6	- 22	16 38				
Orkney ...	68/35	71/26		E.	2	2	0	81 61		8 3	- 27	16 51				
Scilly ...	62/26	42/61		F.	15	10	0	85 73		7 52	- 34	17 16				
Holyhead	66/40	57/41		V.	8	15	0	85 72		8 19	- 55	17 31				
Yarmouth	61/37	78/25														
				5 K.	25	15	0	285 266		7 35	12 15	16 55				
				A.	16	12	0	86 62		8 4	- 23	16 42				
				E.	2	3	0	81 61		8 1	- 27	16 53				
				F.	18	10	0	85 70		7 51	- 34	17 17				
				V.	13	12	0	85 71		8 17	- 55	17 33				

ELEVENTH WEEK OF WINTER.				YEAR XXXIX.								WEEK No. 6.		
Normals, 1882-1911, for Districts.				Notes at Observatories.†										
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.		Sun.				
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.			Rises.	Noon.	Sets.		
Dist. N.	Sun. hrs.	Rain. in. mm.		Feb.				°A.		G.M.T.				
0	1.5	1.10 28		6. K.	20	16	2	284 263		h. m.	h. m.	h. m.		
E.				A.	16	13	0	85 66		7 34	12 15	16 56		
1	2.5	0.48 12		E.	1	3	0	80 67		8 2	- 23	16 44		
2	2.5	0.28 7		F.	14	10	0	85 68		7 59	- 27	16 55		
3	2.5	0.31 8		V.	5	13	1	85 68		7 50	- 35	17 20		
4	2.1	0.39 10								8 15	- 55	17 35		
5	2.2	0.45 11												
W.				7. K.	17	14	2	287 261		7 32	12 15	16 58		
6	2.1	0.94 24		A.	10	12	0	85 65		8 0	- 23	16 46		
7	2.0	0.57 14		E.	1	4	0	81 73		7 57	- 27	16 57		
8	2.2	0.64 16		F.	15	14	0	85 71		7 49	- 35	17 21		
9	2.1	0.70 18		V.	4	11	0	85 69		8 13	- 55	17 37		
10	2.3	0.78 20												
S.														
11	2.7	0.53 14		8. K.	16	14	1	285 262		7 31	12 15	16 59		
				A.	15	7	0	84 59		7 57	- 23	16 49		
				E.	0	1	0	80 72		7 55	- 27	16 59		
				F.	11	12	0	85 71		7 47	- 35	17 23		
				V.	6	10	0	85 73		8 12	- 55	17 38		
Dist. N.	Mean Temperature.													
0	°F.	°A.												
	*37	*276												
E.														
1	*37	*276												
2	38	276		9. K.	18	13	1	287 262		7 29	12 15	17 1		
3	38	276		A.	15	11	0	85 59		7 55	- 23	16 51		
4	38	276		E.	1	2	0	82 71		7 53	- 27	17 1		
5	39	277		F.	9	14	0	87 72		7 45	- 35	17 25		
W.				V.	4	10	0	85 72		8 10	- 55	17 40		
6	*39	*277												
7	39	277												
8	41	278												
9	40	278		10. K.	17	9	1	290 266		7 27	12 15	17 3		
10	42	279		A.	14	8	0	86 60		7 53	- 23	16 53		
S.				E.	1	4	0	81 73		7 51	- 27	17 3		
11	44	279		F.	12	7	0	87 71		7 43	- 35	17 27		
				V.	5	6	0	86 71		8 8	- 55	17 42		
Relative Frequencies of Wind Components 1911-1914.														
Observatory.	S/N	W/E		11. K.	19	9	2	286 267		7 25	12 15	17 5		
				A.	15	11	1	86 63		7 51	- 23	16 55		
				E.	2	2	1	81 67		7 49	- 27	17 5		
				F.	14	8	1	85 71		7 42	- 35	17 28		
				V.	12	5	0	85 69		8 6	- 55	17 44		
Orkney ...	87/20	55/46												
Scilly ...	79/27	42/61		12. K.	24	8	2	287 265		7 23	12 15	17 7		
				A.	13	7	0	85 65		7 48	- 23	16 58		
Holyhead	79/25	44/51		E.	1	4	1	80 66		7 46	- 27	17 8		
				F.	13	7	1	85 70		7 40	- 35	17 30		
Yarmouth	85/23	58/36		V.	12	6	0	85 69		8 4	- 55	17 46		

6TH FEBRUARY TO 12TH FEBRUARY, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 15.9°. M 14h. 35m. St. Dorothea. 1665. "One of the coldest days, they say, ever felt in England."—(PEPYS.)	37. SUNDAY, 6th FEBRUARY. W.W.R. stations. Post Day.
☉ S 15.6°. M 15h. 21m. Southport. Highest wind of 1913, hourly ve- locity, 27.7 m/s (62 ml/hr), strongest gust 38.4 m/s (86 ml/hr). 1895. Temperature—10° F. (250° A.) at Barkby, near Leicester.	*38. MONDAY, 7th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 15.3°. M 16h. 6m. 1750. Last considerable earthquake in England. —(HORACE WALPOLE'S LETTERS.) 1895. Beginning of 14 days' frost with skating on the Serpentine. Temperature —12° F. (249° A.). Braemar. 1906. Line squall.—(Q.J.).	39. TUESDAY, 8th.
☉ S 15.0°. M 16h. 53m. 1731. River Thames frozen up.—(SHORT.)	*40. WEDNESDAY, 9th.
☉ S 14.7°. M 17h. 40m. ☾ First quarter 22h. 20m.	41. THURSDAY, 10th. Obs.—Met. work despatch day.
☉ S 14.4°. M 18h. 29m. Hon. R. Abercromby, b. 1842 [d. 21 June, 1897]. 1895. Temperature—17° F. (246° A.). Braemar. 1899. 64° F. shade temp. Camden Town. Pres- sure 31.42 in. (1064 mb.) at Swift Current, Assiniboia.—(S.M.)	*42. FRIDAY, 11th H.D.I.
☉ S 14.0°. M 19h. 19m. St. Eulalie.	43. SATURDAY, 12th. Obs.—Close Journal, S.

TWELFTH WEEK OF WINTER.				YEAR XXXIX.						WEEK No. 7.		
Normals, 1881-1910, for Districts.				Notes at Observatories.†								
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.			
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.	
Dist. N.	Sun. hrs.	Rain. in. mm.		Feb.				°A.		G.M.T.		
0	2.1	1.33 34		13. K.	17	9	3	286 264		h. m.	h. m.	h. m.
E.				A.	6	10	0	84 62		7 21	12 15	17 9
1	2.8	0.57 14		E.	2	3	0	80 69		7 46	- 23	17 0
2	2.8	0.37 9		F.	14	11	0	85 71		7 44	- 27	17 10
3	2.9	0.42 11		V.	10	11	0	85 68		7 38	- 35	17 32
4	2.5	0.47 12								8 2	- 55	17 48
5	2.9	0.51 13										
W.				14. K.	18	15	1	287 266		7 19	12 15	17 11
6	2.3	1.09 28		A.	11	10	1	84 64		7 44	- 23	17 2
7	2.6	0.61 16		E.	3	2	0	81 72		7 42	- 27	17 12
8	2.8	0.79 20		F.	14	8	0	86 72		7 36	- 35	17 34
9	2.5	0.66 17		V.	11	12	0	85 68		8 0	- 55	17 50
10	2.7	0.78 20										
S.												
11	3.4	0.70 18		15. K.	14	14	0	286 270		7 17	12 15	17 13
				A.	20	7	0	87 65		7 41	- 23	17 5
				E.	2	2	0	81 72		7 39	- 27	17 15
				F.	14	12	0	85 70		7 35	- 35	17 35
				V.	12	7	0	85 72		7 58	- 55	17 52
Dist.	Mean Temperature.											
N.	°F.	°A.										
0	*37	*276		16. K.	22	12	0	285 265		7 16	12 15	17 14
E.				A.	16	9	0	87 61		7 39	- 23	17 7
1	*37	*276		E.	1	1	0	82 71		7 37	- 27	17 17
2	39	277		F.	15	12	0	85 70		7 33	- 35	17 37
3	38	276		V.	9	15	0	85 73		7 57	- 55	17 53
4	38	277										
5	40	277										
W.												
6	*39	*277		17. K.	17	8	0	287 266		7 14	12 15	17 16
7	40	277		A.	16	8	0	84 65		7 37	- 23	17 9
8	41	278		E.	1	4	0	83 71		7 35	- 27	17 19
9	40	278		F.	12	10	0	85 68		7 31	- 35	17 39
10	42	278		V.	10	11	0	85 71		7 55	- 55	17 55
S.												
11	44	280										
Relative Frequencies of Wind Components 1911-1914.				18. K.	21	11	0	286 266		7 12	12 15	17 18
				A.	15	10	0	86 62		7 34	- 23	17 12
				E.	1	3	0	82 72		7 33	- 27	17 21
				F.	13	5	0	86 73		7 28	- 34	17 40
				V.	10	7	0	86 73		7 53	- 55	17 57
Observatory.	S/N	W/E										
Orkney ...	99/6	61/31		19. K.	17	12	0	287 268		7 10	12 15	17 20
Scilly ...	62/35	58/47		A.	14	13	0	87 62		7 31	- 22	17 13
Holyhead	77/30	66/38		E.	1	0	0	82 69		7 31	- 27	17 23
				F.	14	9	0	86 73		7 27	- 34	17 41
Yarmouth	76/29	64/35		V.	11	9	0	86 71		7 51	- 55	17 59

13TH FEBRUARY TO 19TH FEBRUARY, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 13.7°. M 20h. 10m. 1899. Min. temp. New Orleans 7° F. Ice 2 in. thick on Mississippi.—(S.M.)	*44. SUNDAY, 13th FEBRUARY. W.W.R. stations. Post Day.
☉ S 13.4°. M 21h. 0m. St. Valentine. 1698. Great Snowstorm: snow drifts several yards deep.—(LOWE.)	45. MONDAY, 14th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.
☉ S 13.0°. M 21h. 50m. 1907. Full service of telegraphic reports from Iceland.	*46. TUESDAY, 15th.
☉ S 12.7°. M 22h. 37m. Sir F. Galton b. 1822, [d. 17th Jan., 1911].	47. WEDNESDAY, 16th. M.O.—Half-yearly issue of cards to Sunshine stations.
☉ S 12.4°. M 23h. 23m. 1571. Earthquake in Herefordshire.	*48. THURSDAY, 17th. Obs.—Met. work despatch day.
☉ S 12.0°. Galileo Galilei b. [d. Jan. 8th, 1642]. 1895. Ice 10 in. thick, Regent's Park.	49. FRIDAY, 18th.
☉ S 11.7°. M 0h. 7m. ☉ Full Moon 2h. 29m. 1895. Remarkable Temperature Inversion. 9 a.m., Ben Nevis, Summit, 274° A., Fort William 264° A. 1895. Ice 7½ in. thick, Serpentine. (Q.J.) Strongest gust of 1910, 38.9 m/s (87 ml/hr), Pendennis.	*50. SATURDAY, 19th. Obs.—Close Journal, 9.

THIRTEENTH WEEK OF WINTER.				YEAR XXXIX.						WEEK No. 8.		
Normals, 1881-1910, for Districts.				Notes at Observatories,†								
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.			
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.	
Dist.	Sun. hrs.	Rain. in. mm.		Feb.				°A.	G.M.T.			
N.	0	2.3	0.98 25	20. K.	15	16	2	287 269	h. m.	h. m.	h. m.	
E.	1	2.7	0.52 13	A.	13	8	0	85 64	7 8	12 15	17 22	
	2	2.7	0.31 8	E.	2	1	0	80 70	7 29	- 22	17 15	
	3	3.0	0.29 7	F.	15	8	0	85 72	7 29	- 27	17 25	
	4	2.6	0.38 10	V.	11	9	1	85 72	7 25	- 34	17 43	
	5	3.1	0.41 10						7 49	- 55	18 1	
W.	6	2.2	0.87 22	21. K.	22	15	1	286 268	7 6	12 15	17 24	
	7	2.6	0.55 14	A.	18	10	0	86 69	7 26	- 22	17 18	
	8	2.9	0.66 17	E.	1	1	0	81 69	7 26	- 27	17 28	
	9	2.5	0.68 17	F.	14	9	0	85 71	7 23	- 34	17 45	
S.	10	2.8	0.81 21	V.	11	10	0	85 71	7 47	- 55	18 3	
	11	3.5	0.56 14									
				22. K.	21	12	4	286 268	7 4	12 15	17 26	
				A.	14	10	0	89 65	7 24	- 22	17 20	
				E.	2	1	0	83 67	7 24	- 27	17 30	
				F.	16	5	0	85 72	7 21	- 34	17 47	
				V.	11	6	0	85 72	7 45	- 55	18 5	
Dist.	Mean Temperature.											
N.	0	°F. *38 °A. *277										
E.	1	*37 *276		23. K.	7	12	0	286 268	7 2	12 15	17 28	
	2	39 277		A.	17	6	0	85 68	7 21	- 22	17 23	
	3	39 277		E.	1	0	0	82 65	7 21	- 26	17 31	
	4	39 277		F.	18	9	0	86 71	7 19	- 34	17 49	
	5	40 278		V.	11	5	1	87 71	7 43	- 55	18 7	
W.	6	*39 *277										
	7	40 277		24. K.	21	5	0	287 267	6 59	12 14	17 29	
	8	41 278		A.	13	11	0	86 64	7 19	- 22	17 25	
	9	41 278		E.	2	0	0	80 67	7 19	- 26	17 33	
S.	10	43 279		F.	20	5	1	86 70	7 17	- 34	17 51	
	11	44 280		V.	10	8	0	86 72	7 41	- 54	18 8	
Relative Frequencies of Wind Components 1911-1914.				25. K.	21	10	0	286 268	6 57	12 14	17 31	
				A.	15	12	0	87 62	7 16	- 22	17 28	
				E.	2	0	0	82 67	7 16	- 26	17 36	
Observatory.	S/N	W/E		F.	15	8	0	86 69	7 15	- 34	17 52	
				V.	11	8	0	85 72	7 39	- 54	18 10	
Orkney ...	72/33	57/48		26. K.	15	8	2	287 268	6 55	12 14	17 33	
Scilly ...	60/39	69/37		A.	12	11	0	88 67	7 14	- 22	17 30	
Holyhead	81/17	58/48		E.	0	3	1	81 63	7 14	- 26	17 38	
Yarmouth	67/29	56/35		F.	13	9	0	85 70	7 13	- 33	17 53	
				V.	12	5	0	86 72	7 37	- 54	18 12	

20TH FEBRUARY TO 26TH FEBRUARY, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
<p>☉ S 11.3°. M 0h. 51m. Septuagesima. 1663. "Danzig Phenomenon." 1895. Ice 7½ in. thick, Serpentine. (Q.J.) 1907. "Berlin" wrecked, North Sea.</p>	<p>51. SUNDAY, 20th FEBRUARY. W.W.R. stations. Post Day.</p>
<p>☉ S 10.9°. M 1h. 34m. 1895. End of 14 days' frost with skating on Serpentine. Greatest hourly wind velocity of 1910, 28.2 m/s (63 ml/hr), strongest gust 38 m/s (85 ml/hr), Southport. (See also Dec. 16.)</p>	<p>*52. MONDAY, 21st. Anemo. stations. Post Day. Baro. stations. Post Day.</p>
<p>☉ S 10.6°. M 2h. 18m. St. Peter. Greatest wind velocity of 1908, 26.4 metres per sec. (59 mls. per hr.), Deerness.</p>	<p>53. TUESDAY, 22nd.</p>
<p>☉ S 10.2°. M 3h. 5m.</p>	<p>*54. WEDNESDAY, 23rd.</p>
<p>☉ S 9.9°. M 3h. 56m. St. Mathias.</p>	<p>55. THURSDAY, 24th. Balloon Day. Obs.—Met. work despatch day.</p>
<p>☉ S 9.5°. M 4h. 49m.</p>	<p>*56. FRIDAY, 25th. H.D.I.</p>
<p>☉ S 9.1°. M 5h. 47m. ☾ Last quarter 9h. 24m.</p>	<p>57. SATURDAY, 26th. Obs.—Close Journal, 10.</p>

FIRST WEEK OF SPRING.				YEAR XXXIX.				WEEK No. 9.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Temperature Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.		Feb.				°A.	G.M.T.		
0	2.4	0.86	22	27. K.	17	7	2	287 268	h. m.	h. m.	h. m.
E.				A.	14	7	0	85 67	6 54	12 14	17 34
1	2.8	0.50	13	E.	1	3	0	81 69	7 10	- 21	17 32
2	3.0	0.47	12	F.	14	9	1	85 72	7 12	- 26	17 40
3	2.9	0.40	10	V.	9	4	0	85 70	7 11	- 33	17 55
4	2.7	0.46	12						7 35	- 54	18 13
5	3.1	0.50	13								
W.				28. K.	13	7	2	287 267	6 52	12 14	17 36
6	2.7	0.78	20	A.	14	6	0	84 69	7 8	- 21	17 34
7	2.9	0.58	15	E.	1	4	1	84 70	7 10	- 26	17 42
8	3.2	0.74	19	F.	16	3	1	85 71	7 9	- 33	17 57
9	2.6	0.71	18	V.	7	8	0	86 70	7 33	- 54	18 15
10	3.0	0.73	18								
S.											
11	3.9	0.63	16								
				29. K.	2	1	0	288 271	6 50	12 14	17 38
Dist. N.	Mean Temperature.			A.	2	1	0	85 72	7 6	- 21	17 36
0	*38	*276		E.	0	0	0	—	7 7	- 25	17 43
E.				F.	2	2	0	86 71	7 7	- 33	17 59
1	*37	*276		V.	2	1	0	85 75	7 31	- 54	18 17
2	39	277									
3	39	277		Mar.							
4	39	277		1. K.	11	7	1	286 269	6 47	12 13	17 39
5	40	277		A.	11	10	0	90 68	7 3	- 21	17 38
W.				E.	1	2	0	82 72	7 4	- 25	17 46
6	*39	*277		F.	13	5	0	86 71	7 5	- 33	18 1
7	39	277		V.	13	4	1	87 72	7 28	- 53	18 18
8	41	278									
9	41	278		2. K.	19	3	1	287 268	6 45	12 13	17 41
10	42	279		A.	14	6	1	85 66	7 1	- 21	17 41
S.				E.	1	1	0	83 72	7 2	- 25	17 48
11	44	280		F.	13	4	0	86 70	7 2	- 32	18 2
				V.	12	8	0	86 72	7 26	- 53	18 20
Relative Frequencies of Wind Components 1911-1914.				3. K.	17	10	1	290 268	6 43	12 13	17 43
Observatory.	S/N	W/E		A.	12	6	1	89 66	6 58	- 20	17 43
			E.	0	3	1	82 75	7 0	- 25	17 50	
Orkney ...	79/24	73/23		F.	12	4	0	85 69	7 0	- 32	18 4
Scilly ...	71/30	91/11		V.	8	6	0	86 72	7 24	- 53	18 22
Holyhead	91/14	86/14									
Yarmouth	77/24	89/5									
				4. K.	16	6	1	289 265	6 41	12 13	17 45
				A.	11	9	0	86 64	6 55	- 20	17 45
				E.	2	3	0	82 73	6 57	- 25	17 53
				F.	15	7	0	86 68	6 58	- 32	18 6
				V.	10	8	1	85 72	7 22	- 53	18 24

27TH FEBRUARY TO 4TH MARCH, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 8° 7'. M 6h. 48m. 1903. Destructive Circular Storm. Strongest gust 39.3 m/s (88 ml/hr), Pendennis. Maximum hourly velocity, 24.6 m/s (55 ml/hr). (Q.J.)	*58. SUNDAY, 27th FEBRUARY. W.W.R. stations. Post Day.
☉ S 4°. M 7h. 50m. St. Romanus. René Antoine Ferchault de Réaumur b., 1683 [d. 17 Oct., 1757]. Strongest gust of 1903, 37.6 m/s (84 ml/hr), Scilly.	59. MONDAY, 28th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17 h.
☉ S 8° 0'. M 8h. 52m.	*60. TUESDAY, 29th. Obs.—Close Journal, 11. M.O.—Geophysical Journal, December Copy day. Sunshine stations. Equinoctial cards (straight) to be used from 1st March until 12th April.
☉ S 7° 6'. M 9h. 50m. St. David.	61. WEDNESDAY, 1st MARCH.
☉ S 7° 2'. M 10h. 44m. St. Chad. Sir W. J. L. Wharton b., 1843 [d. 29 Sept., 1905]. 1784. Blanchard, aeronaut, made his first ascent from Paris in a hydrogen balloon.	*62. THURSDAY, 2nd. M.O.—Introductions to W.W.R. and M.W.R. 1915. Copy day. Obs.—Met. work despatch day.
☉ S 6° 8'. M 11h. 35m. St. Winnold.	63. FRIDAY, 3rd.
☉ S 6° 5'. M 12h. 24m. ● New Moon 3h. 58m. Strongest gust of 1912, 43.8 m/s (98 ml/hr), Pendennis Castle. (See also Dec. 26th.)	*64. SATURDAY, 4th. Climatological stations. Schedule day. Observatories send curves and tabulations to complete month. Obs.—Close Journal, 12.

SECOND WEEK OF SPRING.				YEAR XXXIX.				WEEK No. 10.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Temperature Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist.	Sun.	Rain.		Mar.				°A.	G.M.T.		
N.	hrs.	in.	mm.						h. m.	h. m.	h. m.
0	2.5	1.17	30	5. K.	19	7	1	287 265	6 39	12 13	17 47
E.				A.	10	6	0	84 61	6 53	- 20	17 48
1	3.0	0.63	16	E.	0	1	0	82 70	6 54	- 24	17 54
2	3.3	0.47	12	F.	11	5	0	86 72	6 56	- 32	18 8
3	3.4	0.39	10	V.	10	5	0	85 72	7 20	- 53	18 26
4	2.9	0.45	11								
5	3.4	0.52	13								
W.				6. K.	18	6	0	289 270	6 36	12 12	17 48
6	2.9	0.95	24	A.	6	6	1	85 68	6 50	- 20	17 50
7	2.9	0.65	16	E.	0	1	0	83 74	6 52	- 24	17 56
8	3.4	0.76	19	F.	14	6	0	87 73	6 54	- 32	18 9
9	2.9	0.69	18	V.	8	4	0	85 75	7 17	- 52	18 28
10	3.6	0.73	18								
S.				7. K.	16	8	1	289 268	6 34	12 12	17 50
11	4.0	0.69	18	A.	14	9	0	88 69	6 47	- 19	17 52
				E.	1	0	0	80 73	6 50	- 24	17 58
				F.	10	8	1	87 73	6 52	- 31	18 10
				V.	7	8	0	86 73	7 15	- 52	18 30
Dist.	Mean Temperature.										
N.		°F.	°A.								
0		*38	*276								
E.											
1	*38	*276		8. K.	12	13	0	289 269	6 32	12 12	17 52
2	39	277		A.	13	5	0	86 68	6 44	- 19	17 54
3	40	277		E.	1	3	0	79 71	6 47	- 24	18 1
4	40	277		F.	10	9	0	86 72	6 50	- 31	18 12
5	41	279		V.	11	5	0	86 72	7 13	- 52	18 32
W.											
6	*40	*277		9. K.	16	9	0	288 268	6 30	12 12	17 54
7	40	277		A.	11	7	0	87 68	6 42	- 19	17 57
8	41	278		E.	3	1	0	80 68	6 44	- 23	18 2
9	41	278		F.	9	9	0	86 72	6 48	- 31	18 14
10	42	279		V.	11	8	0	85 72	7 11	- 52	18 34
S.											
11	44	280		10. K.	20	10	1	288 269	6 27	12 11	17 56
				A.	13	9	0	87 69	6 40	- 19	17 59
				E.	1	1	0	81 66	6 42	- 23	18 4
				F.	14	10	0	85 70	6 46	- 31	18 16
				V.	12	7	0	86 71	7 8	- 51	18 35
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E									
Orkney ...	58/44	84/20		11. K.	24	10	1	287 268	6 25	12 11	17 57
Scilly ...	42/52	90/17		A.	21	6	0	86 68	6 36	- 18	18 0
Holyhead	65/40	94/11		E.	0	0	0	81 69	6 39	- 23	18 7
				F.	20	7	0	86 71	6 43	- 30	18 17
Yarmouth	58/37	93/12		V.	10	6	0	85 71	7 5	- 51	18 37

5TH MARCH TO 11TH MARCH, 1916.											
Astronomical and Historical Notes.								Diary.			
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.											
☉ S 6.1°. M 13h. 10m. Shrove Sunday.								SUNDAY, 5th MARCH. W.W.R. stations. Post Day.			
☉ S 5.7°. M 13h. 57m.								MONDAY, 6th. Anemo. stations. Post Day. Baro. stations. Post Day.			
☉ S 5.3°. M 14h. 43m. Sir J. F. W. Herschel b. 1792 [d. 11 May, 1871].								TUESDAY, 7th.			
☉ S 4.9°. M 15h. 31m. Ash Wednesday. 1890. Thunderstorm and whirlwind at York. (Q.J.)								WEDNESDAY, 8th.			
☉ S 4.5°. M 16h. 20m.								THURSDAY, 9th. Obs.—Met. work despatch day.			
☉ S 4.1°. M 17h. 11m.								FRIDAY, 10th. H.D.I.			
☉ S 3.7°. M 18h. 2m. ☾ First quarter 18h. 33m. 1811. Leverrier born [d. 23 Sept. 1877]. 1872. Weather Charts first included in D.W.R. 1911. Western European Standard time (G.M.T.) adopted in France.								SATURDAY, 11th. Obs.—Close Journal, 13.			

THIRD WEEK OF SPRING.				YEAR XXXIX.				WEEK No. 11.												
Normals, 1881-1910, for Districts.				Notes at Observatories.† *																
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes 1871-1915.	Sun.											
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.									
Dist.	Sun.	Rain.		Mar. 12.	K.	24	7	3	°A.		G.M.T.									
N.	hrs.	in.	mm.								h. m.	h. m.	h. m.							
0	2.9	1.03	26								A.	10	6	0	89	67	6 34	- 18	18 3	
E.	1	3.5	0.52								12	E.	2	2	0	85	70	6 37	- 23	18 9
	2	4.1	0.31								8	F.	16	7	0	86	72	6 41	- 30	18 19
	3	4.1	0.26	7	V.	11	8	0	85	73	7 3	- 51	18 39							
	4	3.6	0.32	8																
	5	4.0	0.34	9																
W.	6	3.4	0.73	18	13.	K.	19	6	1	287	269	6 20	12 11	18 0						
	7	3.5	0.49	12	A.	17	5	0	88	68	6 31	- 18	18 5							
	8	3.9	0.51	13	E.	1	1	0	84	69	6 34	- 22	18 10							
	9	3.0	0.58	15	F.	14	8	0	86	71	6 39	- 30	18 20							
	10	3.3	0.61	16	V.	10	5	1	86	71	7 0	- 51	18 41							
S.	11	5.1	0.39	10																
					14.	K.	15	6	0	288	269	6 18	12 10	18 3						
					A.	12	8	0	87	68	6 29	- 18	18 8							
					E.	1	1	0	86	72	6 32	- 22	18 12							
					F.	10	8	0	86	69	6 37	- 29	18 21							
					V.	11	8	0	86	72	6 58	- 50	18 43							
Dist.	Mean Temperature.																			
N.	°F.	°A.																		
0	*39	*277																		
E.																				
1	*39	*277																		
2	41	278		15.	K.	13	5	1	292	270	6 15	12 10	18 5							
3	41	278		A.	18	4	0	0	86	68	6 26	- 17	18 9							
4	41	278		E.	2	0	0	0	83	68	6 29	- 22	18 15							
5	42	279		F.	13	5	0	0	86	73	6 35	- 29	18 23							
W.				V.	10	4	0	0	89	73	6 55	- 50	18 45							
	6	*41	*278																	
	7	41	278																	
	8	43	279																	
	9	42	279	16.	K.	22	4	0	291	269	6 13	12 10	18 7							
	10	44	280	A.	10	3	0	0	90	66	6 23	- 17	18 11							
S.				E.	1	0	0	0	86	67	6 26	- 21	18 16							
11	45	280		F.	17	3	0	0	87	73	6 33	- 29	18 25							
				V.	12	6	0	0	90	72	6 53	- 50	18 46							
Relative Frequencies of Wind Components 1911-1914.																				
				17.	K.	20	6	0	290	268	6 10	12 9	18 8							
				A.	12	6	0	0	88	65	6 21	- 17	18 14							
				E.	2	2	0	0	81	69	6 24	- 21	18 18							
Observatory.	S/N	W/E		F.	12	9	0	0	87	71	6 31	- 29	18 27							
				V.	10	5	0	0	87	71	6 50	- 49	18 48							
Orkney ...	64/38	54/49																		
Scilly ...	52/44	92/16		18.	K.	22	8	0	290	269	6 8	12 9	18 10							
				A.	10	6	0	0	88	62	6 17	- 16	18 15							
Holyhead	49/37	61/19		E.	1	0	0	0	80	64	6 22	- 21	18 20							
				F.	16	3	0	0	87	72	6 28	- 28	18 28							
Yarmouth	69/31	81/18		V.	11	7	0	0	86	72	6 48	- 49	18 50							

12TH MARCH TO 18TH MARCH, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 3.3°. M 18h. 52m. 1st Sunday in Lent.	SUNDAY, 12th MARCH. *72. W.W.R. stations. Post Day.
☉ S 2.9°. M 19h. 42m. 1900. Highest barometer reading on board ship in N. Atlantic, 31.09 in. (1054 mb.), s.s. "Lumen" in 55° N., 24° W.	MONDAY, 13th. 73. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.
☉ S 2.6°. M 20h. 30m. Greatest wind velocity of 1905, 32.2 m/s (72 ml/hr), gust 46 m/s (103 ml/hr), Pen-dennis Castle. Highest record for M.O. for anemographs.	TUESDAY, 14th. *74.
☉ S 2.2°. M 21h. 16m. 1615. Highest flood ever known in Norwich.—(Geol. Memoir. Woodward.)	WEDNESDAY, 15th. 75. M.O.—Quarterly issue of forms. M.O.—Examination for prob-ationers and boy clerks.
☉ S 1.8°. M 22h. 1m. Strongest gust of 1907, 36.2 m/s (81 ml/hr), Southport.	THURSDAY, 16th. *76. Obs.—Met. work despatch day.
☉ S 1.4°. M 22h. 45m. St. Patrick.	FRIDAY, 17th. 77.
☉ S 1.0°. M 23h. 29m.	SATURDAY, 18th. *78. Obs.—Close Journal, 14.

FOURTH WEEK OF SPRING.				YEAR XXXIX.								WEEK No. 12.		
Normals, 1881-1910, for Districts.				Notes at Observatories.†										
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.		Sun.				
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.			Rises.	Noon.	Sets.		
Dist. N.	Sun. hrs.	Rain. in. mm.		Mar.				°A.		G.M.T.				
0	3.1	1.02	26	19. K.	16	5	0	290 268		h. m.	h. m.	h. m.		
E.				A.	8	10	0	86 66		6 6	12 9	18 11		
1	4.0	0.54	14	E.	2	1	0	79 69		6 15	- 16	18 18		
2	4.5	0.38	10	F.	9	2	0	86 71		6 19	- 21	18 23		
3	4.3	0.43	11	V.	12	7	0	86 72		6 26	- 28	18 30		
4	4.0	0.35	9							6 46	- 49	18 51		
5	4.4	0.43	11											
W.				20. K.	18	6	0	289 270		6 4	12 8	18 12		
6	3.9	0.79	20	A.	10	6	1	87 70		6 12	- 16	18 21		
7	4.0	0.51	13	E.	2	0	0	78 71		6 16	- 20	18 24		
8	4.6	0.57	14	F.	14	4	0	86 71		6 19	- 21	18 23		
9	3.8	0.64	16	V.	15	5	0	88 72		6 26	- 28	18 30		
10	4.3	0.64	16							6 44	- 48	18 52		
S.														
11	5.1	0.49	12											
				21. K.	13	2	1	289 268		6 2	12 8	18 14		
				A.	15	5	2	88 69		6 9	- 16	18 23		
				E.	3	1	0	81 71		6 13	- 20	18 27		
				F.	14	1	0	87 72		6 21	- 27	18 33		
				V.	13	3	0	86 72		6 42	- 48	18 54		
Dist. N.	Mean Temperature.													
0	°F.	°A.												
	*40	*278												
E.														
1	*40	*278												
2	41	278		22. K.	19	7	3	291 269		6 0	12 8	18 16		
3	42	278		A.	16	5	1	88 68		6 6	- 15	18 24		
4	41	278		E.	2	1	0	83 70		6 11	- 20	18 29		
5	42	279		F.	17	6	0	88 72		6 19	- 27	18 35		
W.				V.	14	3	0	87 71		6 40	- 48	18 56		
6	*42	*278												
7	42	278												
8	43	279												
9	42	279		23. K.	19	5	1	292 268		5 58	12 8	18 18		
10	44	279		A.	14	9	1	88 67		6 4	- 15	18 27		
S.				E.	2	2	0	82 67		6 8	- 19	18 30		
11	45	280		F.	12	4	0	86 70		6 17	- 27	18 37		
				V.	13	5	0	87 71		6 38	- 48	18 58		
Relative Frequencies of Wind Components 1911-1914.														
Observatory.	S/N	W/E		24. K.	17	5	0	293 268		5 55	12 7	18 19		
				A.	15	6	0	90 66		6 1	- 15	18 29		
				E.	2	1	2	82 70		6 6	- 19	18 32		
				F.	15	4	0	87 71		6 15	- 26	18 37		
				V.	13	9	0	91 70		6 35	- 47	18 59		
Orkney ...	73/36	32/70												
Scilly ...	47/45	73/39		25. K.	16	4	1	292 269		5 53	12 7	18 21		
				A.	9	9	0	90 66		5 58	- 14	18 31		
Holyhead	48/53	61/47		E.	2	1	0	84 69		6 3	- 19	18 35		
				F.	14	5	0	86 73		6 13	- 26	18 39		
Yarmouth	61/42	60/41		V.	11	6	0	91 73		6 33	- 47	19 1		

19TH MARCH TO 25TH MARCH, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 0° 6'. ☾ Full Moon 17h. 27m. St. Joseph.	79. SUNDAY, 19th MARCH. W.W.R. stations. Post Day.
☉ S 0° 2'. M 0h. 14m. Vernal Equinox. 1727. Sir Isaac Newton d. (b. Dec. 25th, 1642).	*80. MONDAY, 20th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 0° 2'. M 1h. 1m. St. Benedict.	81. TUESDAY, 21st.
☉ N 0° 6'. M 1h. 50m. 1682. River Thames, at London, ebbd and flowed three times in four hours.—(LOWE.) 1903. Eruption of La Soufrière. 1913. "Record" gust at Kew. 30 m/s (67 ml/hr).	*82. WEDNESDAY, 22nd.
☉ N 1° 0'. M 2h. 44m.	83. THURSDAY, 23rd. Obs.—Met. work despatch day.
☉ N 1° 4'. M 3h. 42m. 1878. "Eurydice" line-squall. (Q.J.) 1895. Destructive secondary passed across England. (F.W.)* 1902. Circular storm. Hourly wind velocity, 18.8 m/s (42 ml/hr), Valencia. (L.H.)†	*84. FRIDAY, 24th. H.D.I.
☉ N 1° 8'. M 4h. 42m. Lady Day.	85. SATURDAY, 25th. Obs.—Close Journal, 15.

* Forecasting Weather, by Sir Napier Shaw.

† Life History of Surface Air Currents, M.O. Publication 174.

FIFTH WEEK OF SPRING.				YEAR XXXIX.				WEEK No. 13.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets
Dist. N.	Sun. hrs.	Rain. in. mm.									
0	4.0	0.84	21	Mar.				°A.		G.M.T.	
E.				26. K.	16	6	1	291 270		h. m.	h. m. h. m.
				A.	16	4	0	88 70	5 51	12 7	18 23
1	4.1	0.51	13	E.	1	1	0	82 70	5 55	- 14	18 33
2	4.5	0.41	10	F.	18	5	0	87 71	6 0	- 18	18 36
3	4.8	0.32	8	V.	13	3	0	89 70	6 11	- 26	18 41
4	4.3	0.39	10						6 31	- 47	19 3
5	5.0	0.34	9								
W.				27. K.	16	8	3	290 270	5 48	12 6	18 24
6	4.3	0.79	20	A.	15	5	0	89 68	5 53	- 14	18 35
7	4.5	0.60	15	E.	2	1	0	83 68	5 58	- 18	18 38
8	4.9	0.60	15	F.	17	5	0	88 73	6 9	- 26	18 43
9	4.1	0.73	18	V.	12	8	0	89 73	6 28	- 46	19 4
10	4.7	0.76	19								
S.				28. K.	20	2	3	291 270	5 46	12 6	18 26
11	6.0	0.49	12	A.	12	5	0	87 67	5 50	- 13	18 37
				E.	1	0	0	82 68	5 55	- 18	18 41
				F.	14	4	0	86 72	6 7	- 25	18 44
				V.	14	7	0	89 72	6 26	- 46	19 6
Dist. N.	Mean Temperature.										
0	°F.	°A.									
E.	*40	*278		29. K.	20	5	1	291 270	5 44	12 6	18 28
1	*40	*278		A.	14	5	1	88 63	5 47	- 13	18 39
2	42	278		E.	2	1	0	84 67	5 52	- 17	18 42
3	43	279		F.	12	6	0	87 72	6 5	- 25	18 45
4	43	279		V.	12	3	0	89 72	6 24	- 46	19 8
5	44	280									
W.				30. K.	20	4	0	291 270	5 41	12 5	18 29
6	*42	*278		A.	14	5	0	87 70	5 44	- 13	18 41
7	42	279		E.	2	0	0	83 68	5 50	- 17	18 44
8	44	280		F.	17	5	0	87 72	6 3	- 25	18 47
9	43	279		V.	13	5	0	88 73	6 21	- 45	19 9
10	45	280									
S.				31. K.	25	1	0	292 272	5 39	12 5	18 31
11	47	281		A.	15	4	0	90 69	5 41	- 12	18 43
				E.	3	1	0	84 67	5 48	- 17	18 46
				F.	19	1	0	89 72	6 0	- 24	18 48
				V.	13	5	0	88 72	6 19	- 45	19 11
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E		Apr.							
Orkney ...	63/46	40/62		1. K.	26	2	0	293 270	5 37	12 5	18 33
Scilly ...	53/48	60/48		A.	21	3	0	93 72	5 39	- 12	18 46
Holyhead	51/50	47/50		E.	2	0	0	85 71	5 46	- 17	18 48
Yarmouth	46/47	59/40		F.	19	3	0	87 74	5 58	- 24	18 50
				V.	11	4	0	87 72	6 17	- 45	19 13

26TH MARCH TO 1ST APRIL, 1916.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
First week of Wheat-growing period, Western Australia (Commonwealth Weather Bureau, Western Australia, 1908).		
☉ N 2° 2'. M 5h. 44m. (Last Quarter 16h. 22m.)		*86. SUNDAY, 26th MARCH. W.W.R. stations. Post Day.
☉ N 2° 6'. M 6h. 45m.		87. MONDAY, 27th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.
☉ N 3° 0'. M 7h. 43m.		*88. TUESDAY, 28th.
☉ N 3° 4'. M 8h. 37m.		89. WEDNESDAY, 29th.
☉ N 3° 8'. M 9h. 28m.		*90. THURSDAY, 30th. Balloon Day. Obs.—Met. work despatch day.
☉ N 4° 1'. M 10h. 16m.		91. FRIDAY, 31st. Obs.—Electr. work, 1914, 4th Quarter day. Close Journal, 16. M.O.—Geophysical Journal, January Copy day.
☉ N 4° 5'. M 11h. 2m. 1879. Issue of forecasts resumed. First publication by "The Times" of the 8 a.m. Weather Map.		*92. SATURDAY, 1st APRIL. Obs.—Close Journal, 17.

5/

SIXTH WEEK OF SPRING.				YEAR XXXIX.				WEEK No. 14.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist.	Sun.	Rain.		Apr.				°A.	G.M.T.		
N.	hrs.	in.	mm.						h. m.	h. m.	h. m.
0	4.6	0.73	18	2. K.	22	4	1	292 271	5 35	12 5	18 35
E.				A.	14	3	1	88 71	5 36	- 12	18 48
1	5.0	0.38	10	E.	1	0	0	84 69	5 43	- 16	18 50
2	5.6	0.30	8	F.	15	6	0	87 75	5 56	- 24	18 52
3	5.7	0.29	8	V.	11	4	2	90 72	6 15	- 45	19 15
4	5.1	0.38	10								
5	5.6	0.30	8								
W.				3. K.	22	4	0	291 271	5 33	12 4	18 36
6	5.2	0.61	16	A.	14	4	0	88 70	5 34	- 12	18 50
7	5.2	0.45	11	E.	3	1	0	85 69	5 40	- 16	18 52
8	5.3	0.48	12	F.	17	5	0	88 75	5 53	- 23	18 53
9	4.8	0.56	14	V.	19	3	0	89 73	6 13	- 44	19 16
10	5.2	0.57	14								
S.											
11	6.2	0.36	9								
Dist.	Mean Temperature.								G.M.T.		
N.	°F.	°A.	h. m.						h. m.	h. m.	
0	*42	*278		4. K.	18	2	0	293 272	5 31	12 4	18 38
E.				A.	17	6	1	89 71	5 31	- 11	18 52
1	*42	*278		E.	1	2	0	84 70	5 38	- 16	18 54
2	43	279		F.	14	4	0	88 73	5 51	- 23	18 55
3	44	280		V.	8	2	0	90 74	6 11	- 44	19 17
4	44	280									
5	46	281		5. K.	18	4	0	293 270	5 28	12 4	18 40
W.				A.	15	3	0	89 71	5 28	- 11	18 54
6	*43	*279		E.	1	1	0	84 70	5 35	- 15	18 56
7	44	280		F.	15	2	0	86 72	5 50	- 23	18 57
8	46	280		V.	15	5	0	89 74	6 8	- 44	19 19
9	44	280									
10	46	281		6. K.	19	3	0	291 271	5 26	12 3	18 41
S.				A.	20	1	0	88 70	5 26	- 11	18 57
11	48	282		E.	2	1	0	85 71	5 33	- 15	18 58
				F.	18	3	0	89 71	5 48	- 23	18 58
				V.	16	5	1	89 72	6 5	- 43	19 21
Relative Frequencies of Wind Components 1911-1914.									G.M.T.		
Observatory.	S/N	W/E	h. m.						h. m.	h. m.	
Orkney ...	45/57	56/31		7. K.	20	2	0	291 271	5 24	12 3	18 42
Scilly ...	20/74	59/47		A.	12	4	0	88 71	5 23	- 10	18 59
Holyhead	53/56	59/48		E.	2	1	0	82 74	5 30	- 15	19 0
Yarmouth	36/39	54/24		F.	19	2	0	88 73	5 45	- 22	18 59
				V.	15	2	0	90 75	6 2	- 43	19 23
				8. K.	22	2	0	294 273	5 22	12 3	18 44
				A.	17	6	1	89 71	5 20	- 10	19 1
				E.	2	0	0	85 72	5 27	- 14	19 2
				F.	17	0	0	88 73	5 43	- 22	19 1
				V.	17	5	0	92 75	6 0	- 43	19 25

2ND APRIL TO 8TH APRIL, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 4.9°. M 11h. 48m. ● New Moon 16h. 21m. J. P. Gassiot b. 1797, [d. 15 Aug. 1877].	93. SUNDAY, 2nd APRIL. W.W.R. stations. Post Day.
☉ N 5.3°. M 12h. 34m. 1617. Napier of Merchiston d. [b. 1550, inventor of logarithms]. 1850. Royal Meteorological Society founded as British Meteorological Society.	*94. MONDAY, 3rd. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 5.7°. M 13h. 22m. 1114. River Thames, in London, so dry that children waded over between the bridges and the town.—(LOWE.)	95. TUESDAY, 4th. Climatological stations. Schedule day.
☉ N 6.1°. M 14h. 11m. 25th March, Old Style, Lady Day and New Year's Day, 1700 to 1750.	*96. WEDNESDAY, 5th. Obs.—Send curves and tabulations to complete month.
☉ N 6.4°. M 15h. 1m. 1580. Severe earthquake in London.	97. THURSDAY, 6th. Obs.—Met. work despatch day.
☉ N 6.8°. M 15h. 53m. James Glaisher, b. 1809 [d. 7th Feb., 1903]. 1815. Tomboro eruption, April 7th-12th.	*98. FRIDAY, 7th. H.D.I.
☉ N 7.2°. M 16h. 44m.	99. SATURDAY, 8th. Obs.—Close Journal, 18.

SEVENTH WEEK OF SPRING.				YEAR XXXIX.				WEEK No. 15.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist.	Sun. hrs.	Rain. in. mm.		Apr.				°A.	G.M.T.		
N.	0	4.4	0.83 21	9. K.	18	5	0	293 271	h. m.	h. m.	h. m.
E.	1	4.6	0.56 14	A.	20	2	0	89 72	5 19	12 2	18 45
	2	4.8	0.43 11	E.	2	0	0	84 72	5 17	- 10	19 3
	3	5.0	0.40 10	F.	19	2	0	87 72	5 25	- 14	19 4
	4	4.5	0.44 11	V.	18	2	0	91 73	5 41	- 22	19 3
	5	5.1	0.36 9						5 58	- 42	19 26
W.	6	4.9	0.69 18	10. K.	21	8	0	293 273	5 17	12 2	18 47
	7	4.9	0.53 14	A.	19	5	0	89 72	5 15	- 10	19 5
	8	5.4	0.57 14	E.	0	0	0	85 68	5 23	- 14	19 6
	9	4.9	0.54 14	F.	17	4	0	89 75	5 38	- 21	19 4
	10	5.4	0.61 16	V.	13	6	1	92 74	5 56	- 42	19 28
S.	11	6.3	0.46 12								
				11. K.	24	4	0	294 271	5 15	12 2	18 49
				A.	14	6	0	88 72	5 12	- 9	19 7
				E.	2	7	0	86 68	5 21	- 14	19 8
				F.	19	3	0	89 74	5 36	- 21	19 6
				V.	14	6	1	91 74	5 54	- 42	19 30
Dist.	Mean Temperature.										
N.	°F.	°A.									
0	*42	*278									
E.											
1	*42	*279									
2	44	279		12. K.	18	6	0	295 271	5 13	12 2	18 51
3	45	280		A.	14	5	1	88 72	5 9	- 9	19 9
4	45	280		E.	3	0	0	85 65	5 18	- 13	19 9
5	46	281		F.	14	5	1	87 73	5 34	- 21	19 8
W.				V.	11	8	0	88 73	5 52	- 42	19 32
6	*44	*279									
7	44	280									
8	46	281									
9	45	280		13. K.	23	7	1	292 272	5 10	12 1	18 52
10	46	281		A.	12	6	0	90 70	5 7	- 9	19 12
				E.	3	0	0	86 72	5 15	- 13	19 11
S.				F.	13	4	0	87 73	5 32	- 21	19 10
11	48	282		V.	12	4	0	88 73	5 49	- 41	19 34
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E		14. K.	19	4	0	292 272	5 8	12 1	18 54
				A.	19	7	0	89 71	5 4	- 9	19 14
				E.	3	1	0	87 69	5 13	- 13	19 13
				F.	23	0	0	87 74	5 30	- 20	19 11
				V.	13	4	0	89 73	5 47	- 41	19 35
Orkney ...	55/47	87/13									
Scilly ...	24/81	55/48		15. K.	20	0	1	295 271	5 6	12 1	18 56
				A.	10	4	0	89 70	5 1	- 8	19 16
Holyhead	54/52	86/21		E.	2	1	0	87 70	5 10	- 13	19 15
				F.	21	0	0	88 73	5 28	- 20	19 12
Yarmouth	27/52	56/21		V.	12	2	0	88 73	5 45	- 41	19 37

9TH APRIL TO 15TH APRIL, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 7.6°. M 17h. 34m.	*100. SUNDAY, 9th APRIL. W.W.R. stations. Post Day.
☉ N 7.9°. M 18h. 22m. ☾ First quarter 14h. 36m.	101. MONDAY, 10th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 8.3°. M 19h. 9m. Alexander Buchan b. 1829, [d. 13 May, 1907]. Cold spell in Scotland, April 11th-14th (Borrowing Days)—BUCHAN.	*102. TUESDAY, 11th.
☉ N 8.7°. M 19h. 54m.	103. WEDNESDAY, 12th. Sunshine stations. Summer Cards to be used from 13th April until 31st Aug.
☉ N 9.0°. M 20h. 38m.	*104. THURSDAY, 13th. Obs.—Met. work despatch day.
☉ N 9.4°. M 21h. 21m.	105. FRIDAY, 14th. S.
☉ N 9.8°. M 22h. 5m. 1912. S.S. "Titanic" sunk by iceberg in Atlantic, 41° 16' N., 50° 14' W.	*106. SATURDAY, 15th. Obs.—Close Journal, 19.

EIGHTH WEEK OF SPRING.				YEAR XXXIX.				WEEK No. 16.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist.	Sun. hrs.	Rain. in. mm.		Apr.				°A.	G.M.T.		
N.	0	5.0	0.58	15	18	1	1	296 272	5 4	12 1	18 53
E.	1	4.9	0.37	9	A. 15	5	0	89 68	4 58	- 8	19 18
	2	5.0	0.35	9	E. 3	0	0	89 70	5 7	- 12	19 17
	3	5.4	0.28	7	F. 20	2	0	88 73	5 26	- 20	19 14
	4	4.9	0.33	8	V. 17	1	0	89 73	5 43	- 41	19 39
	5	5.6	0.35	9							
W.	6	5.3	0.55	14	17. K.	25	3	0	292 270	5 2	12 0
	7	5.4	0.36	9	A. 15	5	0	90 71	4 56	- 8	19 20
	8	5.6	0.44	11	E. 3	0	0	90 71	5 5	- 12	19 19
	9	4.9	0.51	13	F. 20	1	0	89 73	5 24	- 20	19 16
	10	5.3	0.52	13	V. 11	4	0	89 74	5 41	- 40	19 40
S.	11	6.4	0.39	10							
Dist.	Mean Temperature.			18.	K.	26	3	0	293 272	5 0	12 0
N.	0	*43	*278		A. 13	4	0	89 72	4 54	- 8	19 23
E.	1	*43	*279		E. 2	0	0	90 72	5 3	- 12	19 22
	2	44	280		F. 21	2	1	88 74	5 22	- 19	19 17
	3	45	280		V. 21	5	0	90 73	5 39	- 40	19 41
	4	46	281								
	5	47	281		19. K.	26	4	1	296 272	4 58	12 0
W.	6	*45	*280		A. 13	6	0	92 72	4 51	- 7	19 25
	7	46	280		E. 2	0	0	90 71	5 1	- 12	19 24
	8	47	281		F. 24	5	1	90 74	5 20	- 19	19 19
	9	46	281		V. 11	7	0	92 73	5 37	- 40	19 42
	10	47	282								
S.	11	49	282		20. K.	22	2	0	300 272	4 56	12 0
					A. 14	4	0	294 72	4 48	- 7	19 27
					E. 3	0	0	91 72	4 59	- 12	19 26
					F. 20	2	1	92 76	5 18	- 19	19 20
					V. 11	9	0	92 75	5 35	- 40	19 44
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E		21. K.	22	5	0	297 272	4 53	12 0	19 6
Orkney ...	92/14	39/61		A. 17	1	0	0	93 72	4 46	- 7	19 29
Scilly ...	74/25	38/65		E. 2	0	0	0	92 70	4 56	- 11	19 28
Holyhead	76/27	66/36		F. 13	3	1	1	91 74	5 16	- 19	19 22
Yarmouth	43/33	18/57		V. 12	3	0	0	92 75	5 33	- 40	19 46
				22. K.	20	1	0	295 273	4 51	11 59	19 7
				A. 17	3	1	1	91 71	4 43	12 7	19 31
				E. 3	1	0	0	92 71	4 53	- 11	19 30
				F. 19	4	1	1	92 76	5 14	- 19	19 24
				V. 13	6	0	0	92 75	5 31	- 39	19 48

16TH APRIL TO 22ND APRIL, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 10.1°. M 22h. 52m. Palm Sunday. 1682. John Hadley b. [d. 15 Feb., 1744]. 1786. Sir John Franklin born [d. 1847].	107. SUNDAY, 16th APRIL. W.W.R. stations. Post Day.
☉ N 10.5°. M 23h. 41m.	*108. MONDAY, 17th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 10.8°. ☾ Full Moon 5h. 8m.	109. TUESDAY, 18th.
☉ N 11.2°. M 0h. 34m.	*110. WEDNESDAY, 19th.
☉ N 11.5°. M 1h. 32m.	111. THURSDAY, 20th. Obs.—Met. work despatch day.
☉ N 11.8°. M 2h. 33m. Good Friday.	*112. FRIDAY, 21st. M.O.—Press closed.
☉ N 12.2°. M 3h. 36m.	113. SATURDAY, 22nd. Obs.—Close Journal, 20.

NINTH WEEK OF SPRING.				YEAR XXXIX.				WEEK No. 17.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets
Dist. N.	Sun. hrs.	Rain. in. mm.		Apr. 23. K.	19	2	0	°A. 298 271	G.M.T.		
E.	0	4.6 0.73 18		A.	16	4	0	89 69	h. m.	h. m.	h. m.
	1	5.1 0.52 13		E.	3	0	0	91 72	4 41	12 7	19 33
	2	5.1 0.46 12		F.	16	4	0	89 76	4 51	- 11	19 32
	3	5.6 0.50 13		V.	13	4	0	91 76	5 12	- 18	19 25
	4	5.1 0.54 14							5 29	- 39	19 50
	5	5.7 0.61 16									
W.	6	5.2 0.70 18		24. K.	20	2	0	297 272	4 47	11 59	19 10
	7	5.1 0.58 15		A.	18	4	0	88 67	4 38	12 6	19 35
	8	5.7 0.76 19		E.	2	1	0	90 76	4 49	- 11	19 34
	9	4.9 0.61 16		F.	13	1	0	92 73	5 10	- 18	19 26
	10	5.3 0.74 19		V.	14	3	0	91 74	5 27	- 39	19 52
S.	11	6.6 0.59 15									
				25. K.	16	3	0	297 272	4 45	11 59	19 12
				A.	13	2	1	89 72	4 35	12 6	19 37
				E.	2	1	0	89 73	4 46	- 11	19 36
				F.	15	5	0	93 73	5 8	- 18	19 28
				V.	13	3	1	92 73	5 25	- 39	19 54
Dist. N.	Mean Temperature.										
	°F.	°A.									
E.	*44	*279									
				26. K.	19	1	0	295 272	4 43	11 59	19 14
	*44	*280		A.	16	4	0	91 74	4 33	12 6	19 40
	46	281		E.	3	0	0	87 73	4 43	- 10	19 37
	47	281		F.	15	5	0	92 75	5 7	- 18	19 30
	48	282		V.	11	3	0	92 75	5 22	- 39	19 56
W.											
	*46	*281		27. K.	16	1	0	296 273	4 41	11 58	19 15
	47	281		A.	13	8	0	89 73	4 31	12 6	19 42
	48	282		E.	3	1	0	89 71	4 41	- 10	19 39
	46	281		F.	13	3	0	90 76	5 5	- 18	19 31
	48	282		V.	12	5	0	91 75	5 20	- 38	19 57
S.											
	50	283		28. K.	17	2	1	292 273	4 39	11 58	19 17
				A.	11	7	0	88 72	4 29	12 6	19 44
				E.	3	0	0	91 71	4 39	- 10	19 41
				F.	12	1	0	90 75	5 3	- 17	19 32
				V.	10	2	0	92 75	5 18	- 38	19 58
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E									
Orkney ...	61/44	48/52		29. K.	17	1	1	293 272	4 37	11 58	19 19
Scilly ...	48/46	61/44		A.	10	4	0	90 73	4 26	12 6	19 46
Holyhead	54/53	52/45		E.	3	0	0	91 73	4 37	- 10	19 43
Yarmouth	53/38	48/39		F.	11	6	0	91 75	5 1	- 17	19 34
				V.	8	4	0	90 76	5 16	- 38	20 0

23RD APRIL TO 29TH APRIL, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 12° 5'. M 4h. 39m. Easter Sunday. St. George. Thomas Robinson b. 1792 [d. 28 Feb. 1882].	*114. SUNDAY, 23rd APRIL. W.W.R. stations. Post Day.
☉ N 12° 9'. M 5h. 38m. ☾ Last quarter 22h. 38m.	115. MONDAY, 24th. M.O.—Press closed. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 13° 2'. M 6h. 33m. St. Mark. William Reid b. 1791, [d. 31 Oct. 1858]. 1908. Great Snowfalls, Midlands and South.— (M.W.R.)	*116. TUESDAY, 25th.
☉ N 13° 5'. M 7h. 24m. 1908. Great Snowfalls, Midlands and South.— (M.W.R.)	117. WEDNESDAY, 26th.
☉ N 13° 8'. M 8h. 12m.	*118. THURSDAY, 27th. Balloon Day. Obs.—Met. work despatch day.
☉ N 14° 1'. M 8h. 58m.	119. FRIDAY, 28th. M.O.—W.W.R. App. I. Copy day.
☉ N 14° 5'. M 9h. 43m.	*120. SATURDAY, 29th. Obs.—Close Journal, 21. M.O.—Geophysical Journal, February Copy day.

TENTH WEEK OF SPRING.				YEAR XXXIX.				WEEK No. 18.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.		Apr. 30.				°A.	G.M.T.		
0	5.0	0.70 18		K.	17	6	1	294 273	h. m.	h. m.	h. m.
E.				A.	11	6	2	88 72	4 35	11 58	19 21
1	5.3	0.47 12		E.	2	0	1	86 72	4 23	12 5	19 48
2	6.1	0.42 11		F.	12	4	0	89 76	4 35	- 10	19 45
3	6.5	0.41 10		V.	9	4	1	90 74	4 59	- 17	19 36
4	5.8	0.46 12							5 13	- 38	20 2
5	6.7	0.38 10									
W.				May 1.							
6	5.7	0.77 20		K.	12	1	0	296 272	4 33	11 58	19 23
7	5.9	0.59 15		A.	11	7	1	88 73	4 21	12 5	19 50
8	6.2	0.58 15		E.	2	2	1	84 71	4 33	- 10	19 47
9	5.3	0.69 18		F.	17	0	1	88 76	4 57	- 17	19 37
10	4.9	0.66 17		V.	14	4	0	90 76	5 11	- 38	20 4
S.											
11	7.6	0.50 13									
				2.							
				K.	13	3	1	297 273	4 31	11 58	19 25
				A.	11	5	2	90 73	4 19	12 5	19 52
				E.	4	0	0	85 73	4 31	- 10	19 49
				F.	12	3	0	90 76	4 56	- 17	19 39
				V.	10	6	0	89 75	5 10	- 38	20 6
Dist. N.	Mean Temperature.										
0	°F. *45	°A. *280									
E.											
1	*46	*280									
2	46	281		3.							
3	48	282		K.	19	2	0	294 273	4 30	11 58	19 26
4	48	282		A.	15	5	0	88 72	4 16	12 5	19 54
5	49	282		E.	3	1	0	85 70	4 29	- 10	19 51
				F.	12	5	0	90 77	4 54	- 17	19 40
W.				V.	11	3	0	90 75	5 8	- 38	20 8
6	*47	*281									
7	48	282									
8	49	282									
9	48	282		4.							
10	49	282		K.	19	2	0	296 272	4 28	11 58	19 28
				A.	16	3	0	91 73	4 14	12 5	19 56
				E.	1	0	0	85 72	4 27	- 9	19 53
S.				F.	17	3	1	89 77	4 52	- 17	19 42
11	50	283		V.	12	2	0	90 76	5 6	- 38	20 9
Relative Frequencies of Wind Components 1911-1914.											
				5.							
				K.	21	2	0	296 272	4 26	11 58	19 29
				A.	17	5	1	90 72	4 12	12 5	19 58
				E.	1	1	0	87 74	4 24	- 9	19 55
				F.	16	3	1	90 75	4 50	- 17	19 43
				V.	11	6	0	93 76	5 5	- 38	20 10
Observatory.	S/N	W/E									
Orkney ...	78/32	39/64									
Scilly ...	64/43	81/27		6.							
Holyhead	79/29	78/27		K.	18	2	0	296 273	4 24	11 57	19 30
				A.	14	5	2	90 72	4 10	12 5	20 1
				E.	1	0	0	90 70	4 22	- 9	19 57
				F.	20	6	1	91 76	4 49	- 17	19 45
Yarmouth	56/42	45/61		V.	13	1	0	92 76	5 3	- 37	20 11

30TH APRIL TO 6TH MAY, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 14.8°. M 10h. 29m. Low Sunday. Karl Friedrich Gauss b. 1777, [d. 23 Feb., 1855].	121. SUNDAY, 30th APRIL. W.W.R. stations. Post Day. Obs.—Close Journal, 22.
☉ N 15.1°. M 11h. 15m. St. Philip and St. James. 1914. Millibars used for pressure and millimetres for rainfall in the Daily Weather Report.	*122. MONDAY, 1st MAY. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 15.4°. M 12h. 3m. ☾ New Moon 5h. 29m.	123. TUESDAY, 2nd.
☉ N 15.7°. M 12h. 53m. 1698. A great deep snow all over England.—(LOWE.)	*124. WEDNESDAY, 3rd.
☉ N 16.0°. M 13h. 44m. 1697. Thunderstorm at Hitchin, with hailstones 13 or 14 ins.; about 100,000 cartloads of hailstones.—(LOWE.)	125. THURSDAY, 4th. Climatological stations. Schedule day. Obs.—Met. work despatch day.
☉ N 16.2°. M 14h. 36m.	*126. FRIDAY, 5th. Observatories send curves and tabulations to complete month. H.D.I.
☉ N 16.5°. M 15h. 26m. 1910. Accession of King George V.	127. SATURDAY, 6th. Obs.—Close Journal, 23.

ELEVENTH WEEK OF SPRING.				YEAR XXXIX.				WEEK No. 19.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture [Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets
Dist. N.	Sun. hrs.	Rain. in. mm.		May				°A.	G.M.T.		
0	5.2	0.66	17	7 K.	19	2	0	295 273	h. m.	h. m.	h. m.
E.				A.	13	5	1	93 72	4 23	11 57	19 31
1	5.7	0.47	12	E.	0	3	0	91 76	4 8	12 5	20 3
2	6.1	0.39	10	F.	16	4	1	92 77	4 20	- 9	19 58
3	6.6	0.38	10	V.	13	5	0	93 76	4 48	- 17	19 47
4	6.0	0.36	9						5 1	- 37	20 12
5	6.8	0.30	8								
W.				8. K.	21	5	0	296 274	4 21	11 57	19 33
6	6.0	0.60	15	A.	15	5	0	91 74	4 6	12 5	20 5
7	6.3	0.48	12	E.	1	4	0	87 77	4 18	- 9	20 0
8	6.8	0.41	10	F.	19	3	0	92 75	4 46	- 17	19 48
9	6.0	0.50	13	V.	15	4	0	95 76	5 0	- 37	20 14
10	6.2	0.51	13								
S.				9. K.	21	3	0	295 274	4 20	11 57	19 34
11	8.3	0.27	7	A.	17	4	0	91 73	4 3	12 5	20 7
				E.	4	1	0	90 71	4 16	- 9	20 2
				F.	25	1	0	92 77	4 45	- 17	19 50
				V.	12	5	0	93 76	4 58	- 37	20 16
Dist. N.	Mean Temperature.										
0	*47	*281									
E.											
1	*47	*282									
2	48	282		10. K.	25	2	0	295 273	4 18	11 57	19 36
3	50	283		A.	14	5	1	90 73	4 1	12 5	20 9
4	49	283		E.	2	0	0	90 70	4 14	- 9	20 4
5	51	283		F.	18	2	0	93 77	4 43	- 17	19 51
W.				V.	15	3	0	92 76	4 56	- 37	20 18
6	*49	*282									
7	49	283									
8	50	283									
9	49	282		11. K.	20	2	0	297 273	4 16	11 57	19 38
10	50	283		A.	15	4	1	93 74	3 59	12 5	20 11
S.				E.	1	0	0	92 74	4 12	- 9	20 6
11	52	284		F.	21	3	0	93 78	4 41	- 17	19 53
				V.	18	2	0	93 77	4 54	- 37	20 20
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E		12. K.	23	4	0	297 274	4 14	11 57	19 40
				A.	12	2	0	94 73	3 57	12 5	20 13
				E.	3	0	0	92 70	4 10	- 9	20 8
				F.	23	2	0	93 76	4 39	- 16	19 54
				V.	15	5	0	93 77	4 52	- 37	20 22
Orkney ...	57/43	41/65									
Scilly ...	57/38	44/53		13. K.	22	4	0	297 274	4 13	11 57	19 42
Holyhead	65/45	55/47		A.	15	3	2	91 73	3 55	12 5	20 15
				E.	4	0	0	88 72	4 9	- 9	20 10
				F.	25	4	0	87 76	4 38	- 16	19 55
Yarmouth	61/44	46/55		V.	20	2	0	93 76	4 50	- 37	20 24

7TH MAY TO 13TH MAY, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 16.8°. M 16h. 16m.	*128. SUNDAY, 7th MAY. W.W.R. stations. Post Day.
☉ N 17.1°. M 17h. 2m. 1902. Mont Pelée eruption.	129. MONDAY, 8th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 17.4°. M 17h. 47m. 1910. Proclamation of King George V.	*130. TUESDAY, 9th.
☉ N 17.6°. M 18h. 31m. D First quarter 8h. 47m.	131. WEDNESDAY, 10th.
☉ N 17.9°. M 19h. 14m. St. Mamertius.	*132. THURSDAY, 11th. Obs.—Met. work despatch day.
☉ N 18.1°. M 19h. 56m. St. Pancras. Approximate average date of commencement of cold spell at Kew (M.O. 154).*	133. FRIDAY, 12th.
☉ N 18.4°. M 20h. 41m. St. Gervais.	*134. SATURDAY, 13th. Obs.—Close Journal, 24.

* One of the numbered publications of the Meteorological Office.

TWELFTH WEEK OF SPRING.				YEAR XXXIX.						WEEK No. 20.					
Normals, 1881-1910, for Districts.				Notes at Observatories.†											
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Temperature Extremes, 1871-1915.		Sun.					
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.			Rises.	Noon.	Sets.			
Dist. N.	Sun. hrs.	Rain. in. mm.		May 14. K.	24	2	0	°A.	297	273	h. m.	h. m.	h. m.		
E.	0	5.7 0.65 16		A.	16	2	1	94 72	3 53	12 5	20 17	4 7	- 9 20 12		
	1	5.9 0.54 14		E.	2	1	0	89 71	4 36	- 16 19 56	4 48	- 37 20 26			
	2	6.3 0.45 11		F.	20	2	0	93 77							
	3	6.6 0.44 11		V.	18	2	0	94 76							
	4	6.0 0.52 13													
	5	7.4 0.41 10													
W.	6	6.5 0.71 18		15. K.	20	0	0	299 274	4 10	11 57	19 44	3 51	12 5 20 19		
	7	6.6 0.53 14		A.	15	7	1	90 73	4 5	- 9 20 13	4 35	- 16 19 58	4 46	- 37 20 27	
	8	6.9 0.51 13		E.	2	0	0	93 68							
	9	6.3 0.58 15		F.	22	2	1	94 76							
	10	7.2 0.59 15		V.	15	2	0	95 77							
S.	11	7.9 0.41 10													
Dist. N.	Mean Temperature. °F. °A.			16. K.	21	2	0	295 275	4 8	11 57	19 46	3 49	12 5 20 21		
E.	0	*47 *281		A.	16	4	0	90 73	4 3	- 9 20 15	4 34	- 16 19 59	4 45	- 37 20 28	
	1	*48 *282		E.	5	0	0	90 71							
	2	49 282		F.	20	6	1	92 76							
	3	51 284		V.	13	2	2	93 78							
	4	51 283													
	5	52 284		17. K.	20	2	0	296 273	4 7	11 57	19 47	3 47	12 5 20 23		
W.	6	*50 *283		A.	14	3	1	94 72	4 2	- 9 20 17	4 33	- 17 20 1	4 45	- 37 20 28	
	7	50 283		E.	3	0	0	92 75							
	8	52 284		F.	18	2	0	93 76							
	9	50 283		V.	12	1	0	94 77							
	10	52 284													
S.	11	53 285		18. K.	22	3	0	296 274	4 6	11 57	19 48	3 45	12 5 20 25		
				A.	12	4	1	95 74	4 0	- 9 20 19	4 32	- 17 20 3	4 44	- 37 20 29	
				E.	3	0	0	92 73							
				F.	24	2	0	95 76							
				V.	17	0	0	95 75							
Relative Frequencies of Wind Components 1911-1914.				19. K.	21	4	0	296 274	4 5	11 57	19 49	3 44	12 5 20 27		
Observatory.	S/N	W/E	A.	14	4	1	91 73	3 58	- 9 20 20	4 31	- 17 20 4	4 43	- 37 20 30		
			E.	2	0	0	89 73								
			F.	18	3	1	95 76								
			V.	19	3	0	94 77								
Orkney ...	47/55	68/27	20. K.	23	5	0	297 273	4 3	11 57	19 51	3 42	12 5 20 29			
Scilly ...	23/75	62/45	A.	18	6	1	91 74	3 56	- 9 20 22	4 29	- 17 20 5	4 41	- 37 20 32		
Holyhead	40/65	78/26	E.	1	2	0	87 72								
Yarmouth	36/70	36/60	F.	22	1	1	95 77								
			V.	18	0	0	92 76								

14TH MAY TO 20TH MAY, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 18° 6'. M 21h. 28m. Gabriel Daniel Fahrenheit b. 1686 [d. 16 Sept. 1736].	135. SUNDAY, 14th MAY. W.W.R. stations. Post Day.
☉ N 18° 9'. M 22h. 19m. Approximate average date of commencement of cold spell at Aberdeen and Falmouth (M.O. 154).	*136. MONDAY, 15th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 19° 1'. M 23h. 16m.	137. TUESDAY, 16th.
☉ N 19° 3'. Full Moon 14h. 11m. 1906. Valparaiso earthquake.	*138. WEDNESDAY, 17th.
☉ N 19° 5'. M 0h. 17m. 1888. Thunderstorms over England and Scotland. Hail size of pigeon's egg, Glasgow. (Q.J.) 1906. San Francisco earthquake.	139. THURSDAY, 18th. Obs.--Met. work despatch day.
☉ N 19° 8'. M 1h. 21m. St. Dunstan. 1888. Thunderstorms over England and Scotland. (Q.J.)	*140. FRIDAY, 19th. H.D.I.
☉ N 20° 0'. M 2h. 27m.	141. SATURDAY, 20th. Obs.—Close Journal, 25.

THIRTEENTH WEEK OF SPRING.				YEAR XXXIX.				WEEK No. 21.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Temperature Extremes, 1871-1914	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets
Dist. N.	Sun. hrs.	Rain. in. mm.		May 21. K.	23	3	0	°A.	G.M.T.		
E. 0	5.2	0.53	14	A.	20	3	1	300 274	h. m.	h. m.	h. m.
1	5.8	0.51	13	E.	3	0	0	291 74	4 2	11 57	19 52
2	6.2	0.47	12	F.	18	3	0	91 72	3 40	12 5	20 31
3	6.7	0.48	12	V.	11	1	0	94 76	3 55	- 9	20 24
4	5.7	0.54	14					93 75	4 28	- 17	20 7
5	6.8	0.49	12						4 40	- 37	20 34
W. 6	6.3	0.60	15	22. K.	20	5	0	299 274	4 1	11 57	19 54
7	6.1	0.47	12	A.	19	3	2	94 74	3 38	12 5	20 33
8	6.5	0.55	14	E.	2	0	0	94 74	3 53	- 9	20 25
9	6.1	0.53	14	F.	22	1	0	92 77	4 27	- 17	20 8
10	6.6	0.57	14	V.	14	5	0	95 77	4 39	- 37	20 36
S. 11	7.6	0.52	13								
				23. K.	21	3	0	298 275	4 0	11 58	19 56
				A.	21	2	0	96 74	3 36	12 5	20 34
				E.	2	1	0	95 75	3 52	- 9	20 27
				F.	24	1	1	97 78	4 25	- 17	20 9
				V.	17	6	0	96 77	4 38	- 38	20 38
Dist. N.	Mean Temperature.										
0	°F.	°A.									
E. 1	*49	*282									
2	*49	*283		24. K.	26	2	0	299 277	3 59	11 58	19 57
3	51	283		A.	19	5	0	94 75	3 35	12 5	20 36
4	53	285		E.	3	0	0	94 72	3 51	- 10	20 29
5	52	284		F.	24	2	0	95 78	4 24	- 17	20 10
W. 6	54	285		V.	20	2	0	96 78	4 37	- 38	20 39
7	*51	*284									
8	52	284									
9	53	285		25. K.	21	4	0	299 277	3 57	11 58	19 59
10	52	284		A.	16	5	1	93 73	3 33	12 5	20 37
11	53	285		E.	5	0	0	96 73	3 50	- 10	20 31
S. 11	54	285		F.	21	2	1	93 79	4 23	- 17	20 11
				V.	16	5	0	196 77	4 36	- 38	20 40
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E		26. K.	22	3	0	300 276	3 56	11 58	20 0
Orkney ...	50/48	74/27		A.	18	0	1	293 75	3 31	12 5	20 39
Scilly ...	30/65	44/48		E.	4	0	0	92 72	3 48	- 10	20 32
Holyhead	47/64	75/27		F.	22	4	1	93 78	4 22	- 17	20 13
Yarmouth	52/47	43/45		V.	19	3	0	95 78	4 35	- 38	20 41
				27. K.	24	3	0	298 275	3 55	11 58	20 1
				A.	23	3	1	94 73	3 30	12 5	20 41
				E.	5	0	0	93 74	3 47	- 10	20 34
				F.	23	3	1	95 77	4 21	- 17	20 14
				V.	21	3	1	95 77	4 34	- 38	20 42

21ST MAY TO 27TH MAY, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 20.2°. M 3h. 29m.	*142. SUNDAY, 21st MAY. W.W.R. stations. Post Day.
☉ N 20.4°. M 4h. 28m.	143. MONDAY, 22nd. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 20.6°. M 5h. 21m.	*144. TUESDAY, 23rd.
☉ N 20.8°. M 6h. 10m. (Last quarter, 5h. 16m. William Gilbert of Colchester b., 1545 [d. 30 Nov. 1603].	145. WEDNESDAY, 24th.
☉ N 21.0°. M 6h. 57m. St. Urban.	*146. THURSDAY, 25th. Balloon Day. Obs.—Met. work despatch day.
☉ N 21.1°. M 7h. 42m. Birthday of Queen Mary.	147. FRIDAY, 26th.
☉ N 21.3°. M 8h. 27m.	*148. SATURDAY, 27th. Obs.—Close Journal. 26.

FOURTEENTH WEEK OF SPRING.				YEAR XXXIX.				WEEK No. 22.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.		May 28. K.	23	2	0	°A.	G.M.T.		
E.	0	5.5 0.64	16	A.	16	3	2	299 276	h. m.	h. m.	h. m.
	1	6.4 0.56	14	E.	3	0	0	95 73	3 54	11 58	20 2
	2	6.3 0.45	11	F.	21	2	0	95 73	3 29	12 6	20 43
	3	7.0 0.42	11	V.	12	5	0	94 78	3 46	- 10	20 35
	4	6.2 0.50	13					96 78	4 20	- 17	20 15
	5	7.2 0.43	11						4 33	- 38	20 43
W.	6	6.5 0.71	18	29. K.	22	2	0	300 276	3 53	11 58	20 3
	7	6.6 0.61	16	A.	18	1	1	293 73	3 28	12 6	20 44
	8	6.7 0.49	12	E.	2	1	1	95 74	3 44	- 10	20 36
	9	6.1 0.61	16	F.	20	4	0	95 79	4 19	- 17	20 16
	10	6.4 0.63	16	V.	15	5	0	96 78	4 32	- 38	20 44
S.	11	7.9 0.53	14								
Dist. N.	Mean Temperature.			30. K.	18	2	0	302 276	3 52	11 58	20 4
E.	0	*50 *282		A. <td>16</td> <td>5</td> <td>3</td> <td>293 76<td>3 27</td><td>12 6<td>20 46</td></td></td>	16	5	3	293 76 <td>3 27</td> <td>12 6<td>20 46</td></td>	3 27	12 6 <td>20 46</td>	20 46
	1	*51 *284		E. <td>2</td> <td>0</td> <td>0</td> <td>95 74<td>3 43</td><td>- 10<td>20 37</td></td></td>	2	0	0	95 74 <td>3 43</td> <td>- 10<td>20 37</td></td>	3 43	- 10 <td>20 37</td>	20 37
	2	53 285		F. <td>22</td> <td>3</td> <td>0</td> <td>94 77<td>4 19</td><td>- 18<td>20 18</td></td></td>	22	3	0	94 77 <td>4 19</td> <td>- 18<td>20 18</td></td>	4 19	- 18 <td>20 18</td>	20 18
	3	55 286		V. <td>18</td> <td>5</td> <td>0</td> <td>96 78<td>4 30</td><td>- 38<td>20 45</td></td></td>	18	5	0	96 78 <td>4 30</td> <td>- 38<td>20 45</td></td>	4 30	- 38 <td>20 45</td>	20 45
	4	54 285									
	5	56 286									
W.	6	*52 *284		31. K. <td>17</td> <td>1</td> <td>0</td> <td>300 276<td>3 52<td>11 59<td>20 6</td></td></td></td>	17	1	0	300 276 <td>3 52<td>11 59<td>20 6</td></td></td>	3 52 <td>11 59<td>20 6</td></td>	11 59 <td>20 6</td>	20 6
	7	54 285		A. <td>17</td> <td>4</td> <td>1</td> <td>293 74<td>3 25<td>12 6<td>20 47</td></td></td></td>	17	4	1	293 74 <td>3 25<td>12 6<td>20 47</td></td></td>	3 25 <td>12 6<td>20 47</td></td>	12 6 <td>20 47</td>	20 47
	8	55 286		E. <td>2</td> <td>0</td> <td>0</td> <td>93 77<td>3 42</td><td>- 10<td>20 39</td></td></td>	2	0	0	93 77 <td>3 42</td> <td>- 10<td>20 39</td></td>	3 42	- 10 <td>20 39</td>	20 39
	9	53 285		F. <td>16</td> <td>3</td> <td>0</td> <td>93 78<td>4 18</td><td>- 18<td>20 19</td></td></td>	16	3	0	93 78 <td>4 18</td> <td>- 18<td>20 19</td></td>	4 18	- 18 <td>20 19</td>	20 19
	10	55 286		V. <td>14</td> <td>5</td> <td>0</td> <td>94 77<td>4 29</td><td>- 39<td>20 47</td></td></td>	14	5	0	94 77 <td>4 29</td> <td>- 39<td>20 47</td></td>	4 29	- 39 <td>20 47</td>	20 47
S.	11	56 286		June 1. K. <td>18</td> <td>2</td> <td>0</td> <td>299 276<td>3 51<td>11 59<td>20 7</td></td></td></td>	18	2	0	299 276 <td>3 51<td>11 59<td>20 7</td></td></td>	3 51 <td>11 59<td>20 7</td></td>	11 59 <td>20 7</td>	20 7
				A. <td>15</td> <td>6</td> <td>1</td> <td>95 76<td>3 24<td>12 6<td>20 48</td></td></td></td>	15	6	1	95 76 <td>3 24<td>12 6<td>20 48</td></td></td>	3 24 <td>12 6<td>20 48</td></td>	12 6 <td>20 48</td>	20 48
				E. <td>2</td> <td>0</td> <td>0</td> <td>97 72<td>3 41</td><td>- 10<td>20 40</td></td></td>	2	0	0	97 72 <td>3 41</td> <td>- 10<td>20 40</td></td>	3 41	- 10 <td>20 40</td>	20 40
				F. <td>22</td> <td>0</td> <td>1</td> <td>97 79<td>4 17</td><td>- 18<td>20 19</td></td></td>	22	0	1	97 79 <td>4 17</td> <td>- 18<td>20 19</td></td>	4 17	- 18 <td>20 19</td>	20 19
				V. <td>12</td> <td>1</td> <td>0</td> <td>95 77<td>4 28</td><td>- 39<td>20 49</td></td></td>	12	1	0	95 77 <td>4 28</td> <td>- 39<td>20 49</td></td>	4 28	- 39 <td>20 49</td>	20 49
Relative Frequencies of Wind Components 1911-1914.				2. K.	26	2	0	301 278 <td>3 50<td>11 59<td>20 8</td></td></td>	3 50 <td>11 59<td>20 8</td></td>	11 59 <td>20 8</td>	20 8
Observatory.	S/N	W/E		A.	21	4	1	296 75 <td>3 23<td>12 6<td>20 49</td></td></td>	3 23 <td>12 6<td>20 49</td></td>	12 6 <td>20 49</td>	20 49
				E.	3	2	0	95 74 <td>3 41</td> <td>- 11<td>20 42</td></td>	3 41	- 11 <td>20 42</td>	20 42
				F.	23	2	1	96 79 <td>4 16</td> <td>- 18<td>20 20</td></td>	4 16	- 18 <td>20 20</td>	20 20
				V.	17	3	0	97 79 <td>4 27</td> <td>- 39<td>20 51</td></td>	4 27	- 39 <td>20 51</td>	20 51
Orkney ...	76/28	36/66									
Scilly ...	45/65	53/47		3. K.	21	4	0	300 277 <td>3 49<td>11 59<td>20 9</td></td></td>	3 49 <td>11 59<td>20 9</td></td>	11 59 <td>20 9</td>	20 9
Holyhead	45/69	67/32		A.	21	5	1	296 75 <td>3 22<td>12 6<td>20 51</td></td></td>	3 22 <td>12 6<td>20 51</td></td>	12 6 <td>20 51</td>	20 51
Yarmouth	49/52	23/73		E.	4	1	1	94 74 <td>3 40</td> <td>- 11<td>20 43</td></td>	3 40	- 11 <td>20 43</td>	20 43
				F.	23	3	0	94 80 <td>4 16</td> <td>- 18<td>20 21</td></td>	4 16	- 18 <td>20 21</td>	20 21
				V.	15	1	0	95 77 <td>4 26</td> <td>- 39<td>20 52</td></td>	4 26	- 39 <td>20 52</td>	20 52

28TH MAY TO 3RD JUNE, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 21.5°. M 9h. 12m. Rogation Sunday.	149. SUNDAY, 28th MAY. W.W.R. stations. Post Day.
☉ N 21.6°. M 9h. 59m. 1914. S.S. "Empress of Ireland" sunk in St. Lawrence River.	*150. MONDAY, 29th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 21.8°. M 10h. 48m.	151. TUESDAY, 30th.
☉ N 21.9°. M 11h. 38m. ● New Moon 19h. 37m. 1905. First meeting of the Meteorological Committee. 1911. Thunderstorm at Epsom, 2.44 in. (62 mm.) rain in 50 m. (W.W.R.)*	*152. WEDNESDAY, 31st. M.O.—Geophysical Journal, March Copy day. Obs.—Close Journal, 27.
☉ N 22.1°. M 12h. 30m. Ascension Day. 1908. Thunder squall at Bushy, rain estimated at .275 in. (7 mm.) in two minutes.	153. THURSDAY, 1st JUNE. M.O.—Observer's Handbook. Copy day. Obs.—Met. work despatch day.
☉ N 22.2°. M 13h. 21m.	*154. FRIDAY, 2nd.
☉ N 22.3°. M 14h. 10m. Birthday of King George V.	155. SATURDAY, 3rd. Obs.—Close Journal, 28. Climatological stations. Schedule day.

FIRST WEEK OF SUMMER.				YEAR XXXIX.						WEEK No. 23.		
Normals, 1881-1910, for Districts.				Notes at Observatories.†								
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.			
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years		Rises.	Noon.	Sets.	
Dist.	Sun. hrs.	Rain. in. mm.		June				°A.	G.M.T.			
N.	0			4. K.	20	3	1		h. m.	h. m.	h. m.	
E.				A.	15	3	0	300 277	3 48	11 59	20 10	
				E.	2	1	0	295 76	3 21	12 7	20 53	
	1	6.0	0.36 9	F.	16	3	1	96 75	3 39	- 11	20 44	
	2	5.9	0.36 9	V.	14	4	0	94 79	4 15	- 18	20 22	
	3	6.6	0.54 14					95 76	4 25	- 39	20 53	
	4	6.0	0.51 13									
	5	6.8	0.58 15									
W.				5. K.	20	4	0	300 276	3 48	11 59	20 11	
	6	6.6	0.49 12	A.	24	3	1	294 75	3 20	12 7	20 54	
	7	6.8	0.38 10	E.	2	2	0	94 76	3 38	- 11	20 45	
	8	6.7	0.51 13	F.	16	4	0	95 79	4 15	- 19	20 23	
	9	5.8	0.55 14	V.	16	1	0	94 80	4 25	- 39	20 54	
	10	6.3	0.54 14									
S.												
	11	7.4	0.45 11									
Dist.	Mean Temperature.											
N.	°F.	°A.										
0	*51	*284		6. K.	16	6	0	299 278	3 48	11 59	20 12	
E.				A.	16	2	1	93 73	3 19	12 7	20 55	
				E.	3	0	0	93 73	3 37	- 11	20 46	
				F.	17	6	0	97 80	4 14	- 19	20 24	
				V.	16	1	0	95 80	4 24	- 39	20 55	
	1	*52	*284	7. K.	19	3	1	300 278	3 47	12 0	20 13.	
	2	53	285	A.	24	4	1	296 76	3 18	- 7	20 56	
	3	56	286	E.	2	1	1	99 77	3 37	- 12	20 47	
	4	56	286	F.	22	4	1	96 80	4 13	- 19	20 25	
	5	57	287	V.	13	1	0	98 80	4 24	- 40	20 56	
W.												
	6	*54	*285	8. K.	19	4	0	301 278	3 47	12 0	20 13	
	7	55	286	A.	19	5	1	295 75	3 17	- 7	20 57	
	8	56	286	E.	3	1	0	98 77	3 36	- 12	20 48	
	9	54	285	F.	19	3	2	96 79	4 13	- 19	20 26	
	10	56	286	V.	20	3	0	98 80	4 24	- 40	20 57	
S.												
	11	57	287									
Relative Frequencies of Wind Components 1911-1914.												
Observatory.	S/N	W/E										
Orkney ...	29/79	58/39		9. K	17	3	0	299 277	3 46	12 0	20 14	
Scilly ...	27/67	53/44		A.	21	7	1	92 75	3 17	- 8	20 59	
Holyhead	35/70	67/34		E.	2	1	0	90 75	3 35	- 12	20 49	
Yarmouth	54/53	60/46		F.	21	0	0	96 79	4 13	- 19	20 27	
				V.	21	2	0	96 79	4 23	- 40	20 57	
				10. K.	23	4	0	300 278	3 46	12 0	20 15	
				A.	24	4	2	293 73	3 16	- 8	21 0	
				E.	3	0	0	91 75	3 35	- 12	20 50	
				F.	20	3	0	93 81	4 12	- 20	20 28	
				V.	16	1	0	96 79	4 23	- 40	20 58	

4TH JUNE TO 10TH JUNE, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 22.4°. M 14h. 58m.	*156. SUNDAY, 4th JUNE. W.W.R. stations. Post Day.
☉ N 22.6°. M 15h. 43m.	157. MONDAY, 5th. Anemo. stations. Post Day. Baro. stations. Post Day. Obs.—Send curves and Tabulations to complete month.
☉ N 22.7°. M 16h. 27m. Robert Falcon Scott b. 1868, [d. 29th March, 1912]. 1912. Eruption of Katmai, Alaska. 1915. British Aeroplane Height Record. H. G. Hawker reached 18,393 ft. (5,606 m.).	*158. TUESDAY, 6th.
☉ N 22.8°. M 17h. 9m. 1892. Great Sangir in Eruption.	159. WEDNESDAY, 7th.
☉ N 22.9°. M. 17h. 51m. ▷ First quarter 23h. 59m. St. Medard. 1783. Eruption of Skaptar Jökull.	*160. THURSDAY, 8th. Obs.—Met. work despatch day.
☉ N 22.9°. M 18h. 33m. 1886. Eruption of Tarawera.	161. FRIDAY, 9th. H.D.I.
☉ N 23.0°. M 19h. 18m.	*162. SATURDAY, 10th. Obs.—Close Journal, 29.

SECOND WEEK OF SUMMER.				YEAR XXXIX.				WEEK No. 24.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets
Dist. N.	Sun. hrs.	Rain. in. mm.		June				°A.	G.M.T.		
0	5.5	0.62 16		11. K.	23	5	0	303 278	h. m.	h. m.	h. m.
E.				A.	16	4	2	294 75	3 46	12 0	20 15
1	6.2	0.51 13		E.	3	0	0	93 75	3 16	- 8	21 0
2	6.3	0.40 10		F.	22	1	0	94 79	3 34	- 12	20 51
3	6.5	0.51 13		V.	17	3	0	98 80	4 12	- 20	20 28
4	6.2	0.42 11							4 23	- 40	20 58
5	7.0	0.42 11									
W.				12. K.	22	4	0	301 279	3 46	12 1	20 16
6	6.6	0.66 17		A.	15	6	2	296 77	3 15	- 8	21 1
7	6.9	0.47 12		E.	2	0	0	95 74	3 34	- 13	20 52
8	7.2	0.56 14		F.	21	1	0	94 81	4 12	- 20	20 29
9	5.8	0.59 15		V.	19	1	0	94 79	4 23	- 41	20 59
10	6.1	0.48 12									
S.				13. K.	27	2	0	300 277	3 45	12 1	20 17
11	8.5	0.33 8		A.	18	3	1	294 75	3 15	- 8	21 2
				E.	4	0	0	94 74	3 33	- 13	20 53
Dist.	Mean Temperature.			F.	24	0	0	96 80	4 11	- 20	20 29
N.	0	*52 *284		V.	20	5	0	96 80	4 22	- 41	20 59
E.				14. K.	25	4	0	300 279	3 45	12 1	20 17
1	*54 *285			A.	18	3	0	293 76	3 15	- 9	21 3
2	54 285			E.	4	0	0	94 76	3 33	- 13	20 53
3	56 286			F.	24	4	0	97 80	4 11	- 20	20 30
4	56 286			V.	19	3	0	95 79	4 22	- 41	21 0
5	57 287										
W.				15. K.	24	2	0	301 276	3 45	12 1	20 17
6	*55 *286			A.	20	2	1	296 76	3 15	- 9	21 4
7	55 286			E.	4	0	0	94 74	3 33	- 13	20 54
8	56 286			F.	21	2	0	99 79	4 11	- 21	20 30
9	55 286			V.	18	2	0	97 77	4 22	- 41	21 0
10	56 286										
S.				16. K.	20	1	0	301 278	3 45	12 2	20 18
11	57 287			A.	17	4	1	297 77	3 14	- 9	21 4
				E.	4	0	0	96 76	3 32	- 13	20 54
Relative Frequencies of Wind Components 1911-1914.				F.	21	3	0	96 81	4 11	- 21	20 31
Observatory.	S/N	W		V.	17	3	0	99 79	4 22	- 42	21 1
Orkney ...	36/67	32/64									
Scilly ...	35/65	47/55		17. K.	23	1	0	302 278	3 45	12 2	20 19
Holyhead	42/63	59/45		A.	18	3	3	294 77	3 14	- 9	21 4
Yarmouth	31/60	36/55		E.	1	0	0	98 74	3 33	- 14	20 55
				F.	20	2	0	97 81	4 11	- 21	20 31
				V.	15	2	2	99 79	4 22	- 42	21 1

11TH JUNE TO 17TH JUNE, 1916.			
Astronomical and Historical Notes.		Diary.	
Sun's declination. ☉, and hour of Moon's Southing in Local Mean Time, M.			
☉ N 23.1°. M 20h. 6m. Whitsun Day. St. Barnabas.		SUNDAY, 11th JUNE. W.W.R. stations. Post Day.	
		163.	
☉ N 23.2°. M 20h. 58m.		MONDAY, 12th. M.O.—Press closed. Anemo. stations. Post Day. Baro. stations. Post Day.	
		*164.	
☉ N 23.2°. M 21h. 57m. 1903. Beginning of 3 days' continuous rainfall in London.		TUESDAY, 13th.	
		165.	
☉ N 23.3°. M 23h. 0m. 1914. Remarkable thunderstorms with heavy rainfall, 1.23 in. (31 mm.) increasing to 1.88 in. (48 mm.) later at Wandsworth. Rainfall at Richmond Park 3.7 in. (94 mm.).		WEDNESDAY, 14th. M.O.—Quarterly issue of forms.	
		*166.	
☉ Full Moon 21h. 42m. ☉ N 23.3°. 1854. Department of Board of Trade initiated by Mr. Cardwell for Marine Meteorology. 1914. Severe thunderstorm with subsidence of streets at Paris.		THURSDAY, 15th. Obs.—Met. work despatch day.	
		167.	
☉ N 23.4°. M 0h. 6m. 1914. Thunderstorm, Bavaria. Damage by hail and floods.		FRIDAY, 16th.	
		*168.	
☉ N 23.4°. M 1h. 12m. Third Earl of Rosse b. 1800, [d. 31 Oct., 1867]. 1913. Eruption of Asama-yama, Japan. 1914. Collision during fog between the liner "Kaiser Wilhelm II" and "Incemore" (Liverpool) in the Channel.		SATURDAY, 17th. Obs.—Close Journal, 30.	
		169.	

THIRD WEEK OF SUMMER.				YEAR XXXIX.				WEEK No. 25.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.		June				°A.	G.M.T.		
0	4.7	0.77	20	18. K.	23	2	0	302 279	h. m.	h. m.	h. m.
E.				A.	12	7	4	296 77	3 45	12 2	20 19
1	5.5	0.59	15	E.	2	0	1	95 73	3 14	- 9	21 5
2	5.8	0.51	13	F.	21	1	1	97 81	3 33	- 14	20 56
3	6.3	0.43	11	V.	15	5	0	99 81	4 11	- 21	20 32
4	5.7	0.57	14						4 22	- 42	21 2
5	6.8	0.43	11								
W.				19. K.	20	1	0	303 278	3 45	12 2	20 19
6	5.8	0.85	22	A.	19	4	1	296 78	3 14	- 10	21 5
7	5.8	0.68	17	E.	3	1	0	92 74	3 33	- 14	20 56
8	6.3	0.56	14	F.	15	2	1	300 82	4 11	- 21	20 32
9	5.4	0.76	19	V.	14	6	0	300 79	4 22	- 42	21 2
10	5.7	0.83	21								
S.				20. K.	23	5	0	300 278	3 45	12 2	20 19
11	7.6	0.44	11	A.	16	1	1	295 77	3 14	- 10	21 5
				E.	1	1	0	93 75	3 33	- 14	20 56
Dist.	Mean Temperature.			F.	20	5	1	95 82	4 12	- 22	20 32
N.	0	*53	*285	V.	14	4	2	98 79	4 22	- 42	21 2
E.											
1	*54	*286		21. K.	22	0	1	302 280	3 45	12 3	20 20
2	56	286		A.	19	0	1	294 77	3 15	- 10	21 6
3	58	287		E.	2	1	0	92 76	3 33	- 14	20 56
4	57	287		F.	18	3	0	95 81	4 12	- 22	20 32
5	58	288		V.	11	2	0	97 80	4 23	- 43	21 3
W.											
6	*56	*286		22. K.	21	2	1	298 278	3 46	12 3	20 20
7	57	287		A.	13	3	3	95 78	3 15	- 10	21 6
8	57	287		E.	2	1	0	90 77	3 34	- 15	20 57
9	56	286		F.	17	4	0	96 81	4 12	- 22	20 32
10	57	287		V.	14	5	0	97 81	4 23	- 43	21 3
S.											
11	58	288		23. K.	18	3	0	301 280	3 46	12 3	20 20
				A.	18	6	3	294 78	3 15	- 10	21 6
				E.	2	0	0	89 79	3 34	- 15	20 57
				F.	15	4	0	96 82	4 12	- 22	20 32
				V.	12	4	0	99 80	4 23	- 43	21 3
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E		24. K.	20	2	0	302 281	3 46	12 3	20 20
Orkney ...	68/33	31/74		A.	18	4	3	295 78	3 16	- 11	21 7
Seilly ...	45/50	102/7		E.	1	1	0	90 77	3 34	- 15	20 57
Holyhead	84/23	96/6		F.	20	4	1	96 82	4 13	- 23	20 33
Yarmouth	82/24	67/39		V.	9	4	0	98 81	4 23	- 43	21 3

18TH JUNE TO 24TH JUNE, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 23° 4'. M 2h. 14m. Trinity Sunday. 1914. Thunderstorms in several parts of England and Scotland. Stranding of "Bülow" near Portland, owing to fog. 1783. Eruption of Skaptar Jökull.	*170. SUNDAY, 18th JUNE. W.W.R. stations. Post Day.
☉ 23° 4'. M 3h. 12m. St. Protas. 1914. Heavy local rainstorms in Scotland resulting in a serious railway accident at Carr Bridge (Inverness). 1623. Blaise Pascal b. [d. 19 Aug. 1662].	171. MONDAY, 19th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 23° 5'. M 4h. 5m.	*172. TUESDAY, 20th.
☉ N 23° 5'. M 4h. 53m. Summer Solstice. Georg von Neumayer b. 1821, [d. 24 May, 1909].	173. WEDNESDAY, 21st.
☉ N 23° 5'. M 5h. 40m. ☾ Last quarter 13h. 16m. Corpus Christi.	*174. THURSDAY, 22nd. Obs.—Met. work despatch day.
☉ N 23° 4'. M 6h. 25m. Birthday of Prince of Wales.	175. FRIDAY, 23rd. H.D.I.
☉ N 23° 4'. M 7h. 11m. St. John. Midsummer Day. 1035. Frost on Midsummer Day; so vehement that corn and fruit were destroyed.—(LOWE.) 1777. Sir John Ross b. [d. 30 Aug. 1856].	*176. SATURDAY, 24th. Obs.—Close Journal, 31.

FOURTH WEEK OF SUMMER.				YEAR XXXIX.				WEEK No. 26.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Temperature Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets
Dist. N.	Sun. hrs.	Rain. in.	mm.					°A.	h. m.	h. m.	h. m.
0	4.7	0.65	16	June 25. K.	20	4	0	301 279	3 46	12 3	20 20
E.				A.	17	3	2	298 77	3 16	- 11	21 6
1	6.4	0.46	12	E.	3	0	0	91 80	3 34	- 15	20 56
2	6.6	0.43	11	F.	20	2	1	96 82	4 13	- 23	20 32
3	7.7	0.42	11	V.	15	5	0	97 81	4 23	- 43	21 3
4	6.7	0.52	13								
5	8.0	0.38	10								
W.				26. K.	22	2	0	303 280	3 47	12 4	20 20
6	6.3	0.66	17	A.	17	4	1	297 77	3 17	- 11	21 6
7	6.6	0.61	16	E.	1	1	0	90 77	3 35	- 16	20 57
8	7.2	0.52	13	F.	22	1	0	97 82	4 14	- 23	20 32
9	5.0	0.64	16	V.	15	8	0	300 80	4 24	- 44	21 3
10	5.7	0.55	14								
S.				27. K.	24	1	0	302 278	3 48	12 4	20 20
11	8.7	0.33	8	A.	18	3	2	297 79	3 17	- 11	21 6
				E.	1	0	0	91 74	3 36	- 16	20 56
				F.	18	4	0	96 82	4 14	- 23	20 32
				V.	15	3	0	97 80	4 25	- 44	21 3
Dist. N.	Mean Temperature.			28. K.	23	0	0	300 281	3 48	12 4	20 20
0	°F. *54	°A. *285		A.	17	6	0	295 77	3 18	- 12	21 5
E.				E.	2	0	0	92 79	3 36	- 16	20 56
1	*56	*286		F.	20	2	0	96 82	4 15	- 23	20 32
2	58	287		V.	21	2	0	300 81	4 25	- 44	21 3
3	60	288									
4	59	288		29. K.	19	1	0	302 281	3 49	12 4	20 19
5	60	289		A.	21	4	1	295 78	3 19	- 12	21 5
W.				E.	3	1	0	93 80	3 37	- 16	20 55
6	*57	*287		F.	20	0	0	97 81	4 16	- 24	20 32
7	58	288		V.	12	4	0	99 80	4 26	- 44	21 2
8	59	288									
9	57	287		30. K.	22	2	1	302 280	3 49	12 4	20 19
10	58	288		A.	19	2	0	298 79	3 19	- 12	21 4
S.				E.	2	0	0	93 77	3 37	- 16	20 55
11	60	288		F.	20	3	0	94 82	4 16	- 24	20 32
				V.	13	1	0	98 81	4 26	- 44	21 2
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E		July 1. K.	22	1	0	305 280	3 50	12 5	20 19
Orkney ...	57/45	63/37		A.	18	5	1	298 79	3 20	- 12	21 4
Scilly ...	24/76	87/15		E.	2	0	0	97 80	3 38	- 17	20 54
Holyhead	58/50	102/9		F.	18	1	0	96 82	4 17	- 24	20 31
Yarmouth	67/39	74/19		V.	13	2	1	97 81	4 27	- 45	21 2

25TH JUNE TO 1ST JULY, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 23.4°. M 7h. 57m.	177. SUNDAY, 25th JUNE. W.W.R. stations. Post Day.
☉ N 23.4°. M 8h. 45m. William Thomson, Lord Kelvin b. 1824, [d. 17 Dec., 1907].	*178. MONDAY, 26th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 23.3°. M 9h. 35m. 1914. World's Height Record. H. Bier with a passenger reached a height of 6,170 m.	179. TUESDAY, 27th.
☉ N 23.3°. M 10h. 26m.	*180. WEDNESDAY, 28th.
☉ N 23.3°. M 11h. 17m. S.S. Peter and Paul.	181. THURSDAY, 29th. Balloon Day. Obs.—Met. work despatch day.
☉ N 23.2°. M 12h. 7m. ☿ New Moon 10h. 43m. 1879. First issue of forecasts during Harvest season.	*182. FRIDAY, 30th. Observatories— Close Journal, 32. Electrical Work, 1914. 1st Quarter day. Day for delivery of Magnetic Material for Hourly Values (Year Book, Pt. IV. 2, 1914). M.O.—Geophysical Journal, April Copy day.
☉ N 23.1°. M 12h. 55m. 1910. Administration of Kew and Eskdale observatories transferred to M.O.	183. SATURDAY, 1st JULY. M.O.—Codes of Signals. Copy day. Obs.—Close Journal, 33.

FIFTH WEEK OF SUMMER.				YEAR XXXIX.				WEEK No. 27.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Temperature Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.		July				°A.	G.M.T.		
0	4.3	0.79	20	2. K.	22	4	1	302 281	h. m.	h. m.	h. m.
E.				A.	11	1	0	298 80	3 51	12 5	20 19
1	5.3	0.64	16	E.	1	2	1	95 79	3 21	- 12	21 3
2	6.7	0.49	12	F.	22	0	0	96 82	3 39	- 17	20 54
3	7.2	0.41	10	V.	14	4	0	98 82	4 17	- 24	20 31
4	6.7	0.43	11						4 28	- 45	21 2
5	7.5	0.42	11								
W.				3. K.	24	1	0	303 282	3 52	12 5	20 18
6	6.2	0.74	19	A.	13	3	0	296 79	3 22	- 12	21 2
7	6.5	0.56	14	E.	3	0	0	94 77	3 40	- 17	20 53
8	7.1	0.50	13	F.	24	0	0	96 82	4 18	- 24	20 30
9	5.1	0.55	14	V.	16	5	0	97 82	4 29	- 45	21 1
10	5.6	0.56	14								
S.				4. K.	25	1	0	302 282	3 52	12 5	20 18
11	8.2	0.49	12	A.	15	4	0	297 77	3 23	- 13	21 2
				E.	4	1	0	93 74	3 41	- 17	20 53
				F.	22	3	0	98 82	4 19	- 25	20 30
				V.	16	9	0	95 82	4 29	- 45	21 1
Dist. N.	Mean Temperature.										
0	°F.	°A.									
E.	*54	*285									
1	*56	*286		5. K.	22	1	0	305 281	3 53	12 6	20 17
2	58	288		A.	15	3	0	298 78	3 24	- 13	21 1
3	60	288		E.	3	0	1	92 81	3 42	- 17	20 52
4	60	288		F.	18	2	0	97 83	4 19	- 25	20 30
5	60	289		V.	10	4	1	96 82	4 30	- 46	21 0
W.											
6	*57	*287		6. K.	21	1	0	302 282	3 54	12 6	20 17
7	58	288		A.	13	2	1	295 77	3 25	- 13	21 0
8	59	288		E.	2	0	0	93 81	3 43	- 17	20 52
9	57	287		F.	23	0	0	95 83	4 20	- 25	20 30
10	59	288		V.	10	2	0	95 81	4 31	- 46	21 0
S.											
11	60	289									
Relative Frequencies of Wind Components 1911-1914.				7. K.	22	2	0	303 280	3 55	12 6	20 17
Observatory.	S/N	W/E		A.	19	4	0	297 78	3 26	- 13	20 59
Orkney ...	42/60	63/40		E.	2	2	0	94 76	3 44	- 18	20 51
Scilly ..	12/86	59/37		F.	18	0	0	97 82	4 20	- 25	20 29
Holyhead	45/62	84/24		V.	13	5	0	94 81	4 32	- 46	20 59
Yarmouth	48/59	63/37		8. K.	22	2	0	303 279	3 56	12 6	20 16
				A.	18	0	0	297 77	3 27	- 13	20 58
				E.	5	0	0	93 75	3 45	- 18	20 50
				F.	19	0	0	99 81	4 21	- 25	20 28
				V.	13	4	0	98 80	4 33	- 46	20 59

2ND JULY TO 8TH JULY, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 23.1°. M 13h. 41m.	*184. SUNDAY, 2nd JULY. W.W.R. stations. Post Day.
☉ N 23.1°. M 14h. 25m. Dog Days, July 3-Aug. 11.	185. MONDAY, 3rd. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 22.9°. M 15h. 7m. St. Martin Bullion.	*186. TUESDAY, 4th. Climatological stations. Schedule day.
☉ N 22.8°. M 15h. 48m. Admiral Robert FitzRoy b. 1805, [d. 30 April, 1865]. 1868. Issue of lithographed copies of Daily Weather Report begun.	187. WEDNESDAY, 5th. Obs.—Send curves and tabulations to complete month.
☉ N 22.7°. M 16h. 30m. William Clement Ley b. 1840, [d. 22 April, 1896].	*188. THURSDAY, 6th. Obs.—Met. work despatch day.
☉ N 22.6°. M 7h. 13m. 1558. "Marvellous tempest of thunder" near Nottingham. Hailstones 15 in. in circumference.—(LOWE.)	189. FRIDAY, 7th. H.D.I.
☉ N 22.5°. M 17h. 58m. ▷ First quarter 11h. 55m. 1893. Thunder and hailstorms over England and S. Scotland. Hailstones 6-7 in. in circumference fell at Richmond, Yorks.—(Q.J.) 1892. Mt. Etna in eruption. 1905. Kashgar earthquake.	*190. SATURDAY, 8th. Obs.—Close Journal, 34.

SIXTH WEEK OF SUMMER.				YEAR XXXIX.				WEEK No. 28.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Temperature Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.	July 9.				°A.	G.M.T.			
E. 0	4.4	0.69 18	K. 20	1	0	304 281		h. m.	h. m.	h. m.	
			A. 18	4	0	298 78		3 57	12 6	20 15	
1	5.4	0.66 17	E. 3	0	0	92 77		3 28	- 13	20 57	
2	6.1	0.49 12	F. 16	1	0	97 82		3 46	- 18	20 49	
3	6.7	0.52 13	V. 17	2	1	98 81		4 22	- 25	20 27	
4	6.0	0.52 13						4 34	- 46	20 58	
5	7.3	0.45 11									
W. 6	5.8	0.90 23	10. K. 21	2	0	303 282		3 58	12 6	20 14	
7	6.3	0.66 17	A. 19	3	2	296 78		3 30	- 14	20 57	
8	6.6	0.64 16	E. 3	1	0	96 77		3 47	- 18	20 48	
9	4.9	0.73 18	F. 21	1	0	95 82		4 23	- 25	20 27	
10	5.4	0.72 18	V. 12	4	0	98 80		4 35	- 46	20 58	
S. 11	8.1	0.47 12	11. K. 19	0	1	302 279		3 59	12 6	20 13	
			A. 15	4	1	295 78		3 32	- 14	20 56	
			E. 2	0	0	98 80		3 49	- 18	20 47	
			F. 19	0	0	98 81		4 24	- 26	20 26	
			V. 14	5	0	99 78		4 36	- 46	20 57	
Dist. N.	Mean Temperature. °F. °A.		12.								
E. 0	*54	*285	K. 19	2	0	303 280		4 0	12 6	20 12	
			A. 15	5	1	298 78		3 33	- 14	20 55	
1	*57	*286	E. 2	0	0	301 81		3 50	- 18	20 46	
2	59	288	F. 23	1	0	297 81		4 25	- 26	20 26	
3	60	289	V. 12	3	0	300 82		4 37	- 46	20 56	
4	60	288									
5	61	289									
W. 6	*57	*287	13. K. 26	1	0	302 280		4 1	12 7	20 12	
7	59	288	A. 19	2	2	296 78		3 34	- 14	20 53	
8	59	288	E. 2	0	0	98 75		3 51	- 18	20 45	
9	57	287	F. 20	1	0	98 81		4 26	- 26	20 25	
10	59	288	V. 15	4	0	96 82		4 38	- 47	20 55	
S. 11	61	289									
Relative Frequencies of Wind Components 1911-1914.			14.								
			K. 23	1	0	303 281		4 3	12 7	20 11	
			A. 19	0	3	297 79		3 36	- 14	20 52	
			E. 3	0	0	98 78		3 52	- 19	20 44	
			F. 22	1	0	99 81		4 27	- 26	20 24	
			V. 12	1	0	99 80		4 39	- 47	20 54	
Observatory.	S/N	W/E	15.								
Orkney ...	75/34	37/64	K. 20	2	0	305 281		4 4	12 7	20 10	
			A. 14	2	0	297 79		3 37	- 14	20 50	
			E. 2	0	0	96 77		3 54	- 19	20 43	
Scilly ...	42/62	51/43	F. 17	3	0	98 82		4 28	- 26	20 23	
			V. 10	5	0	99 82		4 40	- 47	20 53	
Holyhead	52/53	81/18									
Yarmouth	50/57	37/63									

SEVENTH WEEK OF SUMMER.				YEAR XXXIX.				WEEK No. 29.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.		July				°A.	G.M.T.		
0	4.0	0.91 23		16. K.	22	5	0	305 280	h. m.	h. m.	h. m.
E.				A.	12	4	0	302 78	4 5	12 7	20 9
1	5.1	0.75 19		E.	1	1	0	294 77	3 39	- 14	20 49
2	5.9	0.62 16		F.	21	4	0	98 84	3 56	- 19	20 42
3	6.7	0.59 15		V.	14	5	0	96 81	4 29	- 26	20 22
4	5.8	0.50 13							4 41	- 47	20 52
5	6.8	0.52 13									
W.				17. K.	21	1	0	302 282	4 6	12 7	20 8
6	5.5	0.81 21		A.	15	4	0	298 80	3 40	- 14	20 47
7	5.7	0.70 18		E.	2	3	0	89 82	3 57	- 19	20 40
8	6.0	0.72 18		F.	17	2	0	300 84	4 30	- 26	20 21
9	4.3	0.82 21		V.	12	8	0	296 83	4 42	- 47	20 51
10	4.8	0.66 17									
S.				18. K.	20	1	0	303 280	4 7	12 7	20 7
11	7.2	0.53 14		A.	20	1	0	299 80	3 42	- 14	20 46
				E.	2	0	0	91 80	3 59	- 19	20 39
				F.	19	1	2	97 84	4 32	- 26	20 20
				V.	15	7	0	97 83	4 44	- 47	20 50
Dist. N.	Mean Temperature.										
	°F.	°A.									
0	*55	*286		19. K.	14	1	0	305 280	4 8	12 7	20 6
E.				A.	16	2	0	298 79	3 44	- 15	20 45
1	*57	*287		E.	2	1	0	93 79	4 0	- 19	20 37
2	59	288		F.	14	4	0	98 84	4 33	- 26	20 19
3	61	289		V.	9	3	1	98 81	4 46	- 47	20 49
4	60	289									
5	62	289		20. K.	28	0	0	305 281	4 10	12 7	20 4
W.				A.	18	3	1	296 77	3 46	- 15	20 43
6	*58	*287		E.	2	1	0	95 79	4 2	- 19	20 36
7	59	288		F.	17	1	0	98 82	4 34	- 26	20 18
8	60	288		V.	10	4	0	97 84	4 47	- 47	20 48
9	57	287									
10	59	288		21. K.	20	1	0	304 281	4 11	12 7	20 3
S.				A.	15	5	0	298 78	3 48	- 15	20 41
11	61	289		E.	2	2	0	99 81	4 3	- 19	30 34
				F.	13	1	0	96 82	4 35	- 26	20 17
				V.	7	5	0	98 81	4 48	- 47	20 46
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E		22. K.	18	1	0	304 282	4 13	12 7	20 1
Orkney ...	47/55	57/41		A.	18	2	1	297 79	3 50	- 15	20 40
Scilly ...	21/72	68/30		E.	4	0	0	90 78	4 5	- 19	20 33
Holyhead	43/62	82/21		F.	13	3	0	98 82	4 38	- 27	20 16
Yarmouth	50/48	54/34		V.	7	4	0	300 82	4 50	- 47	20 44

16TH JULY TO 22ND JULY, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 21.4°. M 0h. 55m.	*198. SUNDAY, 16th JULY. W.W.R. stations. Post Day.
☉ N 21.2°. M 1h. 52m. 1666. "Hailstorm in Suffolk. Hailstones 9 in., 8 in., 12 in. At Friston Hall, one weighed 12s. 6d."—(LOWE.)	199. MONDAY, 17th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 21.1°. M 2h. 44m.	*200. TUESDAY, 18th.
☉ N 20.9°. M 3h. 33m.	201. WEDNESDAY, 19th.
☉ N 20.7°. M 4h. 20m. St. Margaret. St. Jacob.	*202. THURSDAY, 20th. Obs.—Met. work despatch day.
☉ N 20.5°. M 5h. 7m. (Last quarter 23h. 33m.)	203. FRIDAY, 21st. H.D.I.
☉ N 20.3°. M 5h. 54m. St. Mary Magdalene. 1868. 96.6° F. (309° A.) at Greenwich. 100.5° F. (311° A.) at Tonbridge.	*204. SATURDAY, 22nd. Obs.—Close Journal, 36.

EIGHTH WEEK OF SUMMER.				YEAR XXXIX.						WEEK No. 30.		
Normals, 1881-1910, for Districts.				Notes at Observatories.†								
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.			
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets	
Dist. N.	Sun. hrs.	Rain. in. mm.		July				°A.	G.M.T.			
0	4.0	0.69	18	23. K.	19	3	0	301 281	h. m.	h. m.	h. m.	
E.				A.	15	2	0	293 79	4 14	12 7	20 0	
1	4.5	0.67	17	E.	2	1	0	91 80	3 52	- 15	20 38	
2	5.2	0.76	19	F.	12	2	0	97 83	4 6	- 19	20 31	
3	5.8	0.62	16	V.	8	2	0	95 82	4 39	- 27	20 14	
4	5.2	0.77	20						4 52	- 47	20 42	
5	6.3	0.64	16									
W.				24. K.	21	1	0	303 281	4 15	12 7	19 58	
6	5.1	0.81	21	A.	9	5	0	295 79	3 54	- 15	20 36	
7	5.2	0.87	22	E.	1	0	0	91 79	4 8	- 19	20 29	
8	5.6	0.85	22	F.	13	3	1	96 84	4 40	- 27	20 13	
9	4.4	0.77	20	V.	11	2	0	96 82	4 54	- 47	20 41	
10	4.9	0.80	20									
S.				25. K.	18	1	0	305 282	4 17	12 7	19 57	
11	6.9	0.57	14	A.	10	8	2	300 79	3 55	- 15	20 34	
				E.	3	0	0	293 76	4 10	- 19	20 28	
				F.	19	5	1	97 83	4 42	- 27	20 12	
				V.	9	2	0	96 82	4 55	- 47	20 40	
Dist. N.	Mean Temperature.			26. K.	14	1	0	303 279	4 18	12 7	19 56	
0	°F.	°A.		A.	16	3	1	293 78	3 57	- 15	20 32	
E.	*55	*286		E.	3	0	0	92 75	4 12	- 19	20 26	
1	*56	*286		F.	15	4	0	99 83	4 43	- 27	20 10	
2	58	288		V.	15	1	0	96 81	4 56	- 47	20 39	
3	60	289										
4	60	288		27. K.	16	0	0	301 281	4 19	12 7	19 55	
5	61	289		A.	19	4	1	294 78	3 59	- 15	20 30	
W.	*57	*287		E.	2	1	0	94 77	4 13	- 19	20 24	
6	59	288		F.	17	4	0	96 83	4 44	- 27	20 9	
7	60	288		V.	11	0	0	97 81	4 57	- 47	20 38	
8	60	288										
9	57	287		28. K.	23	1	0	303 280	4 21	12 7	19 53	
10	59	288		A.	15	5	1	295 76	4 1	- 15	20 28	
S.				E.	2	1	0	94 77	4 15	- 19	20 22	
11	61	289		F.	13	0	0	95 83	4 46	- 27	20 8	
				V.	11	1	0	98 80	4 58	- 47	20 37	
Relative Frequencies of Wind Components 1911-1914.				29. K.	18	1	0	304 280	4 22	12 7	19 52	
Observatory.	S/N	W/E		A.	18	3	0	297 79	4 3	- 15	20 26	
Orkney ...	39/68	56/47		E.	3	0	0	96 78	4 17	- 19	20 21	
Scilly ...	51/48	48/46		F.	18	2	0	96 83	4 47	- 27	20 6	
Holyhead	44/60	63/27		V.	12	5	0	97 83	4 59	- 47	20 36	
Yarmouth	35/63	45/47										

23RD JULY TO 29TH JULY, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 20.1°. M 6h. 42m.	205. SUNDAY, 23rd JULY. W.W.R. stations. Post Day.
☉ N 19.9°. M 7h. 31m. Sir Richard Strachey b. 1817, [d. 12 Feb., 1908].	*206. MONDAY, 24th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 19.7°. M 8h. 22m. St. James.	207. TUESDAY, 25th.
☉ N 19.5°. M 9h. 13m.	*208. WEDNESDAY, 26th.
☉ N. 19.3°. M 10h. 3 m. Sir George Biddell Airy b. 1801 [d. 2 Jan. 1892].	209. THURSDAY, 27th. Balloon Day. Obs.—Met. work despatch day.
☉ N 19.0°. M 10h. 52m. 1911. Thunderstorm and "record" wind at South Kensington, 1.1 in. (28 mm.) of rain in 15 mins. Gust, 24.1 m/s (54 ml/hr), at 17h. 16m.	*210. FRIDAY, 28th.
☉ N 18.8°. M 11h. 39m.	211. SATURDAY 29th. Obs.—Close Journal, 37. M.O.—W.W.R. App. I. Copy day.

NINTH WEEK OF SUMMER.				YEAR XXXIX.				WEEK No. 31.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.		July				°A.	G.M.T.		
0	3.6	0.90	23	30. K.	23	1	1	300 281	h. m.	h. m.	h. m.
E.				A.	18	1	1	297 79	4 24	12 7	19 50
1	5.2	0.58	15	E.	5	0	1	96 76	4 5	- 15	20 24
2	6.1	0.47	12	F.	17	0	0	96 83	4 19	- 19	20 19
3	6.8	0.38	10	V.	16	4	0	97 80	4 48	- 26	20 4
4	6.1	0.46	12						5 1	- 47	20 34
5	7.1	0.37	9								
W.				31. K.	25	2	0	301 281	4 25	12 7	19 49
6	5.5	0.82	21	A.	23	3	0	295 78	4 7	- 15	20 22
7	5.9	0.71	18	E.	2	1	0	94 76	4 21	- 19	20 17
8	6.6	0.60	15	F.	23	3	0	95 84	4 49	- 26	20 2
9	4.4	0.77	20	V.	14	1	0	97 81	5 3	- 47	20 32
10	5.0	0.73	18								
S.											
11	8.7	0.42	11								
				Aug.							
				1. K.	23	1	0	300 280	4 27	12 7	19 47
				A.	18	2	0	299 78	4 9	- 15	20 20
				E.	1	2	0	92 81	4 22	- 19	20 15
				F.	15	1	0	95 83	4 51	- 26	20 1
				V.	13	0	0	98 82	5 5	- 47	20 30
				2. K.	18	0	0	301 280	4 29	12 7	19 45
				A.	16	5	0	296 77	4 10	- 14	20 17
				E.	1	0	0	95 75	4 24	- 19	20 13
				F.	18	0	0	95 82	4 52	- 26	19 59
				V.	12	4	0	99 81	5 7	- 47	20 28
				3. K.	24	0	0	300 280	4 31	12 7	19 43
				A.	16	3	0	296 76	4 12	- 14	20 15
				E.	2	0	0	96 72	4 26	- 19	20 11
				F.	21	1	0	96 81	4 53	- 26	19 58
				V.	9	2	0	98 82	5 9	- 47	20 26
				4. K.	19	0	0	304 282	4 32	12 7	19 42
				A.	16	3	1	295 76	4 14	- 14	20 13
				E.	1	1	0	91 79	4 28	- 19	20 9
				F.	16	1	0	96 82	4 55	- 26	19 57
				V.	11	3	0	95 82	5 11	- 47	20 24
				5. K.	17	1	0	303 280	4 34	12 7	19 40
				A.	18	7	0	296 79	4 16	- 14	20 11
				E.	2	1	0	89 77	4 30	- 19	20 7
				F.	17	2	0	96 81	4 56	- 26	19 55
				V.	7	3	0	95 83	5 12	- 47	20 23
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E									
Orkney ...	83/23	37/65									
Scilly ...	51/41	55/40									
Holyhead	55/47	65/34									
Yarmouth	65/39	48/50									

30TH JULY TO 5TH AUGUST, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 18° 6'. M 12h. 24m. Annular eclipse of the Sun; central in Australia. ● New Moon 2h. 15m.	*212. SUNDAY, 30th JULY. W.W.R. stations. Post Day.
☉ N 18° 5'. M 13h. 6m.	213. MONDAY, 31st. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Geophysical Journal. May Copy day. Calendar Copy Day. Obs.—Close Journal, 38.
☉ N 18° 1'. M 13h. 48m. Lammas Day. 1861. Weather forecasts first issued by Admiral FitzRoy in this month. 1910. First report by radiotelegraphy from Gibraltar.	*214. TUESDAY, 1st AUGUST.
☉ N 17° 8'. M 14h. 30m. 1829. Great floods commenced in Moray. (See Account by Sir Thomas Dick Lauder.) 1906. Exceptionally destructive hailstorm over the east Midland Counties: value of uninsured crops destroyed estimated at £55,000.—(M.W.R.)*	215. WEDNESDAY, 2nd.
☉ N 17° 5'. M 15h. 11m. 1879. Destructive hailstorm at Kew.	*216. THURSDAY, 3rd. Obs.—Met. work despatch day.
☉ N 17° 3'. M 15h. 55m. 1577. "Exceeding great and terrible tempeste" at Bungay, near Norwich.—(LOWE.)	217. FRIDAY, 4th. Climatological stations. Schedule day. H.D.I.
☉ N 17° 0'. M 16h. 41m.	*218. SATURDAY, 5th. Obs.—Close Journal, 39. Send curves and tabulations to complete month.

* Monthly Weather Report.

TENTH WEEK OF SUMMER.				YEAR XXXIX.				WEEK No. 32.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.		Aug.				°A.	G.M.T.		
E.	0	3.5	0.89 23	6. K.	21	3	0	302 281	h. m.	h. m.	h. m.
				A.	14	5	0	297 78	4 35	12 7	19 39
	1	4.7	0.70 18	E.	7	0	0	90 77	4 19	- 14	20 9
	2	5.4	0.57 14	F.	18	1	1	95 83	4 31	- 18	20 5
	3	6.0	0.48 12	V.	9	2	0	95 83	4 58	- 26	19 54
	4	5.5	0.49 12						5 13	- 47	20 22
	5	6.6	0.40 10								
W.	6	5.1	1.00 25	7. K.	21	0	0	301 281	4 36	12 6	19 37
	7	5.1	0.76 19	A.	19	3	0	294 81	4 21	- 14	20 7
	8	6.2	0.59 15	E.	2	1	0	90 76	4 33	- 18	20 3
	9	4.2	0.90 23	F.	18	0	1	96 83	5 0	- 26	19 52
	10	5.2	0.88 22	V.	9	3	0	96 82	5 14	- 46	20 20
S.	11	8.0	0.54 14								
				8. K.	19	4	0	304 281	4 37	12 6	19 35
				A.	15	4	2	295 79	4 23	- 14	20 5
				E.	3	1	0	95 75	4 35	- 18	20 1
				F.	17	5	0	97 81	5 1	- 26	19 50
				V.	11	5	0	96 82	5 16	- 46	20 18
Dist.	Mean Temperature.										
N.	°F.	°A.									
0	*55	*286									
E.											
1	*56	*287		9. K.	18	2	0	307 282	4 39	12 6	19 33
2	58	288		A.	14	5	3	297 78	4 25	- 14	20 3
3	60	289		E.	7	0	0	95 79	4 37	- 18	19 59
4	60	288		F.	13	2	0	98 83	5 2	- 26	19 48
5	61	289		V.	9	1	0	96 82	5 17	- 46	20 16
W.											
6	*57	*287									
7	59	288		10. K.	21	1	0	300 281	4 41	12 6	19 31
8	60	288		A.	9	5	2	298 76	4 27	- 14	20 0
9	58	287		E.	3	0	0	93 77	4 39	- 18	19 57
10	59	288		F.	19	1	0	96 83	5 3	- 25	19 46
S.				V.	11	2	0	96 83	5 19	- 46	20 14
	62	290									
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E		11. K.	18	1	0	305 280	4 42	12 6	19 30
				A.	15	3	0	300 77	4 29	- 13	19 57
				E.	7	0	0	292 76	4 41	- 18	19 55
				F.	18	0	0	97 82	5 5	- 25	19 45
				V.	13	4	0	98 83	5 21	- 46	20 12
Orkney ...	43/58	52/41									
Scilly ...	38/63	75/32		12. K.	26	2	0	304 281	4 44	12 6	19 28
				A.	9	3	1	298 79	4 31	- 13	19 55
Holyhead	48/52	83/23		E.	3	0	0	94 78	4 43	- 18	19 52
				F.	16	4	0	98 83	5 7	- 25	19 43
Yarmouth	44/43	57/24		V.	9	2	1	99 83	5 23	- 46	20 10

6TH AUGUST TO 12TH AUGUST, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 16.7°. M 17h. 32m. ☾ First quarter 21h. 6m. George James Symons b. 1838, [d. 10 Mar., 1900]. 1857. 9½ in. of rainfall at Scarborough.	219. SUNDAY, 6th AUGUST. W.W.R. stations. Post Day.
☉ N 16.5°. M 18h. 27m. Elias Loomis b. 1811, [d. 14 Aug., 1889].	*220. MONDAY, 7th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Press closed.
☉ N 22.5°. M 19h. 27m. 1851. First printed Daily Weather Map issued at the Great Exhibition.—(S.M.)	221. TUESDAY, 8th.
☉ N 22.4°. M 20h. 30m. 1911. Hottest day on record in London, 100° F. (311° A.) at Greenwich (Glaisher screen); 97° F. (309° A.) at South Kensington. 1912. Earthquake, Sea of Marmora.	*222. WEDNESDAY, 9th.
☉ N 22.3°. M 21h. 34m. St. Lawrence. 1675. Greenwich Observatory founded.	223. THURSDAY, 10th. Obs.—Met. work despatch day.
☉ N 22.1°. M 22h. 36m.	*224. FRIDAY, 11th.
☉ N 22.0°. M 23h. 34m.	225. SATURDAY, 12th. Obs.—Close Journal, 40.

ELEVENTH WEEK OF SUMMER.				YEAR XXXIX.						WEEK No. 33.					
Normals, 1881-1910, for Districts.				Notes at Observatories.†											
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Temperature Extremes, 1871-1915.		Sun.					
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.			Rises.	Noon.	Sets.			
Dist. N.	Sun. hrs.	Rain. in. mm.	Aug. 13. K.	23	2	1	°A.		G.M.T.						
E. 0	4.1	0.99 25	A. 14	5	1		307 281	h. m.	h. m.	h. m.					
1	4.9	0.80 20	E. 3	1	0		295 76	4 46	12 6	19 26					
2	5.3	0.66 17	F. 19	3	0		96 78	4 33	- 13	19 53					
3	6.3	0.52 13	V. 15	3	2		99 82	4 44	- 17	19 50					
4	5.7	0.61 16					97 82	5 8	- 25	19 41					
5	6.8	0.57 14						5 25	- 46	20 8					
W. 6	5.1	1.10 28	14. K.	24	0	0	304 279	4 47	12 5	19 23					
7	5.2	0.81 21	A. 15	4	1		294 77	4 35	- 13	19 50					
8	6.3	0.74 19	E. 2	0	0		99 78	4 46	- 17	19 48					
9	4.6	0.88 22	F. 16	1	0		98 82	5 10	- 25	19 39					
10	5.2	0.89 23	V. 9	2	1		98 81	5 26	- 45	20 6					
S. 11	7.7	0.55 14													
			15. K.	23	3	0	304 278	4 49	12 5	19 21					
			A. 12	2	1		298 79	4 37	- 13	19 48					
			E. 3	0	0		92 80	4 48	- 17	19 46					
			F. 19	2	0		96 82	5 11	- 25	19 38					
			V. 12	3	0		98 82	5 27	- 45	20 4					
Dist. N.	Mean Temperature.														
0	°F. *54	°A. *286													
E. 1	*56	*286													
2	58	288	16. K.	21	2	0	303 280	4 51	12 5	19 20					
3	60	289	A. 15	4	0		296 79	4 39	- 12	19 45					
4	59	288	E. 3	0	0		94 78	4 50	- 17	19 44					
5	61	289	F. 20	3	0		96 83	5 12	- 24	19 36					
W. 6	*57	*287	V. 11	4	0		96 81	5 29	- 45	20 2					
7	59	288													
8	59	288													
9	57	287	17. K.	20	0	0	304 281	4 52	12 5	19 18					
10	58	288	A. 14	1	1		296 78	4 41	- 12	19 43					
S. 11	62	290	E. 4	1	0		95 78	4 52	- 17	19 42					
			F. 17	2	1		96 83	5 14	- 24	19 34					
			V. 9	4	0		95 82	5 31	- 45	20 0					
Relative Frequencies of Wind Components 1911-1914.			18. K.	17	3	1	304 281	4 53	12 5	19 16					
Observatory.	S/N	W/E	A. 17	2	0		296 77	4 43	- 12	19 40					
Orkney ...	28/75	36/58	E. 4	0	0		94 79	4 54	- 16	19 39					
Scilly ...	47/59	51/57	F. 18	1	1		96 83	5 16	- 24	19 32					
Holyhead	38/57	48/55	V. 15	1	1		97 82	5 33	- 45	19 58					
Yarmouth	25/72	52/42													
			19. K.	20	3	0	301 279	4 54	12 4	19 14					
			A. 13	6	0		295 74	4 45	- 12	19 38					
			E. 4	0	0		92 79	4 56	- 16	19 36					
			F. 16	2	1		97 83	5 17	- 24	19 30					
			V. 9	4	1		97 81	5 34	- 44	19 56					

13TH AUGUST TO 19TH AUGUST, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ Full Moon 12h. 0m. ☉ N 14.7°.	*226. SUNDAY, 13th AUGUST. W.W.R. stations. Post Day.
Sir G. G. Stokes b. 1819 [d. 2 Feb., 1903].	
☉ N 14.4°. M 0h. 29m.	227. MONDAY, 14th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 14.1°. M 1h. 21m. Assumption.	*228. TUESDAY, 15th.
☉ N 13.8°. M 5h. 10m. 1887. Beginning of two days' thunderstorm over the metropolis.—(S.M.)	229. WEDNESDAY, 16th. M.O.—Half-yearly issue of cards to Sunshine stations.
☉ N 13.5°. M 2h. 58m.	*230. THURSDAY, 17th. Obs.—Met. work despatch day.
☉ N 13.1°. M 3h. 46m.	231. FRIDAY, 18th. H.D.I.
☉ N 12.8°. M 4h. 36m.	*232. SATURDAY, 19th. Obs.—Close Journal, 41.

TWELFTH WEEK OF SUMMER.				YEAR XXXIX.				WEEK No. 34.							
Normals, 1881-1910, for Districts.				Notes at Observatories.†											
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Temperature Extremes, 1871-1915.		Sun.					
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.			Rises.	Noon.	Sets.			
Dist. N.	Sun. hrs.	Rain. in. mm.		Aug. 20. K.	18	3	0	°A.			G.M.T.				
E.	0	3·8	0·87	22	A.	15	7	0	302	282	h. m.	h. m.	h. m.		
	1	4·7	0·70	18	E.	2	1	0	296	77	4 56	12 4	19 12		
	2	4·9	0·66	17	F.	16	4	2	94	76	4 47	- 12	19 36		
	3	5·7	0·57	14	V.	10	5	0	95	83	4 58	- 16	19 34		
	4	5·3	0·65	16					98	82	5 18	- 23	19 28		
	5	6·3	0·61	16							5 36	- 44	19 53		
W.	6	4·8	1·04	26	21. K.	18	2	0	300	280	4 58	12 4	19 10		
	7	4·9	0·94	24	A.	14	3	1	294	79	4 49	- 11	19 33		
	8	5·9	0·84	21	E.	4	1	0	91	79	5 0	- 16	19 32		
	9	4·1	0·91	23	F.	15	0	1	96	83	5 20	- 23	19 26		
	10	4·9	1·02	26	V.	9	5	0	300	82	5 38	- 44	19 51		
S.	11	7·2	0·64	16											
Dist. N.	Mean Temperature.			22. K.	16	0	1	°F.	°A.						
E.	0	*54	*285	A. <td>14</td> <td>2</td> <td>0</td> <td>295</td> <td>79</td> <td>5 0</td> <td>12 4</td> <td>19 8</td> <td></td>	14	2	0	295	79	5 0	12 4	19 8			
	1	*56	*286	E. <td>2</td> <td>0</td> <td>1</td> <td>91</td> <td>79</td> <td>4 51</td> <td>- 11</td> <td>19 30</td> <td></td>	2	0	1	91	79	4 51	- 11	19 30			
	2	58	287	F. <td>14</td> <td>1</td> <td>1</td> <td>94</td> <td>82</td> <td>5 1</td> <td>- 15</td> <td>19 29</td> <td></td>	14	1	1	94	82	5 1	- 15	19 29			
	3	60	288	V. <td>9</td> <td>9</td> <td>0</td> <td>97</td> <td>80</td> <td>5 22</td> <td>- 23</td> <td>19 24</td> <td></td>	9	9	0	97	80	5 22	- 23	19 24			
	4	58	288							5 40	- 44	19 49			
	5	60	289	23. K.	19	3	0	300	280	5 1	12 3	19 5			
W.	6	*56	*286	A.	18	1	0	297	77	4 54	- 11	19 28			
	7	58	288	E.	2	1	0	92	76	5 3	- 15	19 26			
	8	59	288	F.	14	1	0	95	83	5 23	- 23	19 22			
	9	57	287	V.	7	4	0	97	81	5 41	- 43	19 46			
	10	58	288	24. K.	16	1	0	303	279	5 3	12 3	19 3			
S.	11	62	289	A.	17	6	0	294	78	4 56	- 11	19 25			
				E.	0	1	0	90	79	5 5	- 15	19 24			
				F.	17	0	0	95	82	5 24	- 22	19 20			
				V.	11	3	0	95	79	5 43	- 43	19 44			
Relative Frequencies of Wind Components 1911-1914.				25. K.	12	2	1	303	279	5 5	12 3	19 1			
Observatory.	S/N	W/E		A.	12	3	0	294	75	4 58	- 10	19 22			
Orkney ...	67/37	55/48		E.	3	1	0	92	81	5 7	- 15	19 22			
Scilly ...	44/58	86/24		F.	16	2	0	96	82	5 26	- 22	19 18			
Holyhead	75/32	78/28		V.	10	6	0	96	81	5 44	- 43	19 43			
Yarmouth	69/31	64/34													
Dist. N.	Sun. hrs.	Rain. in. mm.		26. K.	17	2	1	300	280	5 7	12 2	18 59			
E.	0	3·8	0·87	A.	13	7	0	294	77	5 0	- 10	19 20			
	1	4·7	0·70	E.	3	1	0	93	78	5 9	- 14	19 19			
	2	4·9	0·66	F.	15	2	0	95	83	5 27	- 22	19 16			
	3	5·7	0·57	V.	10	8	0	95	81	5 45	- 42	19 40			

20TH AUGUST TO 26TH AUGUST, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	
\odot N 12·5°. M 5h. 26m. \odot Last quarter 12h. 53m.	233. SUNDAY, 20th AUGUST. W.W.R. stations. Post Day.
\odot N 12·1°. M 6h. 16m.	*234. MONDAY, 21st. Anemo. stations. Post Day. Baro. stations. Post Day.
\odot N 11·8°. M 7h. 8m.	235. TUESDAY, 22nd.
\odot N 11·5°. M 7h. 58m. 1853. First meeting of Maritime Conference at Brussels.	*236. WEDNESDAY, 23rd.
\odot N 11·1°. M 8h. 48m. St. Bartholomew. 79. Eruption of Vesuvius.	237. THURSDAY, 24th. Obs.—Met. work despatch day.
\odot N 10·8°. M 9h. 36m. 1905. Great rainfall in east Ireland.	*238. FRIDAY, 25th.
\odot N 10·5°. M 10h. 21m. 1883. Krakatoa eruption. 1912. Flood rainfall in East Anglia. More than 8 in. (203 mm.) rain near Norwich. (Q.J. Vol. XXXIX.)	239. SATURDAY, 26th. Obs.—Close Journal, 42.

THIRTEENTH WEEK OF SUMMER.				YEAR XXXIX.						WEEK No. 35.					
Normals, 1881-1910, for Districts.				Notes at Observatories.†											
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.						
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets				
Dist. N.	Sun. hrs.	Rain. in. mm.		Aug. 27. K.				°A.		G.M.T.					
E.	0	3.3	1.33 34	A.	21	4	0	299 280	5 8	12 2	18 57				
	1	4.3	0.87 22	A.	17	3	0	93 79	5 2	- 10	19 17				
	2	4.8	0.59 15	E.	4	0	0	94 75	5 11	- 14	19 16				
	3	5.6	0.50 13	F.	15	2	1	96 83	5 29	- 22	19 14				
	4	4.8	0.68 17	V.	10	6	0	94 78	5 47	- 42	19 38				
	5	5.8	0.70 18												
W.	6	4.2	1.32 34	28. K.	20	2	0	299 279	5 9	12 2	18 55				
	7	4.3	0.96 24	A.	14	5	0	94 77	5 4	- 9	19 14				
	8	5.3	1.00 25	E.	1	1	0	94 75	5 13	- 14	19 14				
	9	3.6	1.00 25	F.	15	0	0	94 82	5 30	- 21	19 11				
	10	4.2	0.85 22	V.	9	4	0	95 77	5 49	- 42	19 36				
S.	11	6.4	0.64 16	29. K.	17	1	0	300 279	5 11	12 2	18 52				
				A.	16	2	1	295 76	5 6	- 9	19 12				
				E.	1	0	0	95 82	5 14	- 13	19 11				
				F.	17	0	1	95 81	5 32	- 21	19 10				
				V.	9	4	0	95 81	5 50	- 42	19 34				
Dist. N.	Mean Temperature.			30. K.											
E.	0	*53	*285	A.	15	3	1	302 278	5 13	12 1	18 49				
	1	*54	*285	A.	10	4	1	296 76	5 8	- 9	19 9				
	2	57	287	E.	5	0	0	91 76	5 17	- 13	19 9				
	3	58	288	F.	17	2	0	95 80	5 34	- 21	19 8				
	4	57	287	V.	10	4	0	95 80	5 52	- 41	19 31				
	5	60	288												
W.	6	*55	*286	31. K.	16	4	1	306 278	5 15	12 1	18 47				
	7	56	286	A.	12	6	0	299 74	5 10	- 8	19 6				
	8	58	287	E.	2	7	0	92 74	5 19	- 13	19 7				
	9	56	286	F.	15	5	0	95 81	5 34	- 20	19 5				
	10	57	287	V.	12	5	0	93 79	5 54	- 41	19 28				
S.	11	61	289												
Relative Frequencies of Wind Components 1911-1914.				Sept.											
Observatory.	S/N	W/E	1. K.	16	3	0	306 276	5 17	12 1	18 45					
			A.	10	5	0	300 74	5 12	- 8	19 4					
			E.	2	2	0	290 79	5 20	- 13	19 4					
			F.	11	3	0	95 81	5 36	- 20	19 3					
			V.	10	3	1	98 81	5 56	- 41	19 26					
Orkney ...	52/47	58/33													
Scilly ...	41/61	68/41	2. K.	18	4	0	306 277	5 18	12 0	18 43					
			A.	14	3	0	297 75	5 14	- 8	19 1					
Holyhead	52/55	77/29	E.	4	0	1	92 76	5 22	- 12	19 1					
			F.	15	4	1	97 81	5 37	- 20	19 1					
Yarmouth	49/52	57/43	V.	12	8	0	93 78	5 57	- 40	19 24					

27TH AUGUST TO 2ND SEPTEMBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 10.1°. M 11h. 5m. 1883. Krakatoa eruption.	*240. SUNDAY, 27th AUGUST. W.W.R. stations. Post Day.
☉ N 9.8°. M 11h. 47m. ● New Moon 17h. 25m. 1859. Magnetic Storm.	241. MONDAY, 28th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 9.4°. M 12h. 29m.	*242. TUESDAY, 29th.
☉ N 9.0°. M 13h. 11m. 55 B.C. Violent gale. Great damage to Julius Caesar's Fleet. (Date calculated by Halley.)—(LOWE.)	243. WEDNESDAY, 30th.
☉ N 8.7°. M 13h. 54m. 1848. Publication in the "Daily News" of the earliest known telegraphic Daily Weather Report. (Q.J.)	*244. THURSDAY, 31st. Balloon day. M.O. Geophysical Journal. June Copy day. Obs.—Close Journal, 43. Met. work despatch day. Sunshine stations. Equinoctial Cards (straight) to be used from Sept. 1st and until 12th October.
☉ N 8.3°. M 14h. 40m.	245. FRIDAY, 1st SEPTEMBER.
☉ N 8.0°. M 15h. 29m. 1859. Magnetic Storm.	*246. SATURDAY, 2nd. Obs.—Close Journal, 44.

FIRST WEEK OF AUTUMN.				YEAR XXXIX.				WEEK No. 36.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.		Sept.				°A.	G.M.T.		
0	3.9	0.92 23		3. K.	22	1	1	302 279	h. m.	h. m.	h. m.
E.				A.	20	3	0	299 75	5 19	12 0	18 41
1	4.7	0.44 11		E.	4	1	0	93 74	5 16	- 8	18 58
2	4.9	0.45 11		F.	18	2	0	95 79	5 24	- 12	18 59
3	5.2	0.51 13		V.	14	6	0	95 80	5 39	- 19	18 58
4	4.7	0.51 13							5 58	- 40	19 22
5	5.6	0.62 16									
W.				4. K.	20	4	1	302 279	5 21	12 0	18 39
6	5.0	0.86 22		A.	16	2	0	296 74	5 18	- 7	18 56
7	4.8	0.65 16		E.	4	1	0	90 71	5 26	- 12	18 56
8	5.2	0.65 16		F.	17	2	0	94 80	5 41	- 19	18 56
9	4.3	0.74 19		V.	13	7	0	96 79	6 0	- 40	19 19
10	4.9	0.70 18									
S.				5. K.	20	5	0	302 277	5 22	11 59	18 36
11	6.2	0.56 14		A.	16	2	0	298 76	5 20	12 7	18 53
				E.	4	0	1	90 72	5 28	- 11	18 54
				F.	18	4	0	96 80	5 43	- 19	18 54
				V.	14	8	0	97 78	6 1	- 39	19 17
Dist. N.	Mean Temperature. °F.	°A.									
0	*53	*285									
E.											
1	*54	*285									
2	56	286		6. K.	20	5	1	301 278	5 24	11 59	18 34
3	57	287		A.	19	2	0	296 77	5 23	12 7	18 51
4	56	287		E.	4	0	0	92 76	5 30	- 11	18 52
5	59	288		F.	15	3	0	95 81	5 44	- 18	18 52
W.				V.	15	5	0	95 78	6 3	- 39	19 15
6	*55	*286									
7	56	286									
8	57	287									
9	55	286		7. K.	23	0	1	304 280	5 26	11 59	18 32
10	56	286		A.	16	2	1	296 76	5 24	12 6	18 48
S.				E.	3	2	0	94 76	5 32	- 11	18 49
11	60	289		F.	20	1	1	95 82	5 46	- 18	18 50
				V.	10	6	0	93 78	6 5	- 39	19 13
Relative Frequencies of Wind Components 1911-1914.											
				8. K.	22	3	1	304 278	5 27	11 58	18 29
				A.	14	3	1	296 76	5 27	12 6	18 45
				E.	1	2	0	94 73	5 33	- 10	18 46
				F.	12	5	0	96 81	5 48	- 18	18 48
				V.	15	6	0	96 81	6 6	- 38	19 10
Observatory.	S/N	W/E									
Orkney ...	53/47	61/40									
Scilly ...	40/62	33/76		9. K.	20	1	0	300 277	5 29	11 58	18 27
				A.	13	1	0	293 75	5 29	12 6	18 42
Holyhead	31/63	53/54		E.	4	1	0	94 74	5 36	- 10	18 44
				F.	21	1	0	94 80	5 48	- 17	18 45
Yarmouth	36/68	41/66		V.	15	1	0	96 78	6 8	- 38	19 8

3RD SEPTEMBER TO 9TH SEPTEMBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
<p>☉ N 7.6°. M 16h. 22m. 1860. First Telegraphic Daily Weather Report prepared at the Meteorological Department.</p>	<p>247. SUNDAY, 3rd SEPTEMBER. W.W.R. stations. Post Day.</p>
<p>☉ N 7.2°. M 17h. 19m.</p>	<p>*248. MONDAY, 4th. Anemo. stations. Post Day. Baro. stations. Post Day. Climatological stations. Schedule day.</p>
<p>☉ N 6.9°. M 18h. 19m. First quarter 4h. 27m. 1862. Mr. Glaisher and Mr. Coxwell ascended in a balloon from Wolverhampton to an altitude estimated at 7 miles above the earth.</p>	<p>249. TUESDAY, 5th. Obs.—Send curves and tabulations to complete month.</p>
<p>☉ N 6.5°. M 19h. 20m. Hurricane devastated Guadeloupe. Barometer fell 57 mb. in 70 m. (Buchan, p. 266). 1766. John Dalton b., [d. 27 July 1844]</p>	<p>*250. WEDNESDAY, 6th.</p>
<p>☉ N 6.1°. M 20h. 21m.</p>	<p>251. THURSDAY, 7th. Obs.—Met. work despatch day.</p>
<p>☉ N 5.7°. M 21h. 20m. 1692. Earthquake in London and Home Counties (Burton's General History of Earthquakes).</p>	<p>*252. FRIDAY, 8th. H.D.I.</p>
<p>☉ N 5.4°. M 22h. 15m.</p>	<p>253. SATURDAY, 9th. Obs.—Close Journal, 45.</p>

SECOND WEEK OF AUTUMN.				YEAR XXXIX.				WEEK No. 37.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Temperature Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.	Sept.				°A.		h. m.	h. m.	h. m.
E. 0	3.9	0.84	10. K.	21	4	1	299 279		5 31	11 58	18 25
			A.	21	3	2	96 76		5 31	12 5	18 39
	4.3	0.45	E.	2	0	1	95 75		5 38	- 10	18 42
2	5.0	0.27	F.	18	4	0	93 80		5 50	- 17	18 43
3	5.5	0.36	V.	13	4	0	94 78		6 10	- 38	19 6
4	4.8	0.32									
5	5.8	0.35									
W. 6	4.7	0.66	11. K.	22	4	0	301 279		5 32	11 57	18 22
			A.	16	3	0	293 77		5 33	12 5	18 36
7	4.8	0.47	E.	1	0	0	92 75		5 39	- 9	18 39
8	5.4	0.48	F.	18	1	0	95 81		5 52	- 17	18 41
9	4.0	0.54	V.	17	4	1	95 79		6 11	- 37	19 4
10	4.7	0.49									
S. 11	6.8	0.39	12. K.	23	4	1	302 278		5 34	11 57	18 20.
			A.	16	6	0	298 74		5 35	12 4	18 33
			E.	2	2	0	92 76		5 41	- 9	18 36
			F.	18	4	0	94 80		5 53	- 16	18 38
			V.	13	1	0	94 78		6 13	- 37	19 1
			13. K.	22	3	0	299 276		5 36	11 57	18 18
			A.	12	9	1	92 77		5 37	12 4	18 31
			E.	2	1	0	89 75		5 43	- 9	18 34
			F.	24	1	1	93 80		5 55	- 16	18 37
5	58	287	V.	15	4	0	95 78		6 15	- 37	18 59
W. 6											
7											
8											
9											
10											
S. 11											

10TH SEPTEMBER TO 16TH SEPTEMBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing [in Local Mean Time, M.	
☉ N 5.0°. M 23h. 7m. 1903. Beginning of two days' Circular Storm: wind velocity 28.6 m/s (64 ml/hr). Scilly.	*254. SUNDAY, 10th SEPTEMBER. W.W.R. stations. Post Day.
☉ N 4.6°. M 23h. 57m. ☉ Full Moon 20h. 31m. 1903. End of two days' Circular Storm. M.O. 174.	255. MONDAY, 11th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 4.2°.	*256. TUESDAY, 12th.
☉ N 3.8°. M 0h. 46m.	257. WEDNESDAY, 13th. M.O.—Quarterly issue of forms.
☉ N 3.5°. M 1h. 35m. Alexander von Humboldt b. 1769, [d. 6 May, 1859]. 1752. "New Style" introduced in England. 14th followed 2nd September.	*258. THURSDAY, 14th. Obs.—Met. work despatch day.
☉ N 3.1°. M 2h. 25m. 1784. First balloon ascent made in England (Artillery Ground, Moorfields) by Lunardi.	259. FRIDAY, 15th.
☉ N 2.7°. M 3h. 16m. 1863. First Daily Weather Map for Europe issued by Leverrier.	*260. SATURDAY, 16th. Obs.—Close Journal, 46.

THIRD WEEK OF AUTUMN.				YEAR XXXIX.				WEEK No. 38.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets
Dist.	Sun. hrs.	Rain. in. mm.		Sept.				°A.	G.M.T.		
N.	0	3.3 0.99 25		17. K.	26	6	1	303 275	h. m.	h. m.	h. m.
E.	1	3.9 0.50 13		A.	15	8	1	293 74	5 41	11 55	18 9
	2	4.2 0.37 9		E.	2	0	0	91 75	5 45	12 3	18 20
	3	4.9 0.34 9		F.	23	5	1	95 80	5 51	- 7	18 23
	4	4.1 0.41 10		V.	16	8	0	94 78	6 1	- 15	18 28
	5	5.2 0.40 10							6 20	- 35	18 50
W.	6	3.9 0.86 22		18. K.	11	1	2	299 274	5 43	11 55	18 7
	7	4.2 0.61 16		A.	17	5	0	94 75	5 47	12 2	18 17
	8	4.8 0.58 15		E.	3	1	0	89 75	5 53	- 7	18 21
	9	3.7 0.61 16		F.	20	0	2	94 79	6 2	- 14	18 26
	10	4.4 0.63 16		V.	17	8	0	96 78	6 22	- 35	18 48
S.	11	6.4 0.46 12									
Dist.	Mean Temperature.			19. K.	9	7	1	298 276	5 45	11 54	18 4
N.	0	*51. *284		A.	21	9	0	93 75	5 49	12 2	18 14
E.	1	*52 *284		E.	2	1	0	89 75	5 54	- 6	18 18
	2	54 285		F.	16	1	1	92 81	6 4	- 14	18 24
	3	56 286		V.	18	1	0	96 81	6 24	- 34	18 45
	4	54 286									
	5	57 287		20. K.	21	1	1	297 278	5 47	11 54	18 1
W.	6	*53 *285		A.	23	6	0	93 76	5 51	12 2	18 12
	7	55 286		E.	4	2	0	89 74	5 56	- 6	18 16
	8	56 286		F.	18	2	1	92 81	6 5	- 13	18 21
	9	54 285		V.	11	6	1	93 80	6 27	- 34	18 42
	10	55 286									
S.	11	59 288		21. K.	20	2	0	295 276	5 48	11 54	17 59
				A.	20	8	1	90 73	5 53	12 1	18 9
				E.	5	0	0	90 72	5 58	- 6	18 13
				F.	17	3	0	92 80	6 7	- 13	18 19
				V.	15	3	1	92 77	6 28	- 34	18 40
Relative Frequencies of Wind Components 1911-1914.				22. K.	26	5	1	296 275	5 49	11 53	17 57
Observatory.	S/N	W/E	A.	21	7	1	91 72	5 55	12 1	18 6	
			E.	3	0	0	90 70	6 0	- 5	18 10	
			F.	22	6	1	93 78	6 9	- 13	18 17	
			V.	14	8	1	91 78	6 29	- 33	18 37	
Orkney ...	57/54	56/37									
Scilly ...	42/54	49/55	23. K.	21	5	2	297 275	5 51	11 53	17 55	
			A.	12	9	0	92 75	5 58	12 1	18 4	
Holyhead	40/58	62/41	E.	1	4	0	88 75	6 2	- 5	18 7	
			F.	17	3	0	92 80	6 9	- 12	18 14	
Yarmouth	37/61	51/50	V.	12	10	0	93 79	6 31	- 33	18 35	

Relative Frequencies of
Wind Components
1911-1914.

Observatory. S/N W/E

Orkney ... 57/54 56/37

Scilly ... 42/54 49/55

Holyhead 40/58 62/41

Yarmouth 37/61 51/50

17TH SEPTEMBER TO 23RD SEPTEMBER, 1916.

Astronomical and Historical Notes.

Diary.

Sun's declination, ☉, and hour of Moon's Southing
in Local Mean Time, M.

☉ N 2.3°. M 4h. 8m.

261
SUNDAY, 17th SEPTEMBER.
W.W.R. stations. Post
Day.

☉ N 1.9°. M 5h. 0m.

*262.
MONDAY, 18th.
Anemo. stations. Post
Day.
Baro. stations Post day.

☉ N 1.5°. M 5h. 51m.
☾ Last quarter 5h. 35m.

263.
TUESDAY, 19th.

☉ N 1.1°. M 6h. 42m.

*264.
WEDNESDAY, 20th.

☉ N 0.7°. M 7h. 30m.
St. Matthew.

265.
THURSDAY, 21st.
Obs.—Met. work despatch
day.

☉ N 0.4°. M 8h. 16m.
1885. Bar. 27.135 in. (917 mb.), at False Point,
Orissa [reduced to sea level and temp. 32° F.].
—(Q.J.)

*266.
FRIDAY, 22nd.
H.D.I.

☉ S 0.1°. M 9h. 0m.
Autumnal equinox,
James Horsburgh b. 1762, [d. 14 May, 1836].

267.
SATURDAY, 23rd.
Obs.—Close Journal, 47.

FOURTH WEEK OF AUTUMN.				YEAR XXXIX.				WEEK No. 39.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Temperature Extremes, 1871-1915.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.		Sept. 24. K.	19	3	2	°A. 300 276	G.M.T.		
E.	0	2.9 1.06 27		A.	15	10	1	292 74	h. m. 5 53	h. m. 11 53	h. m. 17 53
	1	3.2 0.60 15		E.	3	1	0	93 76	5 59	12 0	18 1
	2	4.0 0.49 12		F.	13	4	0	92 80	6 4	- 5	18 5
	3	4.7 0.56 14		V.	4	2	1	92 77	6 11	- 12	18 12
	4	4.0 0.53 14							6 33	- 33	18 33
	5	4.7 0.61 16									
W.	6	3.3 1.09 28		25. K.	21	5	2	298 274	5 54	11 52	17 50
	7	3.7 0.79 20		A.	10	7	1	95 74	6 2	12 0	17 58
	8	4.2 0.90 23		E.	2	1	0	90 76	6 6	- 4	18 2
	9	3.3 0.90 23		F.	15	4	0	92 79	6 13	- 12	18 10
	10	3.9 0.73 18		V.	12	3	0	92 78	6 34	- 32	18 30
S.	11	5.0 0.82 21									
Dist. N.	Mean Temperature. °F. °A.			26. K.	18	6	3	299 275			
E.	0	*50 *283		A.	13	5	0	94 73	5 56	11 52	17 48
	1	*51 *283		E.	3	0	0	89 74	6 4	12 0	17 56
	2	53 285		F.	17	4	1	93 77	6 8	- 4	18 0
	3	54 285		V.	6	6	0	94 79	6 14	- 11	18 8
	4	53 285							6 36	- 32	18 28
	5	55 286									
W.	6	*52 *284		27. K.	18	3	2	299 274	5 57	11 52	17 46
	7	53 285		A.	16	9	2	94 74	6 5	- 59	17 53
	8	55 286		E.	3	0	0	93 74	6 10	12 4	17 57
	9	53 284		F.	13	4	0	94 75	6 16	- 11	18 6
	10	54 285		V.	9	6	0	91 78	6 37	- 32	18 26
S.	11	58 287									
Relative Frequencies of Wind Components 1911-1914.				28. K.	21	4	2	297 275			
				A.	13	5	1	92 72	5 59	11 51	17 43
				E.	4	0	0	94 70	6 8	- 59	17 50
				F.	12	7	0	94 79	6 12	12 3	17 55
				V.	12	9	0	97 80	6 18	- 11	18 4
									6 39	- 31	18 23
Observatory.	S/N	W/E		29. K.	16	6	3	296 274			
Orkney ...	84/20	56/48		A.	16	10	1	90 75	6 1	11 51	17 41
Scilly ...	66/36	33/76		E.	3	1	0	89 72	6 10	- 59	17 47
Holyhead	68/31	50/48		F.	13	5	2	94 77	6 14	12 3	17 52
Yarmouth	63/32	43/65		V.	12	3	0	94 78	6 19	- 10	18 1
									6 41	- 31	18 21
30. K.				17	3	1	297 275				
A.	12	7	2	94 73 <td colspan="6"></td>							
E.	3	1	0	88 70 <td colspan="6"></td>							
F.	12	4	0	92 79 <td colspan="6"></td>							
V.	13	3	0	92 75 <td colspan="6"></td>							
								6 3	11 51	17 39	
								6 12	- 58	17 44	
								6 16	12 3	17 50	
								6 20	- 10	17 59	
								6 43	- 31	18 19	

24TH SEPTEMBER TO 30TH SEPTEMBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 0.4°. M 9h. 43m.	*268. SUNDAY, 24th SEPTEMBER. W.W.R. stations. Post Day.
☉ S 0.8°. M 10h. 26m. 1909. Magnetic Storm. 1905. Barometer 27.171 in. (918 mb.), on board s.s. "Pathfinder" 12° 10' N., 125° 31' E.—(Q.J. 1909).	269. MONDAY, 25th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 1.2°. M 11h. 8m.	*270. TUESDAY, 26th.
☉ S 1.6°. M 11h. 57m. ● New Moon 7h. 34m.	271. WEDNESDAY, 27th.
☉ S 2.0°. M 12h. 37m.	*272. THURSDAY, 28th. Balloon Day. Obs.—Met. work despatch day.
☉ S 2.4°. M 13h. 26m. Michaelmas Day.	273. FRIDAY, 29th.
☉ S 2.8°. M 14h. 18m. 1867. First Thermograph record from Kew.	*274. SATURDAY, 30th. Observatories— Close Journal, 48. Elect. work, 2nd Quarter day. Calendar. Proof day. M.O.—Geophysical Journal, July Copy day.

FIFTH WEEK OF AUTUMN.				YEAR XXXIX.						WEEK No. 40.					
Normals, 1881-1910, for Districts.				Notes at Observatories.†											
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1914.		Sun.					
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.			Rises.	Noon.	Sets.			
Dist. N.	Sun. hrs.	Rain. in. mm.		Oct.				A.		G.M.T.					
0	2·8	1·41	36	1. K.	12	0	1	297	275	h. m.	h. m.	h. m.			
E.				A.	15	4	2	95	74	6 4	11 50	17 36			
1	3·4	0·71	18	E.	2	0	0	87	74	6 14	- 58	17 41			
2	3·8	0·61	16	F.	9	4	2	92	78	6 17	12 2	17 47			
3	3·8	0·48	12	V.	9	4	0	92	79	6 22	- 10	17 57			
4	3·4	0·58	15							6 44	- 30	18 16			
5	3·8	0·69	18												
W.				2. K.	11	10	1	298	275	6 5	11 50	17 34			
6	3·1	1·16	30	A.	13	2	1	95	74	6 16	- 58	17 39			
7	3·3	0·91	23	E.	2	0	0	87	73	6 19	12 2	17 44			
8	3·8	1·01	26	F.	11	5	1	91	77	6 23	- 9	17 55			
9	2·9	0·88	22	V.	11	3	0	91	77	6 45	- 30	18 14			
10	3·7	0·77	20												
S.				3. K.	21	1	2	297	271	6 8	11 50	17 32			
11	4·4	0·82	21	A.	13	5	0	96	74	6 18	- 57	17 36			
				E.	4	1	0	87	69	6 21	12 2	17 42			
				F.	14	2	2	91	78	6 25	- 9	17 53			
				V.	12	5	0	95	75	6 47	- 30	18 12			
Dist. N.	Mean Temperature. °F. °A.														
0	*49	*282		4. K.	14	3	2	298	274	6 10	11 50	17 30			
E.				A.	10	4	1	95	73	6 20	- 57	17 33			
1	*49	*283		E.	3	0	0	86	67	6 23	12 1	17 39			
2	51	284		F.	16	3	1	91	77	6 27	- 9	17 51			
3	52	284		V.	13	6	1	92	75	6 49	- 30	18 10			
4	51	284													
5	54	285		5. K.	11	9	2	297	272	6 11	11 49	17 27			
W.				A.	12	3	0	93	73	6 22	- 57	17 31			
6	*51	*283		E.	2	1	0	87	75	6 25	12 1	17 37			
7	52	284		F.	13	6	1	90	77	6 29	- 9	17 49			
8	53	285		V.	12	7	0	93	76	6 51	- 29	18 7			
9	51	284													
10	52	284		6. K.	17	9	3	294	272	6 13	11 49	17 25			
S.				A.	11	4	0	92	74	6 24	- 56	17 29			
11	56	286		E.	3	0	0	86	74	6 27	12 1	17 34			
				F.	14	3	1	91	78	6 30	- 8	17 46			
				V.	14	3	0	91	74	6 53	- 29	18 5			
Relative Frequencies of Wind Components 1911-1914.															
Observatory.	S/N	W/E		7. K.	17	5	2	292	272	6 15	11 49	17 23			
Orkney ...	40/58	57/39		A.	12	8	0	94	75	6 27	- 56	17 26			
Scilly ...	35/71	35/76		E.	2	1	0	86	74	6 29	12 1	17 32			
Holyhead	26/83	50/59		F.	12	6	0	91	79	6 31	- 8	17 44			
Yarmouth	26/67	53/37		V.	12	3	0	91	76	6 55	- 29	18 3			

1ST OCTOBER TO 7TH OCTOBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
<p>☉ S 3·2°. M 15h. 14m. 1904. Ben Nevis Observatory closed. 1866. Bahamas. Barometer fell 24 mb. in an hour. —(BUCHAN.)</p>	275. SUNDAY, 1st OCTOBER. W.W.R. stations. Post Day.
<p>☉ S 3·6°. M 16h. 13m.</p>	*276. MONDAY, 2nd. Anemo. stations. Post Day. Baro. stations. Post Day.
<p>☉ S 3·9°. M 17h. 14m.</p>	277. TUESDAY, 3rd.
<p>☉ S 4·3°. M 18h. 14m. ▷ First quarter 11h. 1m. 1696. At Bungay, Suffolk, rain began towards night and continued without intermission (except a few hours on the 6th) till the 10th at noon.—(LOWE.)</p>	*278. WEDNESDAY, 4th. Climatological stations. Schedule day.
<p>☉ S 4·7°. M 19h. 11m. 1091. S.W. gale over most of England. In London 500 houses were destroyed.—(LOWE.)</p>	279. THURSDAY, 5th. Obs.—Send curves and tabulations to complete month. Obs.—Met. work despatch day.
<p>☉ S 5·1°. M 20h. 6m. Heinrich Wilhelm Dove b. 1803, [d. 4 Apr. 1879]. 1863. Hereford earthquake. (Q.J.)</p>	*280. FRIDAY, 6th. H.D.I.
<p>☉ S 5·5°. M 20h. 57m.</p>	281. SATURDAY, 7th. Obs.—Close Journal, 49.

SIXTH WEEK OF AUTUMN.				YEAR XXXIX.				WEEK No. 41.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1914.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.		Oct.				°A.	G.M.T.		
0	2.4	1.24	32	8. K.	18	6	3	294 271	h. m.	h. m.	h. m.
E.				A.	9	7	0	95 73	6 16	11 48	17 20
1	2.9	0.87	22	E.	3	1	1	87 72	6 29	- 56	17 23
2	3.3	0.77	20	F.	13	6	0	91 79	6 31	12 0	17 29
3	3.7	0.67	17	V.	14	4	0	90 75	6 33	- 8	17 42
4	3.2	0.77	20						6 56	- 28	18 0
5	3.8	0.80	20								
W.				9. K.	16	6	1	294 273	6 18	11 48	17 18
6	2.8	1.18	30	A.	12	6	0	91 74	6 31	- 56	17 20
7	2.9	0.97	25	E.	3	0	1	87 74	6 33	12 0	17 27
8	3.3	1.15	29	F.	17	5	1	90 79	6 35	- 7	17 40
9	2.8	0.94	24	V.	9	4	0	89 78	6 58	- 28	17 58
10	3.3	0.98	25								
S.				10. K.	13	8	1	291 273	6 20	11 48	17 16
11	4.2	0.97	25	A.	15	6	2	93 73	6 33	- 55	17 17
				E.	4	0	1	88 72	6 35	12 0	17 24
				F.	14	2	2	90 78	6 36	- 7	17 38
				V.	9	5	0	89 76	7 0	- 28	17 55
				11. K.	15	8	2	294 274	6 22	11 48	17 14
				A.	13	7	1	88 74	6 35	- 55	17 14
				E.	2	3	0	85 70	6 37	- 59	17 21
				F.	13	5	0	91 75	6 38	12 7	17 36
				V.	11	6	0	90 75	7 2	- 28	17 53
				12. K.	12	3	4	292 272	6 23	11 47	17 11
				A.	11	6	1	92 72	6 38	- 55	17 12
				E.	1	2	0	86 72	6 39	- 59	17 19
				F.	11	4	0	90 75	6 39	12 7	17 34
				V.	9	7	0	90 78	7 4	- 27	17 50
				13. K.	11	5	4	292 271	6 25	11 47	17 9
				A.	11	8	1	88 73	6 40	- 55	17 9
				E.	1	3	0	86 73	6 41	- 59	17 16
				F.	13	6	0	90 76	6 40	12 6	17 32
				V.	10	9	0	90 77	7 6	- 27	17 48
				14. K.	15	8	3	291 272	6 27	11 47	17 7
				A.	14	5	1	89 74	6 42	- 54	17 6
				E.	2	1	0	86 76	6 43	- 59	17 14
				F.	11	7	0	90 77	6 42	12 6	17 30
				V.	10	7	0	89 76	7 8	- 27	17 46
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E									
Orkney ...	69/36	46/50									
Scilly ...	73/30	13/82									
Holyhead	69/36	33/51									
Yarmouth	56/33	39/54									

Relative Frequencies of
Wind Components
1911-1914.

Observatory.	S/N	W/E
Orkney ...	69/36	46/50
Scilly ...	73/30	13/82
Holyhead	69/36	33/51
Yarmouth	56/33	39/54

8TH OCTOBER TO 14TH OCTOBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 5.9°. M 21h. 47m.	*282. SUNDAY, 8th OCTOBER. W.W.R. stations. Post Day.
☉ S 16.9°. M 22h. 36m.	283. MONDAY, 9th. Anemo stations. Post Day. Baro. stations. Post Day.
☉ S 6.6°. M 23h. 24m. Henry Cavendish b. 1731, [d. 10th March, 1810]. Buys Ballot b. 1817, [d. 3rd Feb., 1890].	*284. TUESDAY, 10th.
☉ S 7.0°. M 7h. 1m.	285. WEDNESDAY, 11th.
☉ S 7.4°. M 0h. 14m.	*286. THURSDAY, 12th. Obs.—Met. work despatch day. Sunshine stations. Winter cards to be used from 13th Oct. and until 28th Feb., 1917.
☉ S 7.8°. M 1h. 4m. 1881. Two days' gale over British Isles began.	287. FRIDAY, 13th.
☉ S 8.1°. M 1h. 56m. Sir Edward Sabine b. 1788, [d. 26th June, 1883]. 1881. Gale ended. Greatest hourly wind velocity 23.3 m/s (52 ml/hr), Holyhead.	*288. SATURDAY, 14th. Obs.—Close Journal, 50.

SEVENTH WEEK OF AUTUMN.				YEAR XXXIX.				WEEK No. 42.				
Normals, 1881-1910, for Districts.				Notes at Observatories.†								
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes 1871-1914.	Sun.			
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets	
Dist.	Sun.	Rain.		Oct.	K.				°A.	G.M.T.		
N.	hrs.	in.	mm.							h. m.	h. m.	h. m.
0	2.5	0.99	25	15.	13	9	3	294 272	6 28	11 47	17 5	
E.					A.	11	9	1	89 73	6 44	- 54 17 3	
1	2.7	0.76	19		E.	2	0	0	86 75	6 45	- 59 17 12	
2	3.0	0.79	20		F.	7	6	0	91 75	6 44	12 6 17 28	
3	3.3	0.64	16		V.	10	3	0	90 76	7 9	- 27 17 44	
4	3.0	0.69	18									
5	3.4	0.77	20									
W.				16.	K.	15	9	2	292 272	6 29	11 46 17 3	
6	2.6	0.98	25		A.	10	8	1	89 73	6 46	- 54 17 1	
7	2.7	0.91	23		E.	1	3	0	85 76	6 47	- 58 17 9	
8	3.3	1.04	26		F.	11	10	0	90 76	6 46	12 6 17 26	
9	3.2	0.78	20		V.	9	5	0	90 76	7 10	- 26 17 42	
10	3.3	0.89	23									
S.				17.	K.	18	5	1	294 269	6 31	11 46 17 1	
11	4.1	0.97	25		A.	14	11	0	90 73	6 49	- 54 16 59	
					E.	3	2	0	86 75	6 49	- 58 17 7	
					F.	13	4	0	89 76	6 48	12 6 17 24	
					V.	8	7	0	89 74	7 12	- 26 17 40	
				18.	K.	15	5	2	292 271	6 32	11 46 17 0	
					A.	18	11	0	89 73	6 51	- 54 16 56	
					E.	2	2	0	87 73	6 51	- 58 17 4	
					F.	14	7	1	89 76	6 49	12 5 17 21	
					V.	11	9	0	90 73	7 13	- 26 17 38	
				19.	K.	18	12	1	292 272	6 34	11 46 16 58	
					A.	10	9	0	91 72	6 53	- 53 16 53	
					E.	1	2	1	89 71	6 53	- 58 17 2	
					F.	13	2	1	90 76	6 51	12 5 17 19	
					V.	12	4	0	90 72	7 15	- 26 17 36	
				20.	K.	13	8	1	291 273	6 36	11 46 16 56	
					A.	9	10	0	89 71	6 55	- 53 16 51	
					E.	0	1	0	86 73	6 55	- 58 17 0	
					F.	8	7	0	89 75	6 52	12 5 17 17	
					V.	11	5	0	90 75	7 17	- 26 17 34	
				21.	K.	15	9	0	292 272	6 38	11 46 16 53	
					A.	11	7	2	89 71	6 57	- 53 16 48	
					E.	3	2	0	86 72	6 57	- 57 16 57	
					F.	9	2	0	90 76	6 54	12 5 17 15	
					V.	12	1	0	89 75	7 19	- 26 17 32	
Relative Frequencies of Wind Components 1911-1914.												
Observatory.	S/N	W/E										
Orkney ...	98/12	51/49										
Scilly ...	60/38	40/67										
Holyhead	60/36	50/54										
Yarmouth	52/51	49/58										

15TH OCTOBER TO 21ST OCTOBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 8.5°. M 2h. 49m. 1582. New Style introduced in Rome, Spain, Portugal, and part of Italy by Pope Gregory XIII. when the 15th October followed the 5th.	289. SUNDAY, 15th OCTOBER. W.W.R. stations. Post Day.
☉ S 8.9°. M 3h. 42m. 1906. Daily telegraphic reports first received at the Office from Iceland and the Faroe Is.	*290. MONDAY, 16th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 9.2°. M 4h. 33m. 1883. Ben Nevis Observatory opened.	291. TUESDAY, 17th.
☉ S 9.6°. M 5h. 23m. St. Luke.	*292. WEDNESDAY, 18th.
☉ S 10.0°. M 6h. 10m. (Last quarter 1h. 9m.	293. THURSDAY, 19th. Obs.—Met. work despatch day.
☉ S 10.3°. M 6h. 54m.	*294. FRIDAY, 20th. H.D.I.
☉ S 10.7°. M 7h. 38m.	295. SATURDAY, 21st. Obs.—Close Journal, 51.

EIGHTH WEEK OF AUTUMN.				YEAR XXXIX.				WEEK No. 43.				
Normals, 1881-1910, for Districts.				Notes at Observatories.†								
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1914.	Sun.			
					Rainless in 35 Yrs.	¶Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets	
Dist. N.	Sun. hrs.	Rain. ins. mm.						°A.		G.M.T. h. m.		
0	2.6	1.11 28	Oct. 22. K.	14	8	1		292 270		6 40	11 45	16 50
E.			A.	13	2	1		89 72		7 0	- 53	16 46
1	2.6	0.66 17	E.	2	1	0		84 73		6 59	- 57	16 54
2	2.6	0.65 16	F.	12	6	0		89 76		6 56	12 5	17 13
3	2.9	0.60 15	V.	14	6	0		89 75		7 21	- 25	17 30
4	2.4	0.65 16										
5	3.1	0.79 20	23. K.	17	8	2		290 271		6 42	11 45	16 48
W.			A.	13	8	0		88 71		7 2	- 53	16 44
6	2.5	1.04 26	E.	2	0	0		85 66		7 1	- 57	16 52
7	2.6	0.83 21	F.	13	6	0		89 74		6 58	12 5	17 11
8	2.8	1.02 26	V.	10	7	0		88 74		7 23	- 25	17 28
9	2.8	0.82 21										
10	2.9	0.89 23										
S.												
11	3.5	0.98 25	24. K.	16	4	4		290 271		6 43	11 45	16 46
			A.	9	7	0		87 72		7 4	- 53	16 41
			E.	1	2	0		85 66		7 4	- 57	16 50
			F.	12	4	0		88 73		6 59	12 4	17 9
			V.	12	5	0		88 73		7 24	- 25	17 26
Dist. N.	Mean Temperature. °F.	°A.										
0	*45	*280	25. K.	14	8	3		289 272		6 45	11 45	16 45
E.			A.	9	5	0		87 72		7 6	- 52	16 38
1	*45	*280	E.	3	1	0		84 73		7 6	- 57	16 48
2	47	281	F.	8	6	0		88 74		7 0	12 4	17 7
3	47	281	V.	10	5	0		89 74		7 26	- 25	17 24
4	46	281										
5	48	282										
W.												
6	*46	*281	26. K.	11	9	6		289 269		6 47	11 45	16 43
7	47	281	A.	9	7	0		89 71		7 8	- 52	16 35
8	49	282	E.	0	3	0		85 72		7 8	- 57	16 46
9	46	281	F.	8	6	0		89 74		7 2	12 4	17 5
10	48	282	V.	8	9	0		89 74		7 28	- 25	17 22
S.												
11	52	284										
Relative Frequencies of Wind Components 1911-1914.												
Observatory.	S/N	W/E										
Orkney ...	70/35	40/71	27. K.	16	14	3		292 271		6 49	11 45	16 41
			A.	12	7	1		90 72		7 11	- 52	16 33
			E.	1	1	0		85 72		7 10	- 57	16 44
			F.	6	12	0		90 75		7 4	12 4	17 4
			V.	6	10	0		89 74		7 30	- 25	17 20
Scilly ...	58/39	68/38	28. K.	12	5	2		291 269		6 50	11 45	16 40
			A.	9	6	0		88 72		7 13	- 52	16 30
			E.	1	1	1		86 67		7 12	- 57	16 41
			F.	9	8	0		89 75		7 6	12 4	17 2
			V.	6	5	0		89 72		7 31	- 25	17 19
Holyhead	63/38	52/50										
Yarmouth	83/23	72/29										

Relative Frequencies of Wind Components 1911-1914.

Observatory.	S/N	W/E
Orkney ...	70/35	40/71
Scilly ...	58/39	68/38
Holyhead	63/38	52/50
Yarmouth	83/23	72/29

22ND OCTOBER TO 28TH OCTOBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
Last week of Wheat-growing period Western Australia. (Meteorological Map, Western Australia 1908.)	
<p>☉ S 11° 0'. M 8h. 20m. Henry Toynbee b. 1819, [d. 29th March, 1909].</p>	*296. SUNDAY, 22nd OCTOBER. W.W.R. stations. Post Day.
<p>☉ S 11° 4'. M 9h. 2m. Greatest hourly wind velocity of 1909, 31.3 m/s (70 ml/hr), strongest gust, 40.2 m/s (90 ml/hr), Scilly.</p>	297. MONDAY, 23rd. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.
<p>☉ S 11° 7'. M 9h. 45m. 1902. Santa Maria eruption.</p>	*298. TUESDAY, 24th.
<p>☉ S 12° 1'. M 10h. 30m. 1665. Great gale in London [see 26th]. 1859. 25th-26th, "Royal Charter" storm, Irish Sea.</p>	299. WEDNESDAY, 25th.
<p>☉ S 12° 4'. M 11h. 18m. ● New Moon 20h. 37m. 1665. "In the evening [bar. in London] very near at 27½ ins. wind quiet."—<i>Phil. Trans.</i> In the morning it had been 28 ins. and on the day before 28½ ins. in the morning, with much rain and a great storm. "At Bristol [bar.] in the evening remarkably low, only 27½ ins.; 25th, a.m., 28½, 26th, a.m., 28 ins. (sea level)."—DR. BEAL. (LOWE.)</p>	*300. THURSDAY, 26th. Balloon Day. Obs.—Met. work despatch day.
<p>☉ S 12° 8'. M 12h. 10m. 1913. Tornadoes in South Wales and Shropshire. (G.M.)*</p>	301. FRIDAY, 27th.
<p>☉ S 13° 1'. M 13h. 6m. St. Simon and St. Jude.</p>	*302. SATURDAY, 28th. M.O.—W.W.R. App. I. Copy day. Obs.—Close Journal, 52.

NINTH WEEK OF AUTUMN.				YEAR XXXIX.				WEEK No. 44.				
Normals, 1881-1910, for Districts.				Notes at Observatories.†								
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1914.	Sun.			
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Yrs.		Rises.	Noon.	Sets.	
Dist. N.	Sun. hrs.	Rain. in. mm.		Oct.				°A.		G.M.T.		
0	1.7	1.25	32	29. K.	14	8	0	291 270		h. m.	h. m.	h. m.
E.				A.	13	7	0	88 70		6 52	11 45	16 38
1	2.0	0.81	21	E.	0	1	0	86 66		7 15	- 52	16 28
2	2.2	0.56	14	F.	9	6	0	88 75		7 14	- 57	16 39
3	2.6	0.61	16	V.	7	7	0	90 73		7 7	12 4	17 0
4	2.2	0.67	17							7 33	- 25	17 17
5	2.7	0.88	22									
W.				30. K.	14	11	0	291 270		6 54	11 45	16 36
6	2.1	1.23	31	A.	12	6	1	87 72		7 18	- 52	16 26
7	2.1	0.92	23	E.	0	1	0	85 76		7 17	- 57	16 37
8	2.5	1.10	28	F.	10	10	0	88 74		7 9	12 4	16 58
9	2.4	0.92	23	V.	8	7	0	88 74		7 35	- 25	17 15
10	2.7	0.93	24									
S.				31. K.	16	9	2	290 270		6 56	11 45	16 34
11	3.0	0.90	23	A.	13	11	0	89 72		7 20	- 52	16 24
				E.	1	1	0	82 72		7 18	- 56	16 34
				F.	8	8	1	88 75		7 11	12 4	16 57
				V.	4	10	0	88 74		7 37	- 25	17 13
				Nov.								
				1. K.	18	11	2	290 271		6 58	11 45	16 32
				A.	13	10	0	87 72		7 22	- 52	16 22
				E.	1	1	0	82 69		7 20	- 56	16 32
				F.	14	7	1	88 75		7 13	12 4	16 55
				V.	15	11	0	88 73		7 39	- 25	17 11
				2. K.	11	8	1	288 270		7 0	11 45	16 30
				A.	16	10	1	88 70		7 24	- 52	16 20
				E.	1	0	0	84 74		7 12	- 56	16 30
				F.	9	12	1	88 75		7 14	12 4	16 54
				V.	10	10	0	88 75		7 41	- 25	17 9
				3. K.	12	11	1	289 271		7 2	11 45	16 28
				A.	9	15	0	88 70		7 26	- 52	16 18
				E.	0	3	0	84 73		7 24	- 56	16 28
				F.	14	5	0	88 75		7 16	12 4	16 52
				V.	11	8	1	87 73		7 43	- 25	17 7
Relative Frequencies of Wind Components 1911-1914.												
Observatory.	S/N	W/E										
Orkney ...	81/27	53/53										
Scilly ...	65/38	60/39										
Holyhead	77/24	61/46										
Yarmouth	83/22	74/28										
				4. K.	10	12	5	289 271		7 4	11 45	16 26
				A.	10	15	0	86 72		7 29	- 52	16 15
				E.	1	1	0	84 74		7 26	- 56	16 26
				F.	10	13	0	88 76		7 18	12 4	16 50
				V.	8	9	0	88 72		7 45	- 25	17 5

29TH OCTOBER TO 4TH NOVEMBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Upper Air—Short Series.
☉ S 13.5°. M 14h. 6m. Edmund Halley b. 1656, [d. 14th Jan. 1724]. 1898. Tornado at Camberwell. (Q.J.)	303. SUNDAY, 29th OCTOBER. W.W.R. stations. Post Day.
☉ S 13.8°. M 15h. 8m. 1868. Hereford earthquake. (S.M.)	*304. MONDAY, 30th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 14.1°. M 16h. 8m.	305. TUESDAY 31st. M.O.—Geophysical Journal, August Copy day. Circular 001. Copy day. Obs.—Close Journal, 53.
☉ S 14.4°. M 17h. 7m. All Hallows. Balfour Stewart b. 1828, [d. 19 Dec. 1887]. 1076. Frost lasted from 1st November, to 15th April, 1077.—(ANDREWS.) 1755. Great Earthquake of Lisbon.	*306. WEDNESDAY, 1st NOVEMBER.
☉ S 14.4°. M 18h. 2m. ☾ First quarter 17h. 51m. Henry John Stephen Smith b. 1826, [d. 9 Feb. 1883].	307. THURSDAY, 2nd. Obs.—Met. work despatch day.
☉ S 15.1°. M 18h. 53m.	*308. FRIDAY, 3rd.
☉ S 15.4°. M 19h. 42m.	309. SATURDAY, 4th. Climatological stations.— Schedule day. Obs.—Send Curves and tabulations to complete month. Obs.—Close Journal, 54.

TENTH WEEK OF AUTUMN.				YEAR XXXIX.				WEEK No. 45.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1914.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.		Nov.				°A.	G.M.T.		
0	1.4	1.22 31		5. K.	14	10	3	289 271	h. m.	h. h.	m. m.
E.				A.	14	11	0	88 71	7 6	11 45	16 25
1	1.9	0.76 19		E.	1	3	0	85 74	7 31	- 52	16 13
2	1.9	0.57 14		F.	13	6	0	88 76	7 29	- 57	16 25
3	2.5	0.52 13		V.	10	4	0	88 73	7 19	12 4	16 49
4	1.9	0.63 16							7 46	- 25	17 4
5	2.4	0.80 20									
W.				6. K.	12	10	3	289 271	7 8	11 45	16 24
6	1.6	1.29 33		A.	14	13	1	89 72	7 34	- 52	16 10
7	1.7	0.84 21		E.	1	2	0	83 74	7 31	- 57	16 23
8	2.3	1.08 27		F.	11	10	0	87 76	7 21	12 4	16 47
9	2.0	0.89 23		V.	8	7	0	88 71	7 47	- 25	17 3
10	2.2	0.99 25									
S.				7. K.	11	15	2	288 269	7 10	11 45	16 22
11	2.7	1.07 27		A.	10	14	0	89 71	7 36	- 52	16 8
				E.	1	1	0	85 70	7 33	- 57	16 21
				F.	6	7	0	88 75	7 22	12 4	16 46
				V.	7	6	0	88 73	7 49	- 25	17 1
				8. K.	18	10	3	287 272	7 11	11 45	16 20
				A.	11	11	0	86 72	7 38	- 52	16 6
				E.	0	2	1	85 69	7 35	- 57	16 19
				F.	14	8	0	89 75	7 24	12 4	16 44
				V.	19	9	0	88 73	7 51	- 25	16 59
				9. K.	22	17	3	288 271	7 12	11 45	16 18
				A.	11	12	0	87 71	7 40	- 52	16 4
				E.	1	3	1	85 72	7 37	- 57	16 17
				F.	13	5	0	88 73	7 26	12 4	16 42
				V.	10	7	0	89 72	7 53	- 25	16 57
				10. K.	12	10	2	288 269	7 13	11 45	16 17
				A.	11	9	0	88 68	7 42	- 52	16 2
				E.	0	2	0	84 72	7 39	- 57	16 15
				F.	11	9	0	88 73	7 27	12 4	16 41
				V.	8	11	0	88 75	7 55	- 25	16 55
				11. K.	14	15	3	288 270	7 15	11 45	16 15
				A.	12	11	2	86 68	7 45	- 53	16 0
				E.	0	0	0	82 72	7 41	- 57	16 13
				F.	10	14	0	88 75	7 29	12 4	16 40
				V.	6	14	0	88 74	7 57	- 25	16 53
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E									
Orkney ...	70/30	69/29									
Scilly ...	55/49	88/19									
Holyhead	70/28	85/24									
Yarmouth	82/22	86/20									

5TH NOVEMBER TO 11TH NOVEMBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
<p>☉ S 15.7°. M 20h. 30m. Léon Philippe Teisserenc de Bort b. 1855, [d. 2 Jan. 1913]. Strongest gust of 1911, 40.2 m/s (90 ml/hr), Eskdalemuir.</p>	<p>*310. SUNDAY, 5th NOVEMBER. W.W.R. stations. Post Day.</p>
<p>☉ S 16.0°. M 21h. 17m. 1091. Flood. London Bridge swept away by the force of the waters.—(LOWE.)</p>	<p>311. MONDAY, 6th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.</p>
<p>☉ S 16.3°. M 22h. 5m. 1862. First Barograph record from Kew.</p>	<p>*312. TUESDAY, 7th.</p>
<p>☉ S 16.6°. M 22h. 54m.</p>	<p>313. WEDNESDAY, 8th.</p>
<p>☉ S 16.9°. M 23h. 46m. ☉ Full Moon, 20h. 18m.</p>	<p>*314. THURSDAY, 9th. Obs.—Met. work despatch day.</p>
<p>☉ S 17.1°.</p>	<p>315. FRIDAY, 10th. H.D.I.</p>
<p>☉ S 17.4°. M 0h. 38m. Martinmas. 1901. Beginning of three days' slow travelling depression with heavy rainfall. (L.H.)†</p>	<p>*316. SATURDAY, 11th. Obs.—Close Journal, 55.</p>

ELEVENTH WEEK OF AUTUMN.				YEAR XXXIX.				WEEK No. 46.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1914.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets
Dist. N.	Sun. hrs.	Rain. in. mm.		Nov. 12. K.	11	11	1	°A. 288 271	G.M.T. h. m. h. m. h. m.		
E.	0	1.2	1.19 30	A.	6	14	0	86 72	7 17	11 45	16 14
	1	1.8	0.68 17	E.	7	2	0	81 74	7 47	- 53	15 58
	2	1.9	0.53 14	F.	7	11	0	88 73	7 43	- 57	16 11
	3	2.2	0.53 14	V.	9	10	0	87 74	7 31	12 5	16 39
	4	1.9	0.53 14						7 59	- 25	16 52
	5	2.3	0.62 16								
W.	6	1.7	1.08 27	13. K.	10	14	2	289 268	7 19	11 46	16 13
	7	1.8	0.77 20	A.	11	10	0	87 71	7 49	- 53	15 56
	8	2.3	0.83 21	E.	7	0	0	84 75	7 45	- 57	16 9
	9	2.2	0.84 21	F.	11	10	0	88 76	7 33	12 5	16 37
	10	2.5	0.92 23	V.	5	7	0	88 74	8 1	- 26	16 51
S.	11	2.7	0.82 21								
				14. K.	14	13	2	290 268	7 21	11 46	16 11
				A.	11	13	1	87 71	7 52	- 53	15 54
				E.	7	7	0	83 67	7 47	- 57	16 7
				F.	9	10	0	88 73	7 34	12 5	16 36
				V.	6	6	0	88 72	8 3	- 26	16 49
Dist. N.	Mean Temperature. °F. °A.										
E.	0	*42	*279								
	1	*41	*278								
	2	43	279	15. K.	11	13	0	288 269	7 22	11 46	16 10
	3	43	279	A.	12	9	0	85 69	7 54	- 53	15 52
	4	42	279	E.	0	2	1	84 68	7 49	- 58	16 6
	5	45	280	F.	9	9	0	88 73	7 36	12 5	16 34
W.	6	*43	*279	V.	9	5	0	87 71	8 4	- 26	16 48
	7	44	279								
	8	45	280								
	9	44	279	16. K.	16	15	1	289 267	7 24	11 46	16 8
	10	45	280	A.	13	12	0	87 64	7 56	- 53	15 50
S.	11	49	283	E.	0	2	0	83 73	7 51	- 58	16 4
				F.	12	6	0	89 74	7 37	12 5	16 33
				V.	10	7	0	87 71	8 6	- 26	16 46
Relative Frequencies of Wind Components 1911-1914.											
				17. K.	19	10	1	288 267	7 25	11 46	16 7
				A.	18	8	0	87 63	7 58	- 54	15 49
				E.	2	7	0	84 70	7 53	- 58	16 2
Observatory.	S/N	W/E		F.	17	4	0	87 75	7 39	12 5	16 32
				V.	12	10	0	87 70	8 7	- 26	16 45
Orkney ...	41/61	72/29									
Scilly ...	37/65	85/15		18. K.	16	10	2	288 269	7 27	11 46	16 6
				A.	14	13	0	85 67	8 0	- 54	15 48
Holyhead	56/46	81/23		E.	2	0	0	82 70	7 55	- 58	15 1
				F.	14	9	0	87 74	7 41	12 6	16 31
Yarmouth	56/46	90/10		V.	13	8	0	87 73	8 9	- 26	16 44

12TH NOVEMBER TO 18TH NOVEMBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 17.7°. M 1h. 31m. 1897. 8.03 in. (204 mm.) rain at Seathwaite.	317. SUNDAY, 12th NOVEMBER. W.W.R. stations. Post Day.
☉ S 18.0°. M 2h. 24m. 1901. End of slow travelling depression. Total average rainfall, 4 in. (102 mm.).	*318. MONDAY, 13th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 18.2°. M 3h. 14m. 1854. Balaklava storm.	319. TUESDAY, 14th.
☉ S 18.5°. M 4h. 3m.	*320. WEDNESDAY, 15th.
☉ S 18.7°. M 4h. 48m. 1893. Beginning of five days' great storm over the British Isles: wind velocity, 21 m/s. (47 ml/hr), Holyhead. 1878. Greatest flood in Norwich since 1646 [in which year it occurred on Nov. 15]. Woodward, Geol. Survey Memoir.	321. THURSDAY, 16th. Obs.—Met. work despatch day.
☾ Last Quarter 22h. 1m. ☉ S 19.0°. M 5h. 32m. Fourth Earl of Rosse b. 1840, [d. 30 Aug. 1908]. 1893. 9 p.m., wind velocity of 31.3 m/s (70 ml/hr), Deerness.	*322. FRIDAY, 17th.
☉ S 19.2°. M 6h. 14m. 1893. Wind velocity of 29.5 m/s (66 ml/hr), Fleetwood.	323. SATURDAY, 18th. Obs.—Close Journal, 56.

TWELFTH WEEK OF AUTUMN.				YEAR XXXIX.				WEEK No. 47.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1914.	Sun.		
					R. inless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises. Noon. Sets		
Dist. N.	Sun. hrs.	Rain. in. mm.		Nov.				°A.	G.M.T.		
0	1.0	1.31 33		19. K.	18	11	3	286 266	h. m.	h. m.	h. m.
E.				A.	17	9	0	88 70	7 29	11 47	16 5
1	1.6	0.63 16		E.	0	1	0	81 71	8 2	— 54	45 46
2	1.9	0.43 11		F.	16	8	0	86 73	7 57	— 58	15 59
3	1.8	0.43 11		V.	13	11	0	87 72	7 42	12 6	16 30
4	1.6	0.46 12							8 11	— 27	16 43
5	1.8	0.57 14									
W.				20. K.	23	15	1	287 269	7 30	11 47	16 4
6	1.5	1.25 32		A.	13	5	0	87 66	8 4	— 54	15 44
7	1.6	0.78 20		E.	3	2	0	82 68	7 59	— 59	15 58
8	1.9	0.88 22		F.	12	7	0	87 73	7 44	12 6	16 28
9	1.7	0.93 24		V.	11	9	0	86 72	8 12	— 27	16 42
10	2.0	0.87 22									
S.				21. K.	20	18	3	286 270	7 32	11 47	16 2
11	2.1	0.80 20		A.	10	13	0	85 63	8 7	— 55	15 43
				E.	3	2	0	83 67	8 1	— 59	15 57
				F.	15	8	1	88 72	7 45	12 6	16 27
				V.	7	11	0	87 71	8 14	— 27	16 40
Dist. N.	Mean Temperature.										
0	°F. *41	°A. *278									
E.				22. K.	20	23	4	288 268	7 33	11 47	16 1
1	*40	*277		A.	10	9	0	87 70	8 9	— 55	15 41
2	42	278		E.	1	1	0	82 70	8 2	— 59	15 56
3	42	278		F.	9	9	0	87 74	7 47	12 7	16 26
4	44	280		V.	12	9	0	86 72	8 15	— 27	16 39
5	43	279									
W.				23. K.	17	20	2	288 269	7 35	11 48	16 0
6	*42	*279		A.	15	10	0	87 69	8 11	— 55	15 39
7	43	279		E.	2	1	0	83 70	8 4	— 59	15 54
8	44	280		F.	12	12	1	86 73	7 49	12 7	16 25
9	43	279		V.	6	10	0	86 73	8 17	— 28	16 38
10	44	280									
S.				24. K.	19	16	0	286 269	7 37	11 48	15 59
11	48	282		A.	8	12	0	87 70	8 13	— 55	15 37
				E.	1	1	0	82 70	8 7	12 0	15 53
				F.	14	9	1	86 72	7 50	— 7	16 24
				V.	7	13	0	87 72	8 19	— 28	16 37
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E									
Orkney ...	61/42	66/29									
Scilly ...	31/57	59/44		25. K.	18	14	3	286 269	7 38	11 48	15 58
				A.	10	19	0	85 71	8 15	— 56	15 36
				E.	2	1	0	83 73	8 9	12 0	15 52
				F.	10	14	0	86 72	7 52	— 8	16 24
				V.	8	9	1	86 73	8 20	— 28	16 36

19TH NOVEMBER TO 25TH NOVEMBER, 1916.

Astronomical and Historical Notes.

Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.

Diary.

☉ S 19.5°. M 6h. 55m.
1893. Wind velocity of 22.8 m/s (51 ml/hr),
Holyhead.

*324.
SUNDAY, 19th NOVEMBER.
W.W.R. stations. Post Day.

☉ S 19.7°. M 7h. 37m.
1893. Wind velocity of 21 m/s (47 ml/hr),
Yarmouth.

325.
MONDAY, 20th.
Anemo. stations. Post Day.
Baro. stations. Post Day.
M.O.—Discussion, 17h.

☉ S 19.9°. M 8h. 20m.

*326.
TUESDAY, 21st.

☉ S 20.1°. M 9h. 6m.
1879. Frost from November 22nd to February 2nd,
1880.—(ANDREWS.)

327.
WEDNESDAY, 22nd.

☉ S 20.4°. M 9h. 57m.

*328.
THURSDAY, 23rd.
Obs.—Met. work despatch day.

☉ S 20.6°. M 10h. 52m.
1433. River frozen below London Bridge to Gravesend, from November 24th, to February 10th, 1434.—(LOWE.)
1715. Fair on the river Thames. Frost lasted till February 9th, 1716.—(LOWE.)

329.
FRIDAY, 24th.
H.D.I.

☉ S 20.8°. M 11h. 51m.
● New Moon 8h. 50m.
1890. Frost commenced and continued almost uninterrupted until Jan. 22nd, 1891.—(Q.J., 1901.)

*330.
SATURDAY, 25th.
Obs.—Close Journal, 57.

THIRTEENTH WEEK OF AUTUMN.				YEAR XXXIX.				WEEK No. 48.			
Normals, 1881-1910, for Districts.				Notes at Observatories.†							
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1914.	Sun.		
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.
Dist. N.	Sun. hrs.	Rain. in. mm.		Nov.				°A.	G.M.T.		
0	0.9	1.41 36		26. K.	15	15	2	286 269	h. m.	h. m.	h. m.
E.				A.	17	17	0	86 67	7 40	11 49	15 57
1	1.2	0.62 16		E.	1	3	0	83 74	8 17	- 56	15 35
2	1.4	0.58 15		F.	10	12	0	86 71	8 10	12 0	15 50
3	1.5	0.58 15		V.	9	10	0	86 73	7 53	- 8	16 23
4	1.4	0.62 16							8 22	- 29	16 35
5	1.6	0.63 16									
W.				27. K.	16	11	0	286 268	7 42	11 49	15 56
6	1.2	1.14 29		A.	12	10	0	87 70	8 19	- 56	15 34
7	1.3	0.90 23		E.	1	2	0	84 70	8 12	12 1	15 49
8	1.7	0.96 24		F.	11	7	0	86 70	7 54	- 8	16 22
9	1.4	0.79 20		V.	6	15	1	86 71	8 24	- 29	16 34
10	1.7	0.86 22									
S.				28. K.	12	17	1	287 267	7 43	11 49	15 55
11	1.9	0.93 24		A.	15	16	0	88 67	8 21	- 57	15 33
				E.	0	2	0	83 66	8 14	12 1	15 48
				F.	9	11	1	87 69	7 56	- 9	16 21
				V.	7	11	0	87 71	8 25	- 29	16 33
Dist. N.	Mean Temperature.										
0	°F.	°A.									
E.	*40	*278		29. K.	16	19	3	287 267	7 45	11 50	15 55
1	*40	*277		A.	17	6	0	86 66	8 22	- 57	15 32
2	41	278		E.	2	2	0	83 62	8 15	12 1	15 47
3	41	278		F.	10	11	1	86 68	7 53	- 9	16 20
4	41	278		V.	6	7	0	87 72	8 27	- 30	16 33
5	43	279									
W.				30. K.	15	16	2	288 267	7 46	11 50	15 55
6	*42	*279		A.	15	14	0	85 61	8 24	- 57	15 31
7	42	279		E.	1	2	0	84 59	8 17	12 2	15 46
8	44	280		F.	10	14	1	86 71	7 59	- 9	16 19
9	43	279		V.	4	10	0	86 72	8 28	- 30	16 32
10	44	280									
S.				Dec.							
11	47	282		1. K.	17	17	0	286 269	7 47	11 50	15 54
				A.	15	10	0	85 61	8 26	- 53	15 30
				E.	0	1	0	81 60	8 19	12 2	15 45
				F.	12	11	0	86 71	8 1	- 10	16 19
				V.	6	13	0	86 73	8 29	- 30	16 31
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E		2. K.	20	13	0	286 265	7 49	11 51	15 53
Orkney ...	69/29	81/27		A.	11	15	0	87 60	8 27	- 58	15 29
Scilly ...	48/36	82/17		E.	0	4	0	83 61	8 21	12 3	15 45
Holyhead	73/23	83/18		F.	8	12	0	87 71	8 2	- 10	16 18
Yarmouth	80/24	82/12		V.	7	15	0	86 71	8 31	- 31	16 31

26TH NOVEMBER TO 2ND DECEMBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 21° 0'. M 12h. 54m. 1703. Defoe's Great Storm, South of England.— (Phil. Trans.)	331. SUNDAY, 26th NOVEMBER. W.W.R. stations. Post Day.
☉ S 21° 1'. M 13h. 58m. Anders Celsius b. 1701, [d. 25 April, 1744].	*332. MONDAY, 27th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 21° 3'. M 14m. 59m. Luke Howard b. 1772, [d. 21 March, 1864].	333. TUESDAY, 28th.
☉ S 21° 5'. M 15h. 57m.	*334. WEDNESDAY, 29th.
☉ S 21° 7'. M 16h. 50m. St. Andrew. 1269. Frost lasted from November 30th, to February 2nd, 1270.—(ANDREWS.)	335. THURSDAY, 30th. Balloon Day. M.O.—Geophysical Journal, September Copy day. Obs.—Met. Work despatch Day. Close Journal, 58.
☉ S 21° 8'. M 17h. 40m. 1662. River Thames partially frozen over. "In this frost skates were introduced into England from Holland."—(LOWE.)	*336. FRIDAY, 1st DECEMBER. Issue to Fishery Barometer Stations of Forms 035 and 037.
☉ S 22° 0'. M 18h. 28m. D First quarter 1h. 56m.	337. SATURDAY, 2nd. Obs.—Close Journal, 59.

FIRST WEEK OF WINTER.				YEAR XXXIX.						WEEK No. 49.		
Normals, 1881-1910, for Districts.				Notes at Observatories.†								
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes, 1871-1914.	Sun.			
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.	
Dist. N.	Sun. hrs.	Rain. in. mm.	Dec.	K.				°A.	G.M.T.			
0	0.8	1.63 41	3.	A.	17	17	1					
E.				A.	10	15	1	286 265	h. m.	h. m.	h. m.	
1	1.3	0.93 24		E.	0	4	0	85 63	7 50	11 51	15 53	
2	1.4	0.65 16		F.	8	12	0	82 61	8 29	- 59	15 28	
3	1.5	0.60 15		V.	5	19	0	86 70	8 22	12 3	15 44	
4	1.3	0.67 17						86 73	8 3	- 10	16 17	
5	1.5	0.83 21							8 32	- 31	16 30	
W.			4.	K.	11	13	0	287 267	7 51	11 52	15 53	
6	1.1	1.56 40		A.	12	14	0	86 63	8 31	- 59	15 27	
7	1.1	0.99 25		E.	0	3	0	82 72	8 23	12 3	15 43	
8	1.6	1.36 34		F.	10	9	0	86 71	8 4	- 11	16 17	
9	1.4	1.00 25		V.	3	14	0	86 72	8 34	- 32	16 30	
10	1.6	1.07 27										
S.			5.	K.	13	16	0	287 268	7 52	11 52	15 52	
11	1.9	1.17 30		A.	10	18	1	86 69	8 32	- 59	15 26	
				E.	3	1	0	80 66	8 25	12 4	15 43	
				F.	3	11	0	86 71	8 5	- 11	16 16	
				V.	4	14	0	86 73	8 35	- 32	16 29	
Dist.	Mean Temperature.		6.	K.	6	17	2	286 265	7 54	11 53	15 52	
N.	°F.	°A.		A.	10	12	0	85 68	8 34	12 0	15 25	
0	*40	*277		E.	1	3	0	80 66	8 26	- 4	15 42	
E.				F.	6	13	0	86 70	8 7	- 12	16 16	
1	*39	*277		V.	3	10	0	86 72	8 37	- 33	16 29	
2	40	278										
3	40	277										
4	40	277										
5	42	278										
W.			7.	K.	14	14	2	287 263	7 55	11 53	15 51	
6	*42	*278		A.	16	13	0	83 67	8 36	12 0	15 24	
7	42	278		E.	0	2	0	81 70	8 28	- 5	15 42	
8	43	279		F.	5	9	0	86 71	8 8	- 12	16 16	
9	41	278		V.	5	9	0	86 73	8 38	- 33	16 28	
10	43	279										
S.			8.	K.	13	15	0	287 267	7 56	11 53	15 51	
11	47	281		A.	15	9	0	86 66	8 38	12 1	15 24	
				E.	0	3	1	84 73	8 29	- 5	15 41	
				F.	6	15	0	86 71	8 9	- 13	16 16	
				V.	4	13	0	86 72	8 39	- 33	16 28	
Relative Frequencies of Wind Components 1911-1914.				9.	K.	14	13	2	286 268	7 57	11 54	15 51
Observatory.	S/N	W/E		A.	11	12	0	85 70	8 39	12 1	15 23	
Orkney ...	76/25	62/33		E.	1	1	0	84 72	8 31	- 6	15 41	
Scilly ...	53/22	71/8		F.	9	4	0	85 70	8 10	- 13	16 16	
Holyhead	85/20	84/21		V.	3	12	0	85 72	8 40	- 34	16 28	
Yarmouth	89/17	88/14										

3RD DECEMBER TO 9TH DECEMBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 22.1°. M 19h. 15m. 1st Sunday in Advent. 1909. "Ellan Vannin" storm, Irish Sea.	*338. SUNDAY, 3rd DECEMBER. W.W.R. stations. Post Day.
☉ S 22.4°. M 20h. 2m. 1879. -18° F. (245° A.) at Killoe House, and -23° F. (242.4° A.), (2 ft. from ground) at Blackadder, both in Berwickshire. — (Q.J. Vol. VI.)	339. MONDAY, 4th. Anemo. stations. Post Day. Baro. stations. Post Day. Climatological stations. Schedule day. M.O.—Discussion, 17h.
☉ S 22.4°. M 20h. 50m.	*340. TUESDAY, 5th. Observatories—Send curves and tabulations to complete the month.
☉ S 22.5°. M 21h. 39m. 1353. Frost lasted from December 6th, to March 12th, 1354. — (ANDREWS.) 1913. Eruption of Mt. Benbow, New Hebrides.	341. WEDNESDAY, 6th.
☉ S 22.6°. M 22h. 30m. 1866. Suspension of the issue of "Cautionary Storm Warnings" by the Meteorological Department of the Board of Trade. Greatest hourly wind velocity of 1911, 28.6 m/s (64 ml/hr), Scilly. 1912. Highest sounding with registering balloon, Pavia, 37,700 metres. — (La Nature, No. 2,068, 11 Jan., 1913.)	*342. THURSDAY, 7th. Obs.—Met. work despatch day.
☉ S 22.7°. M 23h. 23m. 1886. Beginning of two days' storm and low barometer over the British Islands; 27.38 in. (928 mb.), at Belfast. — (Q.J.)	343. FRIDAY, 8th. H.D.I.
☉ S 22.8°. Full Moon 12h. 44m. 1678-9. Frost until Feb. 9 with one remission. — (WALFORD.)	*344. SATURDAY, 9th. Obs.—Close Journal, 60.

SECOND WEEK OF WINTER.				YEAR XXXIX.				WEEK No. 50.				
Normals, 1881-1910, for Districts.				Notes at Observatories.†								
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Temperature Extremes, 1871-1914.	Sun.			
Dist. N.	Sun. hrs.	Rain. in. mm.			Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.	
				Dec. 10.	K.	15	18	2	°A.	G.M.T.		
E.	0	0.5	1.47	37	A.	12	18	0	286 267	h. m.	h. m.	h. m.
	1	1.0	0.62	16	E.	1	4	0	84 67	7 58	11 54	15 51
	2	1.2	0.50	13	F.	9	10	0	81 72	8 40	12 2	15 23
	3	1.4	0.56	14	V.	6	11	0	86 70	8 32	- 6	15 40
	4	1.2	0.66	17					85 72	8 11	- 13	16 15
	5	1.5	0.70	18						8 41	- 34	16 27
W.	6	1.0	1.25	32	11. K.	13	18	1	286 266	7 59	11 55	15 50
	7	1.0	0.86	22	A.	13	14	0	86 67	8 41	12 2	15 23
	8	1.4	1.17	30	E.	0	3	0	83 72	8 33	- 6	15 39
	9	1.3	0.88	22	F.	3	12	0	85 69	8 12	- 14	16 15
	10	1.6	1.04	26	V.	6	10	0	86 72	8 42	- 35	16 27
S.	11	1.8	0.99	25	12. K.	8	21	2	286 268	8 0	11 55	15 50
					A.	12	15	0	85 63	8 42	12 2	15 22
					E.	0	2	0	81 74	8 35	- 7	15 39
					F.	5	10	0	85 70	8 13	- 14	16 15
					V.	8	12	0	85 71	8 43	- 35	16 27
				13. K.	11	17	1	286 264	8 1	11 56	15 50	
Dist. N.	Mean Temperature.			A.	13	21	0	86 62	8 44	12 3	15 22	
0	*39	*277		E.	0	3	0	83 74	8 35	- 7	15 39	
E.	1	*38	*276	F.	7	14	0	86 74	8 14	- 15	16 15	
	2	40	277	V.	7	16	0	86 71	8 44	- 36	16 27	
	3	40	277									
	4	39	277	14. K.	13	18	1	287 265	8 2	11 56	15 50	
	5	42	278	A.	10	16	0	87 62	8 44	12 3	15 22	
W.	6	*41	*278	E.	0	3	0	84 73	8 36	- 8	15 40	
	7	41	278	F.	9	14	0	86 71	8 15	- 15	16 15	
	8	43	279	V.	5	16	0	85 70	8 45	- 36	16 27	
	9	41	278									
	10	43	279	15. K.	14	11	0	286 267	8 3	11 57	15 50	
S.	11	47	281	A.	9	13	1	84 60	8 46	12 4	15 22	
				E.	1	4	0	81 73	8 37	- 8	15 40	
				F.	6	10	0	85 72	8 16	- 16	16 15	
				V.	6	12	0	85 74	8 46	- 37	16 27	
Relative Frequencies of Wind Components 1911-1914.				16. K.	18	14	0	286 268	8 4	11 57	15 50	
Observatory.	S/N	W/E		A.	14	19	0	86 69	8 46	12 4	15 22	
Orkney ...	72/29	59/49		E.	1	1	0	81 73	8 38	- 9	15 40	
Scilly ...	53/44	90/15		F.	10	13	0	86 71	8 16	- 16	16 15	
Holyhead	74/18	78/32		V.	6	14	0	86 73	8 47	- 37	16 27	
Yarmouth	73/32	81/23										

10TH DECEMBER TO 16TH DECEMBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
<p>☉ S 22° 9'. M 0h. 16m. 1149. Frost lasted from December 10th, to February 19th, 1150.—(ANDREWS.) 1881. Loss of balloon "Saladin" with Mr. Walter Powell, M.P.—(Annual Report, 1881-82.)</p>	<p>345. SUNDAY, 10th DECEMBER. W.W.R. Stations. Post Day.</p>
<p>☉ S 23° 0'. M 1h. 7m.</p>	<p>*346. MONDAY, 11th. Anemo. Stations. Post Day. Baro. stations. Post Day.</p>
<p>☉ S 23° 1'. M 1h. 56m. Strongest gust of 1906, 38.4 m/s (86 ml/hr), Scilly.</p>	<p>347. TUESDAY, 12th.</p>
<p>☉ S 23° 2'. M 2h. 43m. Johann von Lamont b. 1805, [d. 6 Aug. 1879].</p>	<p>*348. WEDNESDAY, 13th. M.O.—Quarterly issue of forms. Issue to stations of register forms for 1917 to be completed.</p>
<p>☉ S 23° 2'. M 3h. 27m. Greatest hourly wind velocity of 1907, 27.3 m/s (61 ml/hr), Fleetwood.</p>	<p>349. THURSDAY, 14th. Obs.—Met. work despatch day.</p>
<p>☉ S 23° 3'. M 4h. 9m. 1570. Snow the like of which was not known in memory of man.—(Geol. Mem.) 1888. Mayou eruption, Philippine Islands.</p>	<p>*350. FRIDAY, 15th.</p>
<p>☉ S 23° 3'. M 4h. 50m. Greatest hourly wind velocity of 1910, 28.2 m/s (63 ml/hr), strongest gust 38 m/s (85 ml/hr), Pendennis. 1877. "Barometer 31.72 in. at Semipalatinsk" (1046 mb. station level reduced to 1081 mb. sea level). "Barometer 31.6 in. at Barnaul." 1911. R. Amundsen at the South Pole.</p>	<p>351. SATURDAY, 16th. Obs.—Close Journal, 61.</p>

THIRD WEEK OF WINTER.			YEAR XXXIX.						WEEK No. 51.		
Normals, 1881-1910, for Districts.			Notes for Observatories.†								
Daily Sunshine and Weekly Rainfall.			Day.	No. of Times.			Tempera- ture. Extremes, 1871-1914.	Sun.			
				Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets	
Dist. N.	Sun. hrs.	Rain. in. mm.	Dec. 17. K.	15	21	3	°A.	G.M.T.			
0	0.6	1.06 27	A.	14	22	0	287 267	h. m.	h. m.	h. m.	
E.			E.	1	3	0	85 69	8 5	11 58	15 51	
1	0.9	0.52 13	F.	11	15	0	82 70	8 48	12 5	15 22	
2	1.1	0.40 10	V.	9	14	0	86 71	8 38	- 9	15 40	
3	1.5	0.30 8					86 71	8 17	- 17	16 16	
4	1.1	0.39 10						8 48	- 38	16 28	
5	1.6	0.42 11									
W.			18. K.	22	19	1	286 269	8 5	11 58	15 51	
6	0.9	1.03 26	A.	12	13	1	86 65	8 48	12 5	15 22	
7	1.1	0.60 15	E.	1	2	0	83 70	8 39	- 10	15 41	
8	1.4	0.79 20	F.	7	12	0	85 72	8 18	- 17	16 16	
9	1.2	0.79 20	V.	6	9	0	86 71	8 48	- 38	16 28	
10	1.5	0.97 25									
S.											
11	1.7	0.60 15									
Dist. N.	Mean Temperature.										
	°F.	°A.									
0	*39	*277									
E.											
1	*38	*276									
2	39	277	20. K.	22	19	1	285 264	8 6	11 59	15 52	
3	33	277	A.	17	18	0	84 62	8 49	12 6	15 23	
4	38	276	E.	2	3	0	82 68	8 41	- 11	15 41	
5	40	278	F.	12	11	0	86 69	8 19	- 18	16 17	
W.			V.	8	7	0	86 70	8 49	- 39	16 29	
6	*40	*278									
7	40	277									
8	42	279									
9	41	278	21. K.	20	21	3	285 266	8 7	12 0	15 53	
10	43	279	A.	15	15	0	83 63	8 50	- 7	15 24	
S.			E.	2	3	0	82 74	8 41	- 11	15 41	
11	46	280	F.	16	13	0	85 71	8 20	- 19	16 18	
			V.	10	16	0	86 71	8 50	- 40	16 30	
Relative Frequencies of Wind Components 1911-1914.											
Observatory.	S/N	W/E	22. K.	23	19	2	285 261	8 7	12 0	15 53	
			A.	16	18	0	84 67	8 50	- 7	15 24	
			E.	3	2	0	79 70	8 42	- 12	15 42	
			F.	12	16	0	86 72	8 20	- 19	16 18	
			V.	11	18	0	85 72	8 50	- 40	16 30	
Orkney ...	74/16	91/18									
Scilly ...	61/37	60/35	23. K.	19	17	1	285 265	8 8	12 1	15 54	
Holyhead	66/33	72/32	A.	13	15	0	87 63	8 51	- 8	15 25	
			E.	0	1	0	80 72	8 42	- 12	15 42	
			F.	13	14	0	85 72	8 21	- 20	16 19	
Yarmouth	72/27	68/24	V.	8	15	0	85 71	8 51	- 41	16 31	

17TH DECEMBER TO 23RD DECEMBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
<p>☉ S 23.4°. M 5h. 31m. ☾ Last quarter 18h. 6m. 1896. Hereford earthquake.—(DAVISON.) Sir Francis Beaufort d. 1857, [b. 1774]. 1877. "Barometer 31.63 in. at Barnaul" (1050 mb. station level reduced to 1073 mb. sea level).</p>	<p>*352. SUNDAY, 17th DECEMBER. W.W.R. stations. Post Day.</p>
<p>☉ S 23.4°. M 6h. 12m.</p>	<p>353. MONDAY, 18th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.</p>
<p>☉ S 23.4°. M 6h. 56m.</p>	<p>*354. TUESDAY, 19th.</p>
<p>☉ S 23.4°. M 7h. 43m. 1896. "Barometer 31.717 in. at Irkutsk" (1003.5 mb. at station level reduced to 1072 mb. sea level). 1860. Severe frost from December 20th to January 5th, 1861.—(ANDREWS.)</p>	<p>355. WEDNESDAY, 20th.</p>
<p>☉ S 23.5°. M 8h. 34m. St. Thomas. St. Lucia.</p>	<p>*356. THURSDAY, 21st. Obs.—Met. work despatch day.</p>
<p>☉ S 23.5°. M 9h. 31m. Winter Solstice. 987-988. Frost began in London and lasted 120 days.—(LOWE.) 1906. Earthquake in Turkestan. 1894. Gale over the British Isles. Greatest hourly wind velocity, 34.9 m/s (78 ml/hr), Fleetwood.</p>	<p>357. FRIDAY, 22nd. H.D.I.</p>
<p>☉ S 23.5°. M 10h. 33m.</p>	<p>*358. SATURDAY, 23rd. Obs.—Close Journal, 62.</p>

FOURTH WEEK OF WINTER.				YEAR XXXIX.						WEEK No. 52.					
Normals, 1881-1910, for Districts.				Notes at Observatories.†											
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Temperature Extremes 1871-1914.		Sun.					
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.			Rises.	Noon.	Sets.			
Dist. N.	Sun. hrs.	Rain. in. mm.	Dec.					°A.				G.M.T. h. m.			
0	0.6	1.21 31	24. K.	16	22	0		284 263	8 8	12 1	15 54				
E. 1	0.9	0.59 15	A.	12	19	0		85 66	8 51	- 8	15 25				
2	1.2	0.38 10	E.	1	2	1		81 70	8 42	- 13	15 44				
3	1.2	0.38 10	F.	11	16	0		85 73	8 21	- 20	16 19				
4	1.1	0.49 12	V.	6	13	0		86 71	8 51	- 41	16 32				
5	1.3	0.51 13													
W. 6	0.8	1.12 28	25. K.	14	15	2		284 264	8 8	12 2	15 55				
7	1.0	0.66 17	A.	13	13	0		85 66	8 52	- 9	15 26				
8	1.2	0.93 24	E.	0	3	0		80 69	8 42	- 13	15 44				
9	1.0	0.79 20	F.	13	11	0		85 73	8 22	- 20	16 19				
10	1.3	1.01 26	V.	8	14	0		86 74	8 51	- 42	16 33				
S. 11	1.8	0.77 20													
			26. K.	16	23	2		285 267	8 9	12 2	15 56				
Dist. N.	Mean Temperature.		A.	11	17	1		86 66	8 52	- 9	15 27				
0	*38	*276	E.	0	3	0		80 74	8 43	- 14	15 45				
E. 1	*37	*276	F.	8	18	0		85 72	8 22	- 21	16 21				
2	38	276	V.	10	12	0		85 74	8 51	- 42	16 34				
3	38	276													
4	38	276	27. K.	9	20	1		287 265	8 9	12 3	15 57				
5	40	277	A.	10	17	0		84 64	8 52	- 10	15 28				
W. 6	*40	*277	E.	0	3	0		82 70	8 43	- 14	15 45				
7	39	277	F.	6	17	0		86 70	8 22	- 22	16 22				
8	41	278	V.	4	17	1		86 71	8 51	- 43	16 35				
9	41	278													
10	43	279	28. K.	13	21	2		286 269	8 9	12 3	15 58				
S. 11	45	280	A.	10	17	1		84 68	8 52	- 10	15 28				
			E.	2	1	0		82 70	8 43	- 15	15 47				
			F.	9	12	0		86 70	8 22	- 22	16 22				
			V.	6	12	1		86 72	8 51	- 43	16 36				
Relative Frequencies of Wind Components 1911-1914.				29. K.	19	16	2	286 266	8 9	12 4	15 59				
Observatory.	S/N	W/E	A.	14	14	1		86 66	8 52	- 11	15 30				
			E.	0	2	0		81 71	8 43	- 15	15 48				
			F.	12	13	0		86 71	8 22	- 23	16 23				
			V.	6	14	0		85 69	8 51	- 44	16 37				
Orkney ...	70/35	69/31	30. K.	20	16	2		286 263	8 9	12 4	15 59				
Scilly ...	57/41	85/19	A.	12	18	0		85 63	8 52	- 11	15 30				
Holyhead	70/28	72/18	E.	1	3	0		80 67	8 43	- 16	15 48				
			F.	11	17	0		86 69	8 22	- 23	16 24				
Yarmouth	59/27	85/17	V.	8	8	0		85 71	8 51	- 44	16 37				

Relative Frequencies of
Wind Components
1911-1914.

Observatory.	S/N	W/E
Orkney ...	70/35	69/31
Scilly ...	57/41	85/19
Holyhead	70/28	72/18
Yarmouth	59/27	85/17

24TH DECEMBER TO 30TH DECEMBER, 1916.	
Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
<p>☉ S 23° 4'. M 11h. 37m. ● New Moon 20h. 31m. 1736. Very high tide in London; the River Thames flowed into Westminster Hall.—(Baker's "Record of the Seasons.") Partial eclipse of the Sun, invisible at Greenwich.</p>	359. SUNDAY, 24th DECEMBER. W.W.R. stations. Post Day.
<p>☉ S 23° 4'. M 12h. 41m. Christmas Day. 1434. Thames frozen below London Bridge to Gravesend, from December 25th to February 11th, 1435.—(ANDREWS.) 1860. Carstairs. Exposed therm. fell to - 20° F.—(BUCHAN.) Buxton. "Temp. 4ft. above ground was 8° below zero, and on the grass 13° 8' below zero, or 45° 8' of frost."—Mr. G. T. Lowe in "Times."</p>	*360. MONDAY, 25th. M.O.—Press closed. Anemo. stations. Post Day. Baro. stations. Post Day.
<p>☉ S 23° 4'. M 13h. 43m. St. Stephen. Greatest hourly wind velocity of 1912, 31.3 m/s (73 ml/hr). Strongest gust, 43.8 m/s (98 ml/hr), Pendennis Castle.</p>	361. TUESDAY, 26th. M.O.—Press closed.
<p>☉ S 23° 3'. M 14h. 49m. St. John. 1813. "Great fog commenced in London, and the greatest frost of the century set in."—(ANDREWS.) 1852. Barometer 27.98 in. (949 mb.), at Culloden.</p>	*362. WEDNESDAY, 27th.
<p>☉ S 23° 3'. M 15h. 34m. Innocents Day. 1879. Tay Bridge Storm. 1908. Messina Earthquake. 1913. Record height for aviator only. G. Legagneur, 6,120m. (20,079 ft.).</p>	363. THURSDAY, 28th. Balloon Day. Obs.—Met. work despatch day.
<p>☉ S 23° 2'. M 16h. 24m. 1899. Low Barometric pressure over the British Isles. 28.29 in. (958.7 mb.) at Roches Point and St. Ann's Head.</p>	*364. FRIDAY, 29th.
<p>☉ S 23° 2'. M 17h. 12m.</p>	365. SATURDAY, 30th. Electrical work 3rd Quarter day. M.O.—Geophysical Journal, October Copy day. Obs.—Close Journal, 63.

FIFTH WEEK OF WINTER.				YEAR XL.				WEEK No. 1.				
Normals, 1881-1910, for Districts.				Notes at Observatories.†								
Daily Sunshine and Weekly Rainfall.				Day.	No. of Times.			Tempera- ture Extremes 1871-1915.	Sun.			
					Rainless in 35 Yrs.	Sunless in 35 Yrs.	Fog in 10 Years.		Rises.	Noon.	Sets.	
Dist.	Sun. hrs.	Rain. in. mm.		Dec.				°A.	G.M.T.			
N.	0	0.7	1.08	27	31. K.	19	18	1	286 265	h. m.	h. m.	h. m.
E.					A.	14	17	0	84 63	8 9	12 5	16 1
	1	1.0	0.63	16	E.	0	2	0	81 62	8 51	- 12	15 31
	2	1.1	0.50	13	F.	14	10	0	86 70	8 42	- 16	15 49
	3	1.4	0.50	13	V.	4	18	0	85 70	8 22	- 24	16 25
	4	1.2	0.58	15						8 51	- 45	16 38
W.	5	1.4	0.53	14								
	6	0.9	1.14	29	1917.							
	7	1.0	0.72	18	Jan.							
	8	1.5	0.89	23	1. K.	15	24	0	286 265	8 9	12 5	16 1
	9	1.3	0.84	21	A.	17	16	0	86 65	8 51	- 12	15 31
S.	10	1.5	1.03	26	E.	2	2	0	81 72	8 42	- 16	15 49
					F.	14	15	0	86 65	8 22	- 24	16 25
	11	1.8	0.78	20	V.	11	19	0	86 73	8 51	- 45	16 38

DATES OF BEGINNING OF THE YEAR AND SEASONS OF THE WEEKLY WEATHER REPORTS, VOLS. XXXIX TO LXIII.

Year.	Year of Weekly Report and date of beginning.	No. of weeks in year.	Spring begins.	Summer begins.	Autumn begins.	Winter begins.
1916	XXXIX. Jan. 2nd ...	52	Feb. 26th*	June 4th	Sept. 3rd	Dec. 3rd
1917	XL. Dec. 31st ...	52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
1918	XLI. Dec. 30th ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
1919	XLII. Dec. 29th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
1920	XLIII. Jan. 4th ...	52	Feb. 29th	May 30th	Aug. 29th	Nov. 28th
1921	XLIV. Jan. 2nd ...	52	Feb. 27th	* Spring 14 weeks.	Aug. 28th	Nov. 27th
1922	XLV. Jan. 1st ...	52	Feb. 26th	May 29th	Aug. 28th	Nov. 27th
1923	XLVI. Dec. 31st ...	52	Mar. 4th	May 28th*	Sept. 3rd	Dec. 3rd
1924	XLVII. Dec. 30th ...	52	Mar. 3rd	June 3rd	Sept. 2nd	Dec. 2nd
1925	XLVIII. Jan. 4th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
		52	Mar. 1st	May 31st	Aug. 30th	Nov. 29th
1926	XLIX. Jan. 3rd ...	52	Feb. 28th	* Summer 14 weeks.	Aug. 29th	Nov. 28th
1927	L. Jan. 2nd ...	52	Feb. 27th	May 30th	Aug. 29th	Nov. 27th
1928	LI. Jan. 1st ...	52	Feb. 26th	May 29th	Aug. 28th	Nov. 26th
1929	LII. Dec. 30th ...	52	Mar. 3rd	May 28th	Aug. 27th*	Dec. 3rd
1930	LIII. Dec. 29th ...	53	Mar. 2nd	June 2nd	Sept. 1st	Dec. 1st
		52	Mar. 1st	June 1st	Aug. 31st	Nov. 30th
1931	LIV. Jan. 4th ...	52	Mar. 3rd	* Autumn 14 weeks.	Sept. 1st	Dec. 1st
1932	LV. Jan. 3rd ...	52	Mar. 2nd	May 31st	Aug. 30th	Nov. 29th
1933	LVI. Jan. 2nd ...	52	Mar. 1st	May 30th	Aug. 29th	Nov. 28th
1934	LVII. Jan. 1st ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1935	LVIII. Dec. 31st ...	52	Feb. 26th	May 28th	Aug. 27th	Nov. 26th*
		52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
		52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
1936	LIX. Dec. 29th ...	53	Mar. 2nd	* Winter 14 weeks.	Sept. 1st	Dec. 1st
1937	LX. Jan. 3rd ...	52	Mar. 1st	May 31st	Aug. 30th	Nov. 29th
1938	LXI. Jan. 2nd ...	52	Mar. 3rd	May 30th	Aug. 29th	Nov. 28th
1939	LXII. Jan. 1st ...	52	Feb. 28th	May 29th	Aug. 28th	Nov. 27th
1940	LXIII. Dec. 31st ...	52	Feb. 27th	May 28th	Aug. 27th	Nov. 26th

31ST DECEMBER, 1916, TO 1ST JANUARY, 1917.

Astronomical and Historical Notes.		Diary.	
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.			
☉ S 23° 1'. M 18h. 0m. ☾ First quarter 12h. 7m.		*366. SUNDAY, 31st DECEMBER. W.W.R. stations. Post Day. Obs.—Close Journal, 64.	
☉ S 23° 0'. M 18h. 47m. New Year's Day (England since 1751, Scotland since 1600). 1876. First publication by "The Times" of 6 p.m. Weather Map.		1. MONDAY, 1st JANUARY, 1917. Anemo. stations. Post Day. Baro. stations. Post Day.	

TABLE OF SUN-SPOT NUMBERS. 1749-1913.

	0	1	2	3	4	5	6	7	8	9
1740 ...										81
1750 ...	83	48	48	31	12	10	10	32	48	54
1760 ...	63	86	61	45	36	21	11	38	70	106
1770 ...	101	82	66	35	31	7	20	92	154	126
1780 ...	85	68	38	23	10	24	83	132	131	118
1790 ...	90	67	60	47	41	21	16	6	4	7
1800 ...	14	34	45	43	48	42	28	10	8	2
1810 ...	0	1	5	12	14	35	46	41	30	24
1820 ...	16	7	4	2	8	17	29	50	62	67
1830 ...	71	48	28	8	13	57	122	138	103	86
1840 ...	63	37	24	11	15	40	62	98	124	96
1850 ...	66	65	54	39	21	7	4	23	55	94
1860 ...	96	77	59	44	47	30	16	7	37	74
1870 ...	139	111	102	66	45	17	11	12	3	6
1880 ...	32	54	60	64	64	52	25	13	7	6
1890 ...	7	36	73	85	78	64	42	26	27	12
1900 ...	10	3	5	24	42	64	54	62	49	44
1910 ...	19	6	4	1						

Dist.	Temperature.		Sun-shine.	Rainfall.		Temperature.		Sun-shine.	Rainfall.	
	F.	°A.	hrs.	in.	mm.	°F.	°A.	hrs.	in.	mm.
JANUARY.						FEBRUARY.				
N.										
E.										
0	38·4	277	0·82	5·92	150	37·6	276	1·97	4·65	118
1	37·5	276	1·37	2·57	65	37·0	276	2·60	2·20	56
2	38·6	277	1·37	1·77	45	38·6	277	2·65	1·47	37
3	38·0	276	1·68	1·74	44	38·5	277	2·80	1·48	38
4	38·1	276	1·42	2·17	55	38·6	277	2·40	1·83	46
5	39·7	277	1·60	2·27	58	39·9	277	2·66	1·98	50
W.										
6	39·7	277	1·19	4·69	119	39·0	277	2·19	3·81	87
7	39·7	277	1·22	3·03	77	39·5	277	2·37	2·40	61
8	41·4	278	1·63	3·67	93	41·1	278	2·69	3·03	77
9	40·7	278	1·38	3·45	88	40·5	278	2·38	2·80	71
10	42·4	279	1·65	4·00	102	42·1	279	2·66	3·23	82
S.										
11	44·4	280	2·08	3·04	77	44·0	280	3·27	2·61	66
MARCH.						APRIL.				
N.										
E.										
0	39·3	277	3·08	4·42	112	42·9	279	4·62	2·95	75
1	39·3	277	3·42	2·30	58	43·3	279	4·82	1·89	48
2	40·6	278	3·99	1·74	44	44·3	280	5·11	1·58	40
3	41·0	278	4·00	1·55	39	45·6	281	5·33	1·55	39
4	41·1	278	3·57	1·73	44	45·6	281	4·87	1·77	45
5	42·2	279	3·96	1·81	46	46·8	281	5·35	1·62	41
W.										
6	40·8	278	3·57	3·52	89	44·7	280	5·13	2·76	70
7	41·3	278	3·49	2·40	61	45·5	281	4·85	2·09	53
8	42·7	279	4·01	2·71	69	46·7	281	5·46	2·35	60
9	41·9	279	3·42	2·72	69	45·6	281	4·81	2·39	61
10	43·5	279	3·93	2·98	76	47·1	281	5·29	2·64	67
S.										
11	45·2	280	4·84	2·25	57	48·8	282	6·40	1·96	50
MAY.						JUNE.				
N.										
E.										
0	47·8	282	5·44	2·74	70	52·6	284	5·19	2·76	70
1	48·4	282	5·96	2·16	55	54·0	285	6·03	2·18	55
2	49·3	283	6·28	1·80	46	55·2	286	6·28	1·83	46
3	51·2	284	6·65	1·87	48	57·0	287	6·87	1·99	51
4	51·1	284	5·99	2·07	53	56·9	287	6·22	2·04	52
5	52·4	284	6·74	1·80	46	57·9	287	7·02	1·87	48
W.										
6	49·9	283	6·33	2·87	73	55·3	286	6·38	2·83	

Dist.	Temperature.		Sun-shine.	Rainfall.		Temperature.		Sun-shine.	Rainfall.		
	°F.	°A.	hrs.	in.	mm.	°F.	°A.	hrs.	in.	mm.	
JULY.						AUGUST.					
N.											
E.	0	54.9	286	4.10	3.52	89	54.5	286	3.69	4.29	109
	1	56.3	286	5.25	3.00	76	55.8	286	4.80	3.17	81
	2	58.6	288	6.18	2.44	62	57.8	287	5.18	2.74	70
	3	60.5	289	6.79	2.31	59	59.7	288	5.95	2.34	59
	4	59.9	289	6.03	2.41	61	58.8	288	5.35	2.65	67
	5	61.0	289	6.97	2.19	56	60.8	289	6.27	2.48	63
W.											
	6	57.1	287	5.57	3.61	92	56.5	287	4.96	4.60	117
	7	58.7	288	5.87	3.04	77	58.1	288	5.02	3.67	93
	8	59.4	288	6.38	2.97	75	59.1	288	5.95	3.38	86
	9	57.4	287	4.47	3.29	84	56.8	287	4.23	4.01	102
	10	58.8	288	5.06	3.10	79	58.2	288	4.93	4.09	104
S.											
	11	60.6	289	7.91	2.33	59	61.5	289	7.03	2.68	68
SEPTEMBER.						OCTOBER.					
N.											
E.	0	51.7	284	3.35	4.56	116	46.1	281	2.44	5.46	139
	1	52.3	284	3.96	2.37	60	45.9	281	2.80	3.17	81
	2	54.3	285	4.45	1.96	50	48.0	282	3.07	2.94	75
	3	55.9	286	4.98	1.98	50	48.9	282	3.39	2.72	69
	4	54.8	286	4.39	2.06	52	47.8	282	2.98	2.88	73
	5	57.2	287	5.11	2.28	58	50.3	283	3.41	3.27	83
W.											
	6	53.2	285	4.17	4.11	104	47.7	282	2.74	5.00	127
	7	54.9	286	4.26	3.00	76	48.8	282	2.76	3.97	101
	8	56.2	286	4.81	3.12	79	50.2	283	3.28	4.54	115
	9	53.9	285	3.76	3.21	82	48.1	282	2.87	3.86	98
	10	55.2	286	4.44	2.89	73	49.5	283	3.30	3.84	97
S.											
	11	59.0	288	6.02	2.59	66	53.7	285	3.94	3.98	101
NOVEMBER.						DECEMBER.					
N.											
E.	0	42.2	279	1.20	5.52	140	39.0	277	0.63	5.86	149
	1	41.4	278	1.68	3.02	77	37.7	276	1.00	2.93	74
	2	43.2	279	1.83	2.40	61	39.1	277	1.22	2.22	56
	3	43.4	279	2.11	2.19	56	38.7	277	1.39	1.94	49
	4	42.7	279	1.76	2.44	62	38.5	277	1.17	2.34	59
	5	45.1	280	2.04	2.94	75	40.7	278	1.45	2.56	65
W.											
	6	43.8	280	1.57	5.36	136	40.5	278	0.97	5.36	136
	7	44.3	280	1.64	3.59	91	40.4	278	1.02	3.36	85
	8	45.9	281	2.06	4.24	108	42.3	279	1.47	4.49	114
	9	44.1	280	1.91	3.95	100	41.1	278	1.24	3.80	97
	10	45.6	281	2.21	4.14	105	42.9	279	1.52	4.53	115
S.											
	11	49.5	283	2.45	3.85	98	46.6	281	1.85	3.87	98

Mean Temperature, Daily Sunshine, and aggregate Rainfall for twelve districts for the seasons and the year.

Dist.	Temperature.			Sun-shine.	Rainfall.		Temperature.	Sun-shine.			Rainfall.	
	°F.	°A.	hrs.	in.	mm.		°F.	°A.	hrs.	in.	mm.	
SPRING.						SUMMER.						
N. 0	43.3	279	4.47	9.88	251	53.7	285	4.28	10.57	268		
E. 1	44.2	280	4.88	6.27	159	55.7	286	5.32	8.31	211		
2	45.1	280	5.23	5.09	129	57.4	287	5.85	6.98	178		
3	46.3	281	5.44	4.95	126	59.2	288	6.51	6.59	167		
4	46.3	281	4.91	5.53	140	58.7	288	5.85	7.05	179		
5	47.6	282	5.46	5.16	131	60.2	289	6.73	6.50	160		
W. 6	45.5	281	5.12	8.97	228	56.3	287	5.59	11.03	280		
7	46.2	281	5.03	6.62	168	57.8	287	5.78	8.92	227		
8	47.4	282	5.50	7.08	180	58.8	288	6.38	8.57	218		
9	46.3	281	4.87	7.43	189	56.6	287	4.73	9.90	252		
10	47.7	282	5.34	7.97	202	58.1	288	5.34	9.66	245		
S. 11	49.4	283	6.54	6.01	153	60.4	289	7.83	6.76	172		
AUTUMN.						WINTER.						
N. 0	46.2	281	2.28	15.60	396	38.2	277	1.16	16.26	413		
1	46.4	281	2.75	8.56	217	37.5	276	1.67	7.63	194		
2	48.2	282	3.06	7.29	185	38.7	277	1.76	5.41	137		
3	49.1	283	3.42	6.87	174	38.4	277	1.96	5.11	130		
4	48.1	282	2.98	7.36	187	38.3	277	1.67	6.30	160		
5	50.5	283	3.44	8.49	216	39.9	277	1.91	6.76	172		
W. 6	48.0	282	2.76	14.51	369	39.8	277	1.46	13.69	348		
7	49.1	283	2.82	10.56	268	39.9	277	1.55	8.68	220		
8	50.5	283	3.32	11.93	303	41.5	278	1.94	11.07	281		
9	48.5	282	2.80	11.01	280	40.8	278	1.67	9.96	253		
10	49.8	283	3.26	10.90	277	42.4	279	1.95	11.67	296		
S. 11	53.8	285	4.05	10.48	266	44.7	280	2.41	9.41	239		
YEAR.												
N. 0	45.4	280	3.55	52.31	1329							
E. 1	46.0	281	3.66	30.77	782							
2	47.4	282	3.98	24.77	630							
3	48.3	282	4.33	23.52	597							
4	47.9	282	3.85	26.24	667							
5	49.6	283	4.39	26.91	684							
W. 6	47.4	282	3.73	48.20	1224							
7	48.3	282	3.80	34.78	884							
8	49.6	283	4.29	38.65	982							
9	48.1	282	3.52	38.30	973							
10	49.5	283	3.97	40.20	1021							
S. 11	52.1	284	5.21	32.66	830							

M.O. 213.

Director.

METEOROLOGICAL OFFICE, LONDON.

1917.

CALENDAR

WITH

NOTES AND DIARY OF OPERATIONS

FOR

THE USE OF OBSERVERS.

Issued by the Authority of the Meteorological Committee.



LONDON:

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S
STATIONERY OFFICE

By DARLING AND SON, LTD., 34-40, BACON STREET, E.

And to be purchased from

THE METEOROLOGICAL OFFICE, EXHIBITION ROAD, LONDON, S.W.

1916.

Price One Shilling.

PREFACE.

The following notes are applicable throughout the Calendar :—

† Pressures quoted in absolute units.—In converting from inches to millibars pressure values given in previous editions, it has been assumed that the gravity correction had not been made.

* This symbol denotes that at the observatories the day so marked is a change-day for two-day sheets.

§ Sunday is also a post-day where postal arrangements permit for pressure-tube anemometer stations, summaries of the records from which are printed in the Weekly Weather Report.

The initials **H.D.I.** are set against selected days for observations of the earth's horizontal magnetic force in absolute measure, declination and inclination, provided that the day is not unfavourable for observation. Additional observations of these elements should be made as required.

The initial **M.** indicates a day for determining the scale value of the magnetograph, and **S.** for the seismograph. The scale value of the electrograph should be determined once a month, and the date entered in the Calendar at the observatory.

Wind Velocities.—All velocities given are reduced to "factor 2.2," and are expressed in metres per second, m/s, with an alternative in miles per hour, mi/hr.

International Cloud Days.—International co-operation is interrupted. The central aerological observatory of the Meteorological Office is now at Benson, near Wallingford, and co-operating observers should communicate with Mr. W. H. Dines, F.R.S., at that address with regard to arrangements for 1917. Observations of cloud motion on the international plan are due on international balloon days and on the day preceding and succeeding.

Kew Observatory.—The completion of the tabulation of Magnetic Curves for quiet days is due within three months of the receipt of the specification of the days from Utrecht.

Meteorological Office.—The Weekly Weather Report for each week is issued on the Friday of the following week. The Quarterly and Annual Appendices and the Annual Summary to the Monthly Weather Report are due for issue on the dates specified in the Calendar. The Monthly Weather Report is due to be issued on the first day of the next month but one; a monthly circular for observers will accompany the report. Daily Readings at First and Second Order Stations are due on the last working day of the following month. The Geophysical Journal is due within three months of the close of its period. Hourly Readings for 1916 are to be published as an Annual Volume before the close of 1917.

NAPIER SHAW,

Director.

22nd December, 1916.

SOLAR HEAT.

The strength of the solar heat stream is supposed to vary from day to day. According to Abbot its mean value is—

$$\begin{aligned} & 1.93 \text{ gm. cal. per cm}^2 \text{ per min.} \\ & = 135 \text{ milliwatts per cm}^2. \\ & = 32.4 \text{ kilowatt hours per m}^2 \text{ per diem.} \\ & = 11700 \text{ joules per diem per cm}^2. \end{aligned}$$

The accompanying table is derived from the last of these values by means of Zenker's table in which allowance for the variation in the sun's distance is made, so that the figures represent $c \frac{a^2}{r^2} \int \cos z \, dt$ where c is the mean strength of the solar heat stream, z is the sun's zenith distance, r is the distance from the earth to the sun, a its mean value, and the integral is taken over the time the sun is above the horizon.

Gross Vertical Flow of Heat per diem towards the earth from outside the Atmosphere.		
Lat.	52°	56°
Joules per sq. cm.		
Jan. 15	781	539
Feb. 15	1326	1083
Mar. 15	2179	1961
April 15	3076	2923
May 15	3801	3732
June 15	4117	4096
July 15	3944	3906
Aug. 15	3323	3202
Sept. 15	2497	2303
Oct. 15	1597	1361
Nov. 15	927	692
Dec. 15	626	410

31ST DECEMBER, 1916, TO 6TH JANUARY, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	* Change day for two-day sheets.
<p>\odot S 23°1'. M 18h. 0m. NEW YEAR'S EVE. 1865. Barometer 27·63 in. (937mb.) at the Hoy Low Lighthouse, Orkney. 1875. Evening attendance at the Meteorological Office for the issue of Storm Warnings commenced. Issue of Daily Weather Report No. 20,128.</p>	<p>*366. SUNDAY, 31st DECEMBER, 1916. Observatories— Close Met. Journal, 64. Electr. work, 3rd Quarter day. W.W.R.§ stations. Post Day § Including pressure - tube Anemo. Stations. M.O.—Geophysical Journal, October Copy day.</p>
<p>\odot S 23°0'. M 18h. 47m. NEW YEAR'S DAY, in England since 1751, in Scotland since 1600. 1795. Severe snow in South of Scotland. 17 shepherds perished and great numbers of sheep. 1876. Publication by "The Times" of 6 p.m. Weather Map begun. Suspended August, 1914. 1913. Records of Solar radiation in C.G.S. units published in D.W.R.</p>	<p>1. MONDAY, 1st JANUARY, 1917. Anemo. stations. Post Day. Baro. stations. Post Day.</p>
\odot S 22°9'. M 19h. 36m.	TUESDAY, 2nd. *2.
\odot S 22°9'. M 20h. 27m. 1867. First meeting of the Meteorological Committee of the Royal Society.	WEDNESDAY, 3rd. 3.
\odot S 22°8'. M 21h. 18m. 1867. Camden Town min. temp. 6·7° F. Sheering, Harlow 7° F. (259a) (S.M.).	THURSDAY, 4th. *4. Obs.—Met. Work despatch day. Climatological stations. Schedule day. Form 3201, 3202, 3203, 3204.
\odot S 22°6'. M 22h. 10m. 1684. Frost very intense in London; temperature 8° below zero. The longest frost on record, and the ice on the River Thames 11 in. thick. There were shops on the river till February. —(LOWE.)*	FRIDAY, 5th. 5. Observatories. Send curves and tabulations to complete December.
<p>EPIPHANY. Twelfth Day. \odot S 22°5'. M 23h. 2m. Benjamin Franklin b., 1706. [d. 17 Ap. 1796]. Abbott Lawrence Rotch b., 1861. [d. 7 Ap. 1912]. 1839. Beginning of two days' hurricane over British Isles. Many fatalities. Greatest hourly wind velocity of 1906, 29·1 m/s (65 mi/hr), Falmouth.</p>	<p>SATURDAY, 6th. *6. Obs.—Close Journal, 1.</p>

* Natural Phenomena and Chronology of the Seasons.—LOWE.

7TH JANUARY TO 13TH JANUARY, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	
<p>\odot S 22°4'. M 23h. 52m. 1881. Beginning of 21 days of severe frost. (Q.J.).† 1839. End of two days' hurricane over British Isles. Barometer 27·69 in. (939 mb.) at Aberdeen.</p>	<p>7. SUNDAY, 7th JANUARY. W.W.R.§ stations. Post Day. § Including pressure - tube Anemo. stations.</p>
<p>\odot S 22°3'. \odot Full Moon, 7h. 42m. 1735. W. or W.S.W. gale. So violent a one has not been known since the memorable one of November, 1703.—(LOWE.)* 1820. Barometer 31·046 in. (1052·5 mb.) at Gordon Castle at 9 a.m.</p>	<p>*8. MONDAY, 8th. Anemo. stations. Post Day. Baro. stations. Post Day.</p>
<p>\odot S 22°1'. M 0h. 39m. 1896. Barometer (sea level) 31·108 in. (1054·5 mb.), Ochertyre 9 h.; 31·106 in. (1054·5 mb.), Fort William.</p>	<p>9. TUESDAY, 9th. H.D.I.</p>
<p>\odot S 22°0'. M 1h. 24m. 1909. Reports by radio-telegraphy from Atlantic liners begun.</p>	<p>*10. WEDNESDAY, 10th.</p>
<p>\odot S 21°9'. M 2h. 7m. 1914. Eruption of Sakarishima, Japan.</p>	<p>11. THURSDAY, 11th. Obs.—Met. Work despatch day. Balloon Day.</p>
<p>\odot S 21°7'. M 2h. 48m. 1915. Pressure at Irkutsk reached 803 mm. = 1071 mb. 1869. Regular daily issue of lithographed copies of the Daily Weather Report begun (see 5 July).</p>	<p>*12. FRIDAY, 12th.</p>
<p>\odot S 21°5'. M 3h. 28m.</p>	<p>13. SATURDAY, 13th. Obs.—Close Journal, 2.</p>

* Natural Phenomena and Chronology of the Seasons.—LOWE.
† Quarterly Journal of the Royal Meteorological Society.

14TH JANUARY TO 20TH JANUARY, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
<p>☉ S 21° 4'. M 4h. 9m. 1st January (Old Style) in Russian Empire, &c. Matthew Fontaine Maury b. 1806, [d. 1st Feb., 1873]. 1205. "Began a frost which continued till March 22nd so that the ground could not be tilled."—(CHAMBERS.)</p>	<p>*14. SUNDAY, 14th JANUARY. M. S. W.W.R. stations. Post Day.</p>
<p>☉ S 21° 2'. M 4h. 51m. 1915. Earthquake in Italy. 1820. Temperature at Greenwich 0° 6' F. (255a)</p>	<p>15. MONDAY, 15th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.</p>
<p>☉ S 21° 0'. M 5h. 35m. (Last quarter. 11h. 42m.)</p>	<p>*16. TUESDAY, 16th.</p>
<p>☉ S 20° 8'. M 6h. 23m. 1881. Low temperatures —15° F. (247a) Stobo, (in Stevenson's screen)—16° F. (246a) Kelso, —22° F. (243a) Blackadder. — (S.M., Vol. 16.) Benjamin Franklin b. 1706.</p>	<p>17. WEDNESDAY, 17th.</p>
<p>☉ S 20° 6'. M 7h. 15m. Warren de la Rue b. 1815 [d. 19 Ap. 1889]. 1881. Great Snowstorm in South of England known as Black Tuesday (London milk supply curtailed). 1912. Capt. R. F. Scott reached South Pole. (Scott's Last Expedition.)</p>	<p>*18. THURSDAY, 18th. Obs.—Met. Work despatch day.</p>
<p>☉ S 20° 4'. M 8h. 12m. 1830. Heavy snow. Salisbury coach 17 hours coming from Andover. Severe frost.—(Q.J., 1901.)</p>	<p>19. FRIDAY, 19th.</p>
<p>☉ S 20° 2'. M 9h. 14m. William Ferrel b. 1817 [d. 18th Sept. 1891]. 1838. Coldest day of century. Thermometer below zero for some hours, followed almost immediately by a variation of nearly 50 degrees.—(Phil. Mag., Vol. XII.)—4° F. (253a) at Greenwich.</p>	<p>*20. SATURDAY, 20th. Obs.—Close Journal, 3.</p>

21ST JANUARY TO 27TH JANUARY, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
<p>☉ S 20° 6'. M 10h. 18m.</p>	<p>21. SUNDAY, 21st JANUARY. W.W.R. stations. Post Day.</p>
<p>☉ S 19° 7'. M 11h. 21m. St. Vincent. 1649. "Now," says Evelyn, "was the Thames frozen over, with horrid tempests of wind." (LOWE.)</p>	<p>*22. MONDAY, 22nd. Anemo. stations. Post Day. Baro. stations. Post Day.</p>
<p>☉ S 19° 5'. M 12h. 22m. ● New Moon 7h. 40m.</p>	<p>23. TUESDAY, 23rd. H.D.I.</p>
<p>☉ S 19° 3'. M 13h. 19m. 1728-9. January 24, a hard frost began which lasted 9 weeks.—(ALMANACK.) 1683-84. Thames planted with booths in formal streets.—(Q.J. XXVIII.)</p>	<p>*24. WEDNESDAY, 24th.</p>
<p>☉ S 19° 0'. M 14h. 13m. ST. PAUL'S DAY. Formerly believed to foreshadow the weather of the year. Robert Boyle b. 1627, [d. 30 Dec. 1691].</p>	<p>25. THURSDAY, 25th. Obs.—Met. work despatch day.</p>
<p>☉ S 18° 8'. M 15h. 4m. 1884. Great Snowstorm, Barometer 27·332 in. (926·5 mb. Sea level), Ochertyre.</p>	<p>*26. FRIDAY, 26th.</p>
<p>☉ S 18° 5'. M 15h. 53m. 1866. Meteorological Society Incorporated by Royal Charter. 1881. End of 21 days' spell of severe frost.</p>	<p>27. SATURDAY, 27th. Obs.—Close Journal, 4.</p>

28TH JANUARY TO 3RD FEBRUARY, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ S 18° 3'. M 16h. 42m. Robert Henry Scott b. 1833, [d. 18 June 1916].	*28. SUNDAY, 28th JANUARY. W.W.R. stations. Post Day.
☉ S 18° 0'. M 17h. 32m.	29. MONDAY, 29th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.
☉ S 17° 7'. M 18h. 23m. ☾ First Quarter 1h. 2m.	*30. TUESDAY, 30th.
☉ S 17° 5'. M 19h. 14m. 1902. Barometer (Sea level) 31.110 in. (1055 mb.), Aberdeen.	31. WEDNESDAY, 31st. M.O.—Geophysical Journal, November Copy day. Obs.—Close Journal, 5.
☉ S 17° 2'. M 20h. 6m. St. Bridget or Bride. 1894. First telegraphic report from Azores (Delgada).	*32. THURSDAY, 1st FEBRUARY. Obs.—Met. work despatch day. Balloon Day.
☉ S 16° 9'. M 20h. 58m. Purification of the B.V.M. Candlemas.	33. FRIDAY, 2nd. M.O.—W.W.R. Annual Appendices I, II, Copy day.
☉ S 16° 6'. M 21h. 48m.	*34. SATURDAY, 3rd. M.O.—M.W.R. Annual Summary. Copy day. Obs.—Close Journal, 6.

4TH FEBRUARY TO 10TH FEBRUARY, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ S 16° 3'. M 22h. 36m. 1907. Reports by radiotelegraphy from H.M. Ships begun.	35. SUNDAY, 4th FEBRUARY. Climatological Stations Schedule day. W.W.R. stations. Post Day.
☉ S 16° 0'. M 23h. 22m. 1861. First cautionary or "Storm Signal" made. 1870. Barometer 27.33 in. (926 mb.), S.S. "Tarifa," 51°N., 24°W.	*36. MONDAY, 5th. Obs. send curves and tabulations to complete month. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 15° 7'. St. Dorothea. 1665. "One of the coldest days, they say, ever felt in England."—(PEPYS.)	37. TUESDAY, 6th. H.D.I.
☉ S 15° 4'. M 0h. 5m. ☾ Full Moon 3h. 28m. Southport. Highest wind of 1913, hourly velocity, 27.7 m/s (62 mi/hr), strongest gust 38.4 m/s (86 mi/hr). 1895. Temperature—10° F. (250a) at Barkby, near Leicester.	*38. WEDNESDAY, 7th.
☉ S 15° 1'. M 0h. 47m. 1750. Last considerable earthquake in England. —(HORACE WALPOLE'S LETTERS.) 1895. Beginning of 14 days' frost with skating on the Serpentine. Temperature —12° F. (249a), Braemar. 1906. Line squall.—(Q.J.).	39. THURSDAY, 8th. Obs.—Met. work despatch day.
☉ S 14° 8'. M 1h. 28m. 1731. River Thames frozen up.—(SHORT.)	*40. FRIDAY, 9th.
☉ S 14° 4'. M 2h. 8m.	41. SATURDAY, 10th. Obs.—Close Journal, 7.

11TH FEBRUARY TO 17TH FEBRUARY, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ S 14.2°. M 2h. 58m. Hon. R. Abercromby, b. 1842 [d. 21 June, 1897]. 1895. Temperature—17° F. (246a), Braemar. 1899. 64° F. (291a) shade temp. Camden Town. Pressure 31.42 in. (1064 mb.) at Swift Current, Assiniboia.—(S.M.)*	*42. SUNDAY, 11th FEBRUARY. W.W.R. stations. Post Day.
☉ S 13.8°. M 3h. 33m. St. Eulalie.	43. MONDAY, 12th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.
☉ S 13.4°. M 4h. 18m. 1899. Min. temp. New Orleans 7° F. Ice 2 in. thick on Mississippi.—(S.M.)*	*44. TUESDAY, 13th.
☉ S 13.1°. M 5h. 7m. St. Valentine. 1698. Great Snowstorm: snow drifts several yards deep.—(LOWE.)	45. WEDNESDAY, 14th.
☉ S 12.8°. M 6h. 1m. ☾ Last quarter 1h. 53m. 1907. Full service of telegraphic reports from Iceland.	*46. THURSDAY, 15th. Obs.—Met. work despatch day.
☉ S 12.4°. M 6h. 58m. Sir F. Galton b. 1822, [d. 17th Jan., 1911].	47. FRIDAY, 16th. M.O.—Half-yearly issue of cards to Sunshine stations.
☉ S 12.1°. M 7h. 59m. 1571. Earthquake in Herefordshire.	*48. SATURDAY, 17th. Obs.—Close Journal, 8.

* See M.O. publication 142.

18TH FEBRUARY TO 24TH FEBRUARY, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ S 11.7°. M 9h. 1m. 1564. Galileo Galilei b. [d. Jan. 8th, 1642]. 1895. Ice 10 in. thick, Regent's Park.	49. SUNDAY, 18th FEBRUARY. W.W.R. stations. Post Day.
☉ S 11.4°. M 10h. 1m. 1895. Remarkable Temperature Inversion 9 a.m., Ben Nevis, Summit, 274a, Fort William 264a 1895. Ice 7½ in. thick, Serpentine. (Q.J.) Strongest gust of 1910, 38.9 m/s (87 mi/hr), Pendennis.	*50. MONDAY, 19th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 11.0°. M 11h. 0m. 1663. "Danzig Phenomenon." 1907. "Berlin" wrecked, North Sea.	51. TUESDAY, 20th. H.D.I.
☉ S 10.7°. M 11h. 55m. ● New Moon 18h. 9m. ASH WEDNESDAY. 1895. End of 14 days' frost with skating on Serpentine. Greatest hourly wind velocity of 1910, 28.2 m/s (63 mi/hr), strongest gust 38 m/s (85 mi/hr), Southport. (See also Dec. 16.)	*52. WEDNESDAY, 21st.
☉ S 10.3°. M 12h. 48m. St. Peter. Greatest wind velocity of 1908, 26.4 m/s (59 mi/hr), Deerness.	53. THURSDAY, 22nd. Obs.—Met. work despatch day.
☉ S 9.9°. M 13h. 40m.	*54. FRIDAY, 23rd.
☉ S 9.6°. M 14h. 31m. St. Mathias.	55. SATURDAY, 24th. Obs.—Close Journal, 9.

25TH FEBRUARY TO 3RD MARCH, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Last week of Winter Quarter.
☉ S 9° 2'. M 15h. 23m. 1st Sunday in Lent.	*56. SUNDAY, 25th FEBRUARY. W.W.R. stations. Post Day.
☉ S 8° 8'. M 16h. 15m.	57. MONDAY, 26th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.
☉ S 8° 4'. M 17h. 7m. 1903. Destructive Circular Storm. Strongest gust 39·3 m/s (88 mi/hr), Pendennis. Maximum hourly velocity, 24·6 m/s (55 mi/hr). (Q.J.)	*58. TUESDAY, 27th.
☉ S 8° 1'. M 18h. 0m. D First quarter 16h. 44m. St. Romanus. René Antoine Ferchault de Réaumur b., 1683 [d. 17 Oct., 1757]. Strongest gust of 1908, 37·6 m/s (84 mi/hr), Scilly.	59. WEDNESDAY, 28th. Obs.—Close Journal, 10. M.O.—Geophysical Journal, December Copy day. Sunshine stations. Equinoctial cards (straight) to be used from 1st March until 12th April.
☉ S 7° 7'. M 18h. 53m. St. David.	*60. THURSDAY, 1st MARCH. Obs.—Met. work despatch day. Balloon Day.
☉ S 7° 3'. M 19h. 44m. St. Chad. Sir W. J. L. Wharton b., 1843 [d. 29 Sept., 1905]. Prince Boris Galitzine b. 1862 [d. 17 May, 1916]. 1784. Blanchard, aeronaut, made his first ascent from Paris in a hydrogen balloon.	61. FRIDAY, 2nd. M.O.—Introductions to W.W.R. and M.W.R. 1915. Copy day.
☉ S 6° 9'. M 20h. 33m. St. Winnold. Sir John Murray b. 1841 [d. 16 March, 1914].	*62. SATURDAY, 3rd. Obs.—Close Journal, 11.

4TH MARCH TO 10TH MARCH, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	First week of Spring Quarter.
☉ S 6° 5'. M 21h. 19m. Strongest gust of 1912, 43·8 m/s (98 mi/hr), Pendennis Castle. (See also Dec. 26th.)	63. SUNDAY, 4th MARCH. W.W.R. stations. Post Day. Climatological stations. Schedule day. Observatories send curves and tabulations to complete month.
☉ S 6° 2'. M 20h. 3m.	*64. MONDAY, 5th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 5° 8'. M 20h. 46m.	65. TUESDAY, 6th. H.D.I.
☉ S 5° 4'. M 23h. 27m. Sir J. F. W. Herschel b. 1792 [d. 11 May, 1871].	*66. WEDNESDAY, 7th.
☉ S 5° 0'. Full Moon 21h. 58m. 1890. Thunderstorm and whirlwind at York. (Q.J.)	67. THURSDAY, 8th. Obs.—Met. work despatch day.
☉ S 4° 6'. M 0h. 8m.	*68. FRIDAY, 9th.
☉ S 4° 2'. M 0h. 49m. 1899. Discovery of the Stratosphere by Teisserenc de Bort.	69. SATURDAY, 10th. Obs.—Close Journal, 12.

11TH MARCH TO 17TH MARCH, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	
\odot S 3° 8'. M 1h. 32m. 1811. Leverrier born [d. 23 Sept. 1877]. 1872. Weather Charts first included in D.W.R. 1911. Western European Standard time (G.M.T.) adopted in France.	*70. SUNDAY, 11th MARCH. W.W.R. stations. Post Day.
\odot S 3° 4'. M 2h. 17m.	71. MONDAY, 12th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.
\odot S 3°. M 3h. 5m. 1900. Highest barometer reading on board ship in N. Atlantic, 31.09 in. (1054 mb.), s.s. "Lumen" in 55° N., 24° W.	*72. TUESDAY, 13th.
\odot S 2° 6'. M 3h. 56m. Greatest wind velocity of 1905, 32.2 m/s (72 mi/hr), gust 46 m/s (103 mi/hr), Pendennis Castle. Highest record for M.O. anemographs.	73. WEDNESDAY, 14th.
\odot S 2° 2'. M 4h. 52m. 1615. Highest flood ever known in Norwich.—(Geol. Memoir. Woodward.)	*74. THURSDAY, 15th. M.O.—Quarterly issue of forms. M.O.—Examination for probationers and boy clerks. Obs.—Met. work despatch day.
\odot S 1° 9'. M 5h. 50m. ☾ Last quarter 12h. 33m. Strongest gust of 1907, 36.2 m/s (81 mi/hr), Southport.	75. FRIDAY, 16th.
\odot S 1° 5'. M 6h. 49m. St. Patrick.	*76. SATURDAY, 17th. Obs.—Close Journal, 13.

18TH MARCH TO 24TH MARCH, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	
\odot S 1° 1'. M 7h. 48m.	77. SUNDAY, 18th MARCH. W.W.R. stations. Post Day.
\odot S 0° 7'. M 10h. 45m. St. Joseph.	*78. MONDAY, 19th. Anemo. stations. Post Day. Baro. stations. Post Day.
\odot S 0° 3'. M 11h. 40m. Vernal Equinox. 1727. Sir Isaac Newton d. (b. Dec. 25th, 1642).	79. TUESDAY, 20th. H.D.I.
\odot N 0° 1'. M 10h. 33m. St. Benedict. 1893. First registering balloon ascent. (Hermitage and Besançon.)	*80. WEDNESDAY, 21st.
\odot N 0° 5'. M 11h. 25m. 1682. River Thames, at London, ebbed and flowed three times in four hours.—(LOWE.) 1903. Eruption of La Soufrière. 1913. Strongest gust of year at Kew, 30 m/s (67 mi/hr).	81. THURSDAY, 22nd. Obs.—Met. work despatch day.
\odot N 0° 9'. M 12h. 16m. ● New Moon 4h. 5m.	*82. FRIDAY, 23rd.
\odot N 1° 3'. M 13h. 8m. 1878. "Eurydice" line-squall. (Q.J.) 1895. Destructive secondary passed across England. (F.W.)* 1902. Circular storm. Hourly wind velocity, 18.8 m/s (42 mi/hr), Valencia. (L.H.)†	83. SATURDAY, 24th. H.D.I. Obs.—Close Journal, 14.

* Forecasting Weather, by Sir Napier Shaw, F.R.S.

† Life History of Surface Air Currents, M.O. Publication 174.

25TH MARCH TO 31ST MARCH, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ N 1·7°. M 14h. 1m. Lady Day.	*84. SUNDAY, 25th MARCH. W.W.R. stations. Post Day.
☉ N 2·1°. M 14h. 55m.	85. MONDAY, 26th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.
☉ N 2·5°. M 15h. 50m.	*86. TUESDAY, 27th.
☉ N 2·9°. M 16h. 44m. 1916. Gale and snowstorm; highest gust at Kew, 32·1 m/s (72 mi/hr).	87. WEDNESDAY, 28th.
☉ N 3·3°. M 17h. 36m.	*88. THURSDAY, 29th. Obs.—Met. work despatch day.
☉ N 3·7°. M 18h. 27m. D First Quarter 10h. 36m.	89. FRIDAY, 30th.
☉ N 4·0°. M 19h. 14m.	*90. SATURDAY, 31st. Obs.—Electr. work, 1914, 4th Quarter day. Close Journal, 15. M.O.—Geophysical Journal, January Copy day.

1ST APRIL TO 7TH APRIL, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M. First week of Wheat-growing period, Western Australia (Commonwealth Weather Bureau, Western Australia, 1908).	Diary.
☉ N 4·4°. M 19h. 59m. PALM SUNDAY. 1879. Issue of forecasts resumed. First publication by "The Times" of the 8 a.m. Weather Map.	91. SUNDAY, 1st APRIL. W.W.R. stations. Post Day.
☉ N 4·8°. M 20h. 42m. J. P. Gassiot b. 1797, [d. 15 Aug. 1877].	*92. MONDAY, 2nd. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 5·2°. M 21h. 24m. 1617. Napier of Merchiston, inventor of logarithms, d. [b. 1550]. 1850. Royal Meteorological Society founded as British Meteorological Society.	93. TUESDAY, 3rd.
☉ N 5·6°. M 22h. 5m. 1114. River Thames, in London, so dry that children waded over between the bridges and the town.—(STOW).	*94. WEDNESDAY, 4th. Climatological stations. Schedule day.
☉ N 6·0°. M 22h. 46m. 25th March, Old Style, Lady Day and New Year's Day, 1700 to 1750.	95. THURSDAY, 5th. Obs.—Send curves and tabulations to complete month. Obs.—Met. work despatch day. Balloon Day.
☉ N 6·3°. M 23h. 29m. GOOD FRIDAY. 1580. Severe earthquake in London. 1909. Commander Peary, U.S.N., at the North Pole.	*96. FRIDAY, 6th. M.O.—Press closed.
☉ N 6·7°. Full Moon 13h. 49m. James Glaisher, b. 1809 [d. 7th Feb., 1903]. 1815. Tomboro eruption, April 7th-12th.	97. SATURDAY, 7th. Obs.—Close Journal, 16.

8TH APRIL TO 14TH APRIL 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	
\odot N 7.1°. M 0h. 14m. EASTER DAY.	SUNDAY, 8th APRIL. *98. W.W.R. stations. Post Day.
\odot N 7.5°. M 1h. 1m.	MONDAY, 9th. 99. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Press closed.
\odot N 7.8°. M 1h. 53m.	TUESDAY, 10th. *100. H.D.I.
\odot N 8.2°. M 2h. 47m. Alexander Buchan b. 1829, [d. 13 May, 1907]. Cold spell in Scotland, April 11th–14th (Borrowing Days)—BUCHAN.	WEDNESDAY, 11th. 101.
\odot N 8.6°. M 3h. 45m.	THURSDAY, 12th. *102. Obs.—Met. work despatch day. Sunshine stations. Summer Cards to be used from 13th April until 31st Aug.
\odot N 8.9°. M 4h. 43m.	FRIDAY, 13th. 103.
\odot N 9.3°. M 5h. 41m. (Last quarter 20h. 12m.)	SATURDAY, 14th. *104. Obs.—Close Journal, 17. S.

15TH APRIL TO 21ST APRIL, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	
\odot N 9.7°. M 4h. 38m. 1912. S.S. "Titanic" sunk by iceberg in Atlantic, 41° 16' N., 50° 14' W. James Clarke Ross b. 1800 [d. April 3, 1862].	SUNDAY, 15th APRIL. 105. W.W.R. stations. Post Day.
\odot N 10.0°. M 7h. 32m. 1682. John Hadley b. [d. 15 Feb., 1744]. 1786. Sir John Franklin born [d. 1847].	MONDAY, 16th. *106. Anemo. stations. Post Day. Baro. stations. Post Day.
\odot N 10.4°. M 8h. 24m.	TUESDAY, 17th. 107.
\odot N 10.7°. M 9h. 14m.	WEDNESDAY, 18th. *108.
\odot N 11.1°. M 10h. 4m.	THURSDAY, 19th. 109. Obs.—Met. work despatch day.
\odot N 11.4°. M 10h. 55m.	FRIDAY, 20th. *110.
\odot N 11.8°. M 11h. 47m. ● New Moon 14h. 1m.	SATURDAY, 21st. 111. Obs.—Close Journal, 18.

22ND APRIL TO 28TH APRIL, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ N 12° 1'. M 12h. 41m. 1884. Colchester Earthquake.	*112. SUNDAY, 22nd APRIL. W.W.R. stations. Post Day.
☉ N 12° 4'. M 13h. 36m. St. George. Thomas Robinson b. 1792 [d. 28 Feb. 1882].	113. MONDAY, 23rd. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 12° 8'. M 14h. 31m.	*114. TUESDAY, 24th. H.D.I.
☉ N 13° 1'. M 15h. 25m. St. Mark. William Reid b. 1791, [d. 31 Oct. 1858]. 1908. Great Snowfalls, Midlands and South.— (M.W.R.)	115. WEDNESDAY, 25th.
☉ N 13° 4'. M 16h. 18m. 1908. Great Snowfalls, Midlands and South.— (M.W.R.) 1916. Aeroplane height record.—H. G. Hawker, 7,200m. (23,622 feet).	*116. THURSDAY, 26th. Obs.—Met. work despatch day.
☉ N 13° 7'. M 17h. 7m.	117. FRIDAY, 27th.
☉ N 14° 1'. M 17h. 54m.	*118. SATURDAY, 28th. M.O.—W.W.R. App. I. Copy day. Obs.—Close Journal, 19.

29TH APRIL TO 5TH MAY, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ N 14° 4'. M 18h. 38m. ☾ First quarter 5h. 22m.	119. SUNDAY, 29th APRIL. M.O.—Geophysical Journal, February Copy day. W.W.R. stations. Post Day.
☉ N 14° 7'. M 19h. 19m. Karl Friedrich Gauss b. 1777, [d. 23 Feb., 1855].	*120. MONDAY, 30th. Anemo. stations. Post Day. Baro. stations. Post Day. Obs.—Close Journal, 20.
☉ N 15° 0'. M 20h. 0m. St. Philip and St. James. 1914. Millibars used for pressure and millimetres for rainfall in the Daily Weather Report.	121. TUESDAY, 1st MAY.
☉ N 15° 3'. M 20h. 41m.	*122. WEDNESDAY, 2nd.
☉ N 15° 6'. M 21h. 23m. 1698. A great deep snow all over England.— (LOWE.)	123. THURSDAY, 3rd. Obs.—Met. work despatch day. Balloon Day.
☉ N 15° 9'. M 22h. 7m. 1697. Thunderstorm at Hitchin, with hailstones 13 or 14 ins.; about 100,000 cartloads of hailstones.—(LOWE.)	*124. FRIDAY, 4th. Climatological stations. Schedule day.
☉ N 16° 2'. M 22h. 54m.	125. SATURDAY, 5th. Observatories send curves and tabulations to complete month. Obs.—Close Journal, 21.

6TH MAY TO 12TH MAY, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ N 16° 5'. M 23h. 45m. 1910. Accession of King George V.	*126. SUNDAY, 6th MAY. W.W.R. stations. Post Day.
☉ N 16° 7'. ☉ Full Moon 2h. 43m. 1902. La Soufrière, St. Vincent, in eruption.	127. MONDAY, 7th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 17° 0'. M 0h. 39m. 1902. Mont Pelée eruption, Martinique.	*128. TUESDAY, 8th. H.D.I.
☉ N 17° 3'. M 1h. 37m.	129. WEDNESDAY, 9th.
☉ N 17° 5'. M 2h. 37m.	*130. THURSDAY, 10th. Obs.—Met. work despatch day.
☉ N 17° 8'. M 3h. 36m. St. Mamertius.	131. FRIDAY, 11th.
☉ N 18° 1'. M 4h. 34m. St. Pancras. Approximate average date of commencement of cold spell at Kew (M.O. 154).*	*132. SATURDAY, 12th. Obs.—Close Journal, 22.

13TH MAY TO 19TH MAY, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ N 18° 3'. M 5h. 28m. ROGATION SUNDAY. St. Gervais.	133. SUNDAY, 13th MAY. W.W.R. stations. Post Day.
☉ N 18° 6'. M 6h. 20m. (Last quarter 1h. 48m. Gabriel Daniel Fahrenheit b. 1686 [d. 16 Sept. 1736].	*134. MONDAY, 14th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 18° 8'. M 7h. 10m. Henrik Mohn b. 1835 [d. 12 Sept. 1916]. Approximate average date of commencement of cold spell at Aberdeen and Falmouth (M.O. 154).	135. TUESDAY, 15th.
☉ N 19° 0'. M 7h. 59m.	*136. WEDNESDAY, 16th.
☉ N 19° 3'. M 8h. 48m. ASCENSION DAY. 1906. Valparaiso earthquake.	137. THURSDAY, 17th. Obs.—Met. work despatch day.
☉ N 19° 5'. M 9h. 38m. 1888. Thunderstorms over England and Scotland. Hail size of pigeon's egg, Glasgow. (Q.J.) 1906. San Francisco earthquake.	*138. FRIDAY, 18th.
☉ N 19° 7'. M 10h. 30m. St. Dunstan. 1888. Thunderstorms over England and Scotland. (Q.J.)	139. SATURDAY, 19th. Obs.—Close Journal, 23.

* One of the numbered publications of the Meteorological Office.

20TH MAY TO 26TH MAY, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 19° 9'. M 11h. 24m. 1916. Summer Time adopted. Railway and P.O. clocks moved forward one hour.	*140. SUNDAY, 20th MAY. W.W.R. stations. Post Day.
☉ N 20° 1'. M 12h. 19m. ● New Moon 0h. 47m.	141. MONDAY, 21st. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 20° 3'. M 13h. 14m. 1867. Snow on Derby day. (S.M. 1896).	*142. TUESDAY, 22nd. H.D.I.
☉ N 20° 5'. M 14h. 7m. 1867. M.O. Daily Charts begun.	143. WEDNESDAY, 23rd.
☉ N 20° 7'. M 14h. 59m. William Gilbert of Colchester b., 1545 [d. 30 Nov. 1603].	*144. THURSDAY, 24th. Obs.—Met. work despatch day.
☉ N 20° 9'. M 15h. 47m. St. Urban.	145. FRIDAY, 25th.
☉ N 21° 1'. M 16h. 32m. Birthday of Queen Mary.	*146. SATURDAY, 26th. Obs.—Close Journal, 24.

27TH MAY TO 2ND JUNE, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Last week of Spring Quarter.
☉ N 21° 2'. M 17h. 14m. WHITSUN DAY.	147. SUNDAY, 27th MAY. W.W.R. stations. Post Day.
☉ N 21° 4'. M 17h. 56m. ☾ First quarter 23h. 34m.	*148. MONDAY, 28th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Press closed.
☉ N 21° 6'. M 18h. 36m. 1914. S.S. "Empress of Ireland" sunk in St. Lawrence River.	149. TUESDAY, 29th.
☉ N 21° 7'. M 19h. 17m.	*150. WEDNESDAY, 30th.
☉ N 21° 9'. M 20h. 0m. 1905. First meeting of the Meteorological Committee. 1911. Thunderstorm at Epsom, 2.44 in. (62 mm.) rain in 50 m. (Derby Day). (W.W.R.)*	151. THURSDAY, 31st. M.O.—Geophysical Journal, March Copy day. Obs.—Close Journal, 25. Obs.—Met. work despatch day.
☉ N 22° 0'. M 20h. 45m. 1908. Thunder squall at Bushy, rain estimated at 275 in. (7 mm.) in two minutes. 1831. North magnetic pole located by J. C. Ross.	*152. FRIDAY, 1st JUNE. M.O.—Observer's Handbook. Copy day.
☉ N 22° 2'. M 21h. 34m.	153. SATURDAY, 2nd. Obs.—Close Journal, 26.

3RD JUNE TO 9TH JUNE, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	First week of Summer Quarter.
☉ N 22° 3'. M 22h. 27m. TRINITY SUNDAY. Birthday of King George V.	*154. SUNDAY, 3rd JUNE. Climatological stations. Schedule day. W.W.R. stations. Post Day.
☉ N 22° 4'. M 23h. 24m.	155. MONDAY, 4th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 22° 5'. ☉ Full Moon 13h. 7m.	*156. TUESDAY, 5th. Obs.—Send curves and Tabulations to complete month. H.D.I.
☉ N 22° 6'. M 0h. 25m. Robert Falcon Scott b. 1868, [d. 29th March, 1912]. 1912. Eruption of Katmai, Alaska. 1915. Hawker reached 18,393 ft. (5,606 m.) in an aeroplane.	157. WEDNESDAY, 6th.
☉ N 22° 7'. M 1h. 26m. Corpus Christi. 1892. Great Sangir in Eruption.	*158. THURSDAY, 7th. Obs.—Met. work despatch day. Balloon Day.
☉ N 22° 8'. M. 2h. 26m. St. Medard. 1783. Eruption of Skaptar Jökull.	159. FRIDAY, 8th.
☉ N 22° 9'. M 3h. 23m. 1886. Eruption of Tarawera.	*160. SATURDAY, 9th. Obs.—Close Journal, 27.

10TH JUNE TO 16TH JUNE, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 23° 0'. M 4h. 17m.	161. SUNDAY, 10th JUNE. W.W.R. stations. Post Day.
☉ N 23° 1'. M 5h. 7m. St. Barnabas.	*162. MONDAY, 11th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 23° 1'. M 5h. 57m. ☾ Last quarter 6h. 39m.	163. TUESDAY, 12th.
☉ N 23° 2'. M 6h. 45m. 1903. Beginning of 3 days' continuous rainfall in London.	*164. WEDNESDAY, 13th.
☉ N 23° 3'. M 7h. 34m. 1914. Remarkable thunderstorms with heavy rainfall, 1.23 in. (31 mm.) increasing to 1.88 in. (48 mm.) later at Wandsworth. Rainfall at Richmond Park 3.7 in. (94 mm.).	165. THURSDAY, 14th. M.O.—Quarterly issue of forms. Obs.—Met. work despatch day.
☉ N 23° 3'. M 8h. 25m. 1854. Department of Board of Trade initiated by Mr. Cardwell for Marine Meteorology. 1914. Severe thunderstorm with subsidence of streets at Paris.	*166. FRIDAY, 15th.
☉ N 23° 3'. M 9h. 17m. 1914. Thunderstorm, Bavaria. Damage by hail and floods.	167. SATURDAY, 16th. Obs.—Close Journal, 28.

17TH JUNE TO 23RD JUNE, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ N 23° 4'. M 10h. 10m. Third Earl of Rosse b. 1800, [d. 31 Oct., 1867]. 1913. Eruption of Asama-yama, Japan. 1914. Collision during fog between the liner "Kaiser Wilhelm II" and "Incemore" (Liver- pool) in the Channel.	*168. SUNDAY, 17th JUNE. W.W.R. stations. Post Day.
☉ N 23° 4'. M 11h. 5m. 1914. Thunderstorms in several parts of England and Scotland. Stranding of "Bülöw" near Portland, owing to fog. 1783. Eruption of Skaptar Jökull.	169. MONDAY, 18th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ 23° 4'. M 11h. 59m. ● New Moon 13h. 2m. St. Protais. 1914. Heavy local rainstorms in Scotland result- ing in a serious railway accident at Carr Bridge (Inverness). 1623. Blaise Pascal b. [d. 19 Aug. 1662].	*170. TUESDAY, 19th. H.D.I.
☉ N 23° 4'. M 12h. 51m.	171. WEDNESDAY, 20th.
☉ N 23° 4'. M 13h. 40m. Summer Solstice. Georg von Neumayer b. 1821, [d. 24 May, 1909].	*172. THURSDAY, 21st. Obs.—Met. work despatch day.
☉ N 23° 4'. M 14h. 26m.	173. FRIDAY, 22nd.
☉ N 23° 4'. M 15h. 10m. Birthday of Prince of Wales.	*174. SATURDAY, 23rd. Obs.—Close Journal, 29.

24TH JUNE TO 30TH JUNE, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ N 23° 4'. M 15h. 52m. St. John. Midsummer Day. 1035. Frost on Midsummer Day; so vehement that corn and fruit were destroyed.—(LOWE.) 1777. Sir John Ross b. [d. 30 Aug. 1856].	175. SUNDAY, 24th JUNE. W.W.R. stations. Post Day.
☉ N 23° 4'. M 16h. 32m.	*176. MONDAY, 25th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 23° 4'. M 17h. 13m. William Thomson, Lord Kelvin b. 1824 [d. 17 Dec., 1907].	177. TUESDAY, 26th.
☉ N 23° 3'. M 17h. 54m. ☽ First quarter 16h. 8m. 1914. H. Bier with a passenger reached a height of 6,170 m. (20,243 feet) in an aeroplane.	*178. WEDNESDAY, 27th.
☉ N 23° 3'. M 18h. 37m.	179. THURSDAY, 28th. Obs.—Met. work despatch day.
☉ N 23° 3'. M 19h. 23m. S.S. Peter and Paul.	*180. FRIDAY, 29th.
☉ N 23° 2'. M 20h. 13m. 1879. First issue of forecasts during Harvest season.	181. SATURDAY, 30th. Observatories— Close Journal, 30. Electrical Work, 1914. 1st Quarter day. Day for delivery of Magnetic Material for Hourly Values (Year Book, Pt. IV. 2, 1914). M.O.—Geophysical Journal, April Copy day.

1ST JULY TO 7TH JULY, 1917.

Astronomical and Historical Notes.	Diary
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	
\odot N 23.1°. M 21h. 8m. 1910. Administration of Kew and Eskdale observatories transferred to M.O.	SUNDAY, 1st JULY. *182. M.O.—Codes of Signals. Copy day. W.W.R. stations. Post Day.
\odot N 23.1°. M 22h. 7m.	MONDAY, 2nd. 183. Anemo. stations. Post Day. Baro. stations. Post Day.
\odot N 23.0°. M 23h. 8m. Dog Days, July 3–Aug. 11.	TUESDAY, 3rd. *184.
\odot N 22.9°. Full Moon 21h. 41m. St. Martin Bullion.	WEDNESDAY, 4th. 185. Climatological stations. Schedule day.
\odot N 22.8°. M 0h. 10m. Admiral Robert FitzRoy b. 1805, [d. 30 April, 1865]. 1868. Issue of lithographed copies of Daily Weather Report on Sundays begun (see 12 Jan.)	THURSDAY, 5th. *186. Obs.—Send curves and tabulations to complete month. Obs.—Met. work despatch day. Balloon Day.
\odot N 22.7°. M 1h. 11m. William Clement Ley b. 1840, [d. 22 April, 1896].	FRIDAY, 6th. 187.
\odot N 22.6°. M 2h. 7m. 1558. "Marvellous tempest of thunder" near Nottingham. Hailstones 15 in. in circumference.—(LOWE.)	SATURDAY, 7th. *188.

8TH JULY TO 14TH JULY, 1917.

Astronomical and Historical Notes.	Diary
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	
\odot N 22.5°. M 3h. 1m. 1893. Thunder and hailstorms over England and S. Scotland. Hailstones 6–7 in. in circumference fell at Richmond, Yorks.—(Q.J.) 1892. Mt. Etna in eruption. 1905. Kashgar earthquake.	SUNDAY, 8th JULY. 189. W.W.R. stations. Post Day.
\odot N 22.4°. M 3h. 52m. George Howard Darwin b. 1845, [d. 7 Dec, 1912]. 1877. Administration of the Office transferred from the Meteorological Committee of the Royal Society to the Meteorological Council. 1892. Mt. Etna in eruption.	MONDAY, 9th. *190. Anemo. stations. Post Day. Baro. stations. Post Day.
\odot N 22.3°. M 4h. 42m.	TUESDAY, 10th. 191. H.D.I.
\odot N 22.2°. M 5h. 32m. Last quarter 12h. 12m. 1855. Scottish Meteorological Society founded.	WEDNESDAY, 11th. *192.
\odot N 22.0°. M 6h. 22m. 1901. Heavy rainfall at Maidenhead, 3.63 in. (92 mm.) in 1 hour. 1905. Final meeting of the Meteorological Council.	THURSDAY, 12th. 193. Obs.—Met. work despatch day.
\odot N 21.9°. M 7h. 13m.	FRIDAY, 13th. *194.
\odot N 21.7°. M 8h. 6m. S.S. Processus and Martinian. 1875. Heavy rainfall over Monmouthshire, 5 in. (127 mm.) in 24 hrs.	SATURDAY, 14th. 195. M. S. Obs.—Close Journal, 32.

15TH JULY TO 21ST JULY, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 21° 6'. M 9h. 0m. St. Swithin. 1881. Beginning of four days' spell of very hot weather over England S.E., 97° 6' F. (309a) at Greenwich, 95° F. (308a) at Camden Square; and with abnormal exposure, 101° F. (311a) at Alton, Hants. 100° F. (311a) at Alderbury, Salisbury.—(S.M.) 1888. Bandai San in eruption.	*196. SUNDAY, 15th JULY. W.W.R. stations. Post Day.
☉ N 21° 4'. M 9h. 53m.	197. MONDAY, 16th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 21° 3'. M 10h. 45m. 1666. "Hailstorm in Suffolk. Hailstones 9 in., 8 in., 12 in. At Friston Hall, one weighed 12s. 6d."—(LOWE.)	*198. TUESDAY, 17th.
☉ N 21° 1'. M 11h. 35m.	199. WEDNESDAY, 18th.
☉ N 20° 9'. M 12h. 23m. ● New Moon 3h. 0m.	*200. THURSDAY, 19th. Obs.—Met. work despatch day.
☉ N 20° 7'. M 13h. 7m. St. Margaret. St. Jacob.	201. FRIDAY, 20th.
☉ N 20° 5'. M 13h. 49m.	*202. SATURDAY, 21st. Obs.—Close Journal, 33.

22ND JULY TO 28TH JULY, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 20° 4'. M 14h. 30m. St. Mary Magdalene. 1868. 96° 6' F. (309a) at Greenwich. 100° 5' F. (311a) at Tonbridge.	203. SUNDAY, 22nd JULY. W.W.R. stations. Post Day.
☉ N 20° 2'. M 15h. 10m.	*204. MONDAY, 23rd. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 19° 9'. M 15h. 51m. Sir Richard Strachey b. 1817, [d. 12 Feb., 1908].	205. TUESDAY, 24th. H.D.I.
☉ N 19° 7'. M 16h. 32m. St. James.	*206. WEDNESDAY, 25th.
☉ N 19° 5'. M 17h. 16m.	207. THURSDAY, 26th. Obs.—Met. work despatch day.
☉ N. 19° 3'. M 18h. 3m. ☽ First quarter 6h. 40m. Sir George Biddell Airy b. 1801 [d. 2 Jan. 1892].	*208. FRIDAY, 27th.
☉ N 19° 1'. M 18h. 55m. 1911. Thunderstorm and "record" wind at South Kensington, 1' 1 in. (28 mm.) of rain in 15 mins. Gust, 24' 1 m/s (54 mi/hr), at 17h. 16m.	209. SATURDAY 28th. Obs.—Close Journal, 34.

29TH JULY TO 4TH AUGUST, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 18° 8'. M 19h. 50m. 1588. Spanish Armada finally dispersed by a storm.	*210. SUNDAY, 29th JULY. M.O.—W.W.R. App. I. Copy day. W.W.R. stations. Post Day.
☉ N 18° 6'. M 20h. 49m.	211. MONDAY, 30th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 18° 4'. M 21h. 51m. John Milne d. 1913 [b. 1850]. 1901. Berson's highest manned balloon ascent, Berlin (more than 10,300m.).	*212. TUESDAY, 31st. M.O.—Geophysical Journal. May Copy day. Calendar Copy Day. Obs.—Close Journal, 35.
☉ N 18° 1'. M 22h. 52m. Lammas Day. 1861. Weather forecasts first issued by Admiral FitzRoy in this month. 1910. First report by radiotelegraphy from Gibraltar.	213. WEDNESDAY, 1st AUGUST.
☉ N 17° 9'. M 23h. 51m. 1829. Great floods commenced in Moray. (See Account by Sir Thomas Dick Lauder.) 1906. Exceptionally destructive hailstorm over the east Midland Counties: value of uninsured crops destroyed estimated at £55,000.—(M.W.R.)*	*214. THURSDAY, 2nd. Obs.—Met. work despatch day. Balloon Day.
☉ N 17° 6'. Full Moon 5h. 11m. 1879. Destructive hailstorm at Kew.	215. FRIDAY, 3rd.
☉ N 17° 3'. M 0h. 47m. 1577. "Exceeding great and terrible tempeste" at Bungay, near Norwich.—(LOWE.)	*216. SATURDAY, 4th. Climatological stations. Schedule day. Obs.—Close Journal, 36.

* Monthly Weather Report.

5TH AUGUST TO 11TH AUGUST, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 17° 1'. M 1h. 42m.	217. SUNDAY, 5th AUGUST. Send curves and tabulations to complete month. W.W.R. stations. Post Day.
☉ N 16° 8'. M 2h. 34m. George James Symons b. 1838, [d. 10 Mar., 1900]. 1857. 9½ in. of rainfall at Scarborough.	*218. MONDAY, 6th. M.O.—Press closed. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 16° 5'. M 3h. 25m. Elias Loomis b. 1811, [d. 14 Aug., 1889].	219. TUESDAY, 7th. H.D.I.
☉ N 16° 2'. M 4h. 17m. 1851. First printed Daily Weather Map issued at the Great Exhibition.—(S.M.)	*220. WEDNESDAY, 8th.
☉ N 16° 0'. M 5h. 9m. (Last quarter 19h. 56m. 1911. Hottest day on record in London, 100° F. (311a) at Greenwich (Glaisher screen); 97° F. (309a) at South Kensington. 1912. Earthquake, Sea of Marmora.	221. THURSDAY, 9th. Obs.—Met. work despatch day.
☉ N 15° 7'. M 6h. 2m. St. Lawrence. 1675. Greenwich Observatory founded.	*222. FRIDAY, 10th.
☉ N 15° 4'. M 6h. 56m.	223. SATURDAY, 11th. Obs.—Close Journal, 37.

12TH AUGUST TO 18TH AUGUST, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 15° 1'. M 7h. 50m.	*224. SUNDAY, 12th AUGUST. W.W.R. stations. Post Day.
☉ N 14° 8'. M 8h. 42m. Sir G. G. Stokes b. 1819 [d. 2 Feb., 1903].	225. MONDAY, 13th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 14° 5'. M 9h. 32m.	*226. TUESDAY, 14th.
☉ N 14° 2'. M 10h. 20m. Assumption.	227. WEDNESDAY, 15th.
☉ N 13° 8'. M 11h. 5m. 1887. Beginning of two days' thunderstorm over the metropolis.—(S.M.)	*228. THURSDAY, 16th. M.O.—Half-yearly issue of cards to Sunshine stations. Obs.—Met. work despatch day.
☉ N 13° 5'. M 11h. 48m. ● New Moon 18h. 21m.	229. FRIDAY, 17th.
☉ N 13° 2'. M 12h. 29m.	*230. SATURDAY, 18th. Obs.—Close Journal, 38.

19TH AUGUST TO 25TH AUGUST, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 12° 9'. M 13h. 10m.	231. SUNDAY, 19th AUGUST. W.W.R. stations. Post Day.
☉ N 12° 6'. M 13h. 50m.	*232. MONDAY, 20th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 12° 2'. M 14h. 31m.	233. TUESDAY, 21st. H.D.I.
☉ N 11° 9'. M 15h. 14m.	*234. WEDNESDAY, 22nd.
☉ N 11° 6'. M 15h. 59m. 1853. First meeting of Maritime Conference at Brussels.	235. THURSDAY, 23rd. Obs.—Met. work despatch day.
☉ N 11° 2'. M 16h. 47m. St. Bartholomew. 79. Eruption of Vesuvius.	*236. FRIDAY, 24th.
☉ N 10° 9'. M 17h. 40m. D First quarter 19h. 8m. 1905. Great rainfall in east Ireland.	237. SATURDAY, 25th. Obs.—Close Journal, 39.

26TH AUGUST TO 1ST SEPTEMBER, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	Last week of Summer Quarter.
\odot N $10^{\circ}5'$. M 18h. 36m. 1883. Krakatoa eruption. 1912. Flood rainfall in East Anglia. More than 8 in. (203 mm.) rain near Norwich. (Q.J. Vol. XXXIX.)	*238. SUNDAY, 26th AUGUST. W.W.R. stations. Post Day.
\odot N $10^{\circ}2'$. M 19h. 34m. 1883. Krakatoa eruption.	239. MONDAY, 27th. Anemo. stations. Post Day. Baro. stations. Post Day.
\odot N $9^{\circ}8'$. M 20h. 33m. 1859. Magnetic Storm.	*240. TUESDAY, 28th.
\odot N $9^{\circ}5'$. M 21h. 32m.	241. WEDNESDAY, 29th.
\odot N $9^{\circ}1'$. M 22h. 30m. 55 B.C. Violent gale. Great damage to Julius Caesar's Fleet. (Date calculated by Halley.)—(LOWE.)	*242. THURSDAY, 30th. Obs.—Met. work despatch day.
\odot N $8^{\circ}8'$. M 23h. 35m. 1848. Publication in the "Daily News" of the earliest known telegraphic Daily Weather Report. (Q.J.)	243. FRIDAY, 31st. M.O. Geophysical Journal, June Copy day. Obs.—Close Journal, 40. Sunshine stations. Equinoctial Cards (straight) to be used from Sept. 1st and until 12th October.
\odot N $8^{\circ}4'$. \bigcirc Full Moon 12h. 29m.	*244. SATURDAY, 1st SEPTEMBER. Obs.—Close Journal, 41.

2ND SEPTEMBER TO 8TH SEPTEMBER, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	First week of Autumn Quarter.
\odot N $8^{\circ}0'$. M 0h. 19m. 1859. Magnetic Storm.	245. SUNDAY, 2nd SEPTEMBER. W.W.R. stations. Post Day.
\odot N $7^{\circ}7'$. M 1h. 12m. 1860. First Telegraphic Daily Weather Report prepared at the Meteorological Department.	*246. MONDAY, 3rd. Anemo. stations. Post Day. Baro. stations. Post Day.
\odot N $7^{\circ}3'$. M 2h. 5m.	247. TUESDAY, 4th. Climatological stations. Schedule day. H.D.I.
\odot N $6^{\circ}9'$. M 2h. 59m. 1862. Mr. Glaisher and Mr. Coxwell ascended in a balloon from Wolverhampton to an altitude estimated at 7 miles above the earth.	*248. WEDNESDAY, 5th. Obs.—Send curves and tabulations to complete month.
\odot N $6^{\circ}6'$. M 3h. 54m. Hurricane devastated Guadeloupe. Barometer fell 57 mb. in 70 m. (Buchan, p. 266). 1766. John Dalton b., [d. 27 July 1844].	249. THURSDAY, 6th. Obs.—Met. work despatch day. Balloon Day.
\odot N $6^{\circ}2'$. M 4h. 49m.	*250. FRIDAY, 7th.
\odot N $5^{\circ}8'$. M 5h. 44m. \bigcirc Last quarter 7h. 5m. 1692. Earthquake in London and Home Counties (Burton's General History of Earthquakes).	251. SATURDAY, 8th. Obs.—Close Journal, 42.

9TH SEPTEMBER TO 15TH SEPTEMBER, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 5.4°. M 6h. 38m.	*252. SUNDAY, 9th SEPTEMBER. W.W.R. stations. Post Day.
☉ N 5.1°. M 7h. 29m. 1903. Beginning of two days' Circular Storm: wind velocity 28.6 m/s (64 mi/hr). Scilly.	253. MONDAY, 10th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ N 4.7°. M 8h. 18m.	*254. TUESDAY, 11th.
☉ N 4.3°. M 9h. 3m.	255. WEDNESDAY, 12th.
☉ N 3.9°. M 9h. 47m.	*256. THURSDAY, 13th. M.O.—Quarterly issue of forms. Obs.—Met. work despatch day.
☉ N 3.5°. M 10h. 29m. Alexander von Humboldt b. 1769, [d. 6 May, 1859]. 1752. "New Style" introduced in England. 14th followed 2nd September. 1914. Maximum hourly mean velocity, Southport, 29.1 m/s (67 mi/hr).	257. FRIDAY, 14th.
☉ N 3.2°. M 11h. 9m. 1784. First balloon ascent made in England (Artillery Ground, Moorfields) by Lunardi.	*258. SATURDAY, 15th. Obs.—Close Journal, 43.

16TH SEPTEMBER TO 22ND SEPTEMBER, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ N 2.8°. M 11h. 50m. ● New Moon 10h. 28m. 1863. First Daily Weather Map for Europe issued by Leverrier.	259. SUNDAY, 16th SEPTEMBER. W.W.R. stations. Post Day.
☉ N 2.4°. M 12h. 31m.	*260. MONDAY, 17th. Anemo. stations. Post Day. Baro. stations. Post day.
☉ N 2.0°. M 13h. 13m.	261. TUESDAY, 18th. H.D.I.
☉ N 1.6°. M 13h. 57m.	*262. WEDNESDAY, 19th.
☉ N 1.2°. M 14h. 45m.	263. THURSDAY, 20th. Obs.—Met. work despatch day.
☉ N 0.8°. M 15h. 35m. St. Matthew.	*264. FRIDAY, 21st.
☉ N 0.4°. M 16h. 29m. 1885. Bar. 27.135 in. (917 mb.), at False Point, Orissa [reduced to sea level and temp. 32° F.]. —(Q.J.)	265. SATURDAY, 22nd. Obs.—Close Journal, 44.

23RD SEPTEMBER TO 29TH SEPTEMBER, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	
\odot N $0^{\circ}1'$. M 17h. 25m. Autumnal equinox, James Horsburgh b. 1762, [d. 14 May, 1836].	*266. SUNDAY, 23rd SEPTEMBER. W.W.R. stations. Post Day.
\odot S $0^{\circ}3'$. M 18h. 22m. D First quarter 5h. 41m.	267. MONDAY, 24th. Anemo. stations. Post Day. Baro. stations. Post Day.
\odot S $0^{\circ}7'$. M 19h. 19m. 1909. Magnetic Storm. 1905. Barometer 27.171 in. (918 mb.), on board s.s. "Pathfinder" $12^{\circ}10'N$, $125^{\circ}31'E$.— (Q.J. 1909).	*268. TUESDAY, 25th.
\odot S $1^{\circ}1'$. M 20h. 15m.	269. WEDNESDAY, 26th.
\odot S $1^{\circ}5'$. M 21h. 9m.	*270. THURSDAY, 27th. Obs.—Met. work despatch day.
\odot S $1^{\circ}9'$. M 22h. 3m.	271. FRIDAY, 28th.
\odot S $2^{\circ}3'$. M 22h. 56m. Michaelmas Day.	*272. SATURDAY, 29th. Obs.—Close Journal, 45.

30TH SEPTEMBER TO 6TH OCTOBER, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	
\odot S $2^{\circ}7'$. M 23h. 49m. \odot Full Moon 20h. 31m. 1867. First Thermograph record from Kew. Indian Summer, North America, begins. 1916. Summer Time ended. P.O. and Railway clocks put back one hour.	273. SUNDAY, 30th SEPTEMBER. Observatories— Close Journal, 46. Elect. work, 2nd Quarter day. Calendar. Proof day. W.W.R. stations. Post Day. M.O.—Geophysical Journal, July Copy day.
\odot S $3^{\circ}1'$. 1904. Ben Nevis Observatory closed. 1866. Bahamas. Barometer fell 24 mb. in an hour. —(BUCHAN.)	*274. MONDAY, 1st OCTOBER. Anemo. stations. Post Day. Baro. stations. Post Day.
\odot S $3^{\circ}5'$. M 0h. 44m.	275. TUESDAY, 2nd.
\odot S $3^{\circ}8'$. M 1h. 39m.	*276. WEDNESDAY, 3rd.
\odot S $4^{\circ}2'$. M 2h. 36m. 1696. At Bungay, Suffolk, rain began towards night and continued without intermission (except a few hours on the 6th) till the 10th at noon.—(LOWE.)	277. THURSDAY, 4th. Climatological stations. Schedule day. Obs.—Met. work despatch day. Balloon day.
\odot S $4^{\circ}6'$. M 3h. 33m. 1091. S.W. gale over most of England. In London 500 houses were destroyed.—(LOWE.)	*278. FRIDAY, 5th. Obs.—Send curves and tabulations to complete month.
\odot S $5^{\circ}6'$. M 4h. 29m. Heinrich Wilhelm Dove b. 1803, [d. 4 Apr. 1879]. 1863. Hereford earthquake. (Q.J.)	279. SATURDAY, 6th. Obs.—Close Journal, 47.

7TH OCTOBER TO 13TH OCTOBER, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ S 5.4°. M 5h. 22m. ☾ Last quarter 22h. 14m.	*280. SUNDAY, 7th OCTOBER. W.W.R. stations. Post Day.
☉ S 5.8°. M 6h. 13m.	281. MONDAY, 8th. Anemo stations. Post Day. Baro. stations. Post Day.
☉ S 6.1°. M 7h. 0m.	*282. TUESDAY, 9th. H.D.I.
☉ S 6.5°. M 7h. 44m. Henry Cavendish b. 1731, [d. 10th March, 1810]. Buys Ballot b. 1817, [d. 3rd Feb., 1890].	283. WEDNESDAY, 10th.
☉ S 6.9°. M 8h. 27m.	*284. THURSDAY, 11th. Obs.—Met. work despatch day.
☉ S 7.3°. M 9h. 8m.	285. FRIDAY, 12th. Sunshine stations. Winter cards to be used from 13th Oct. and until 28th Feb., 1918.
☉ S 7.7°. M 9h. 48m. 1881. Two days' gale over British Isles began.	*286. SATURDAY, 13th. Obs.—Close Journal. 48,

14TH OCTOBER TO 20TH OCTOBER, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ S 8.0°. M 10h. 29m. Sir Edward Sabine b. 1788 [d. 26th June, 1883]. 1881. Gale ended. Greatest hourly wind velocity 23.3 m/s (52 mi/hr), Holyhead.	287. SUNDAY, 14th OCTOBER. W.W.R. stations. Post Day.
☉ S 8.4°. M 11h. 11m. 1582. New Style introduced in Rome, Spain, Portugal, and part of Italy by Pope Gregory XIII. when the 15th October followed the 5th.	*288. MONDAY, 15th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 8.8°. M 11h. 55m. ☾ New Moon 2h. 41m. 1906. Daily telegraphic reports first received at the Office from Iceland and the Faroe Is.	289. TUESDAY, 16th.
☉ S 9.1°. M 12h. 42m. 1883. Ben Nevis Observatory opened.	*290. WEDNESDAY, 17th
☉ S 9.5°. M 13h. 32m. St. Luke.	291. THURSDAY, 18th. Obs.—Met. work despatch day.
☉ S 9.9°. M 14h. 25m.	*292. FRIDAY, 19th.
☉ S 10.2°. M 15h. 20m.	293. SATURDAY, 20th. Obs.—Close Journal, 49.

21ST OCTOBER TO 27TH OCTOBER, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M. Last week of Wheat-growing period Western Australia. (Meteorological Map, Western Australia 1908.)	Diary.
☉ S 10° 6'. M 16h. 17m.	*294. SUNDAY, 21st OCTOBER. W.W.R. stations. Post Day.
☉ S 10° 9'. M 17h. 12m. Henry Toynbee b. 1819, [d. 29th March, 1909].	295. MONDAY, 22nd. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.
☉ S 11° 3'. M 18h. 7m. ☾ First quarter 14h. 38m. Greatest hourly wind velocity of 1909, 31·3 m/s (70 mi/hr), strongest gust, 40·2 m/s (90 mi/hr), Scilly.	*296. TUESDAY, 23rd. H.D.I.
☉ S 11° 7'. M 19h. 0m. 1902. Santa Maria eruption.	297. WEDNESDAY, 24th.
☉ S 12° 0'. M 19h. 52m. 1665. Great gale in London [see 26th]. 1859. 25th–26th, "Royal Charter" storm, Irish Sea.	*298. THURSDAY, 25th. Obs.—Met. work despatch day.
☉ S 12° 3'. M 20h. 43m. 1665. "In the evening [bar. in London] very near at 27½ ins., wind quiet."— <i>Phil. Trans.</i> In the morning it had been 28 ins. and on the day before 28½ ins. in the morning, with much rain and a great storm. "At Bristol [bar.] in the evening remarkably low, only 27½ ins.; 25th, a.m., 28½, 26th, a.m., 28 ins. (sea level)."—DR. BEAL. (LOWE.)	299. FRIDAY, 26th.
☉ S 12° 7'. M 21h. 35m. 1913. Tornadoes in South Wales and Shropshire. (G.M.)*	*300. SATURDAY, 27th. Obs.—Close Journal, 50.

* Geophysical Memoirs.

28TH OCTOBER TO 3RD NOVEMBER, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ S 13° 0'. M 22h. 28m. St. Simon and St. Jude.	301. SUNDAY, 28th OCTOBER. M.O.—W.W.R. App. I. Copy day. W.W.R. stations. Post Day.
☉ S 13° 4'. M 23h. 32m. Edmund Halley b. 1656, [d. 14th Jan. 1724]. 1898. Tornado at Camberwell. (Q.J.)	*302. MONDAY, 29th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 13° 7'. ☾ Full Moon 6h. 19m. 1868. Hereford earthquake. (S.M.)	303. TUESDAY 30th.
☉ S 14° 0'. M 0h. 19m.	*304. WEDNESDAY, 31st. M.O.—Geophysical Journal, August Copy day. Circular 001. Copy day. Obs.—Close Journal, 51.
☉ S 14° 3'. M 1h. 17m. All Hallows. Balfour Stewart b. 1828, [d. 19 Dec. 1887]. 1076. Frost lasted from 1st November, to 15th April, 1077.—(ANDREWS.) 1755. Great Earthquake of Lisbon.	305. THURSDAY, 1st NOVEMBER. Obs.—Met. work despatch day. Balloon Day.
☉ S 14° 7'. M 2h. 15m. Henry John Stephen Smith b. 1826, [d. 9 Feb. 1883].	*306. FRIDAY, 2nd.
☉ S 15° 0'. M 3h. 11m.	307. SATURDAY, 3rd. Obs.—Close Journal, 52.

4TH NOVEMBER TO 10TH NOVEMBER, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary. Upper Air—Short Series.
☉ S 15° 3'. M 4h. 4m.	*308. SUNDAY, 4th NOVEMBER. Climatological stations.— Schedule day. W.W.R. stations. Post Day. Obs.—Send Curves and tabu- lations to complete month.
☉ S 15° 6'. M 4h. 53m. Léon Philippe Teisserenc de Bort b. 1855, [d. 2 Jan. 1913]. Strongest gust of 1911, 40·2 m/s (90 mi/hr), Eskdalemuir.	309. MONDAY, 5th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.
☉ S 15° 9'. M 5h. 39m. ☾ Last quarter 17h. 4m. 1091. Flood. London Bridge swept away by the force of the waters.—(LOWE.)	*310. TUESDAY, 6th. H.D.I.
☉ S 16° 2'. M 6h. 23m. 1862. First Barograph record from Kew.	311. WEDNESDAY, 7th.
☉ S 16° 5'. M 7h. 4m.	*312. THURSDAY, 8th. Obs.—Met. work despatch day.
☉ S 16° 8'. M 7h. 45m.	313. FRIDAY, 9th.
☉ S 17° 1'. M 8h. 25m. 1852. Welsh's balloon ascent, 22,930 feet.	*314. SATURDAY, 10th. Obs.—Close Journal, 53.

11TH NOVEMBER TO 17TH NOVEMBER, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ S 17° 3'. M 9h. 8m. Martinmas. 1901. Beginning of three days' slow travelling depression with heavy rainfall. (L.H.)†	315. SUNDAY, 11th NOVEMBER. W.W.R. stations. Post Day.
☉ S 17° 6'. M 9h. 50m. 1897. 8·03 in. (204 mm.) rain at Seathwaite.	*316. MONDAY, 12th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 17° 9'. M 10h. 37m. 1901. End of slow travelling depression. Total average rainfall, 4 in. (102 mm.).	317. TUESDAY, 13th.
☉ S 18° 2'. M 11h. 26m. ● New Moon 18h. 29m. 1854. Balaklava storm. 1896. First International balloon ascents.	*318. WEDNESDAY, 14th.
☉ S 18° 4'. M 12h. 19m.	319. THURSDAY, 15th. Obs.—Met. work despatch day.
☉ S 18° 7'. M 13h. 15m. 1893. Beginning of five days' great storm over the British Isles: wind velocity, 21 m/s. (47 mi/hr), Holyhead. 1878. Greatest flood in Norwich since 1646 [in which year it occurred on Nov. 15]. Woodward, Geol. Survey Memoir.	*320. FRIDAY, 16th.
☉ S 18° 9'. M 14h. 12m. Fourth Earl of Rosse b. 1840, [d. 30 Aug. 1908]. 1893. 9 p.m., wind velocity of 31·3 m/s (70 mi/hr), Deerness.	321. SATURDAY, 17th. Obs.—Close Journal, 54.

† Life History of Surface Air Currents, M.O. Publication 174.

18TH NOVEMBER TO 24TH NOVEMBER, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
☉ S 19° 2'. M 15h. 8m. 1893. Wind velocity of 29·5 m/s (66 mi/hr), Fleetwood.	*322. SUNDAY, 18th NOVEMBER. W.W.R. stations. Post Day.
☉ S 19° 4'. M 16h. 3m. 1893. Wind velocity of 22·8 m/s (51 mi/hr), Holyhead.	323. MONDAY, 19th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.
☉ S 19° 6'. M 16h. 57m. 1893. Wind velocity of 21 m/s (47 mi/hr), Yarmouth.	*324. TUESDAY, 20th. H.D.I.
☉ S 19° 9'. M 17h. 48m. D First Quarter 20h. 29m.	325. WEDNESDAY, 21st.
☉ S 20° 1'. M 18h. 38m. 1879. Frost from November 22nd to February 2nd, 1880.—(ANDREWS.)	*326. THURSDAY, 22nd. Obs.—Met. work despatch day.
☉ S 20° 3'. M 19h. 27m.	327. FRIDAY, 23rd.
☉ S 20° 5'. M 20h. 19m. 1433. River frozen below London Bridge to Gravesend, from November 24th, to February 10th, 1434.—(LOWE.) 1715. Fair on the river Thames. Frost lasted till February 9th, 1716.—(LOWE.)	*328. SATURDAY, 24th. Obs.—Close Journal, 55.

25TH NOVEMBER TO 1ST DECEMBER, 1917.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary. Last week of Autumn Quarter.
☉ S 20° 7'. M 21h. 10m. 1890. Frost commenced and continued almost uninterruptedly until Jan. 22nd, 1891.—(Q.J., 1901.)	329. SUNDAY, 25th NOVEMBER. W.W.R. stations. Post Day.
☉ S 20° 9'. M 22h. 4m. 1703. Defoe's Great Storm, South of England.— (Phil. Trans.)	*330. MONDAY, 26th. Anemo. stations. Post Day. Baro. stations. Post Day.
☉ S 21° 1'. M 23h. 1m. Anders Celsius b. 1701, [d. 25 April, 1744].	331. TUESDAY, 27th.
☉ S 21° 3'. M 23h. 59m. Full Moon 18h. 41m. Luke Howard b. 1772, [d. 21 March, 1864].	*332. WEDNESDAY, 28th.
☉ S 21° 4'.	333. THURSDAY, 29th. Obs.—Met. Work despatch Day.
☉ S 21° 6'. M 0h. 56m. St. Andrew. 1269. Frost lasted from November 30th, to February 2nd, 1270.—(ANDREWS.)	*334. FRIDAY, 30th. M.O.—Geophysical Journal, September Copy day. Obs.—Close Journal, 56.
☉ S 21° 8'. M 1h. 51m. 1662. River Thames partially frozen over. "In this frost skates were introduced into England from Holland."—(LOWE.)	335. SATURDAY, 1st DECEMBER. Issue to Fishery Barometer Stations of Forms 335 and 073. Obs.—Close Journal, 57.

2ND DECEMBER TO 8TH DECEMBER, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	First week of Winter Quarter.
☉ S 21.9°. M 2h. 43m. 1ST SUNDAY IN ADVENT.	*336. SUNDAY, 2nd DECEMBER. W.W.R. stations. Post Day.
☉ S 22.1°. M 3h. 31m. 1909. "Ellan Vannin" storm. Irish Sea. Cleveland Abbe b. 1838 [d. October, 1916].	337. MONDAY, 3rd. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.
☉ S 22.2°. M 4h. 16m. 1879. -18° F. (245a) at Killoe House, and -23° F. (242.4a), (2 ft. from ground) at Blackadder, both in Berwickshire.—(Q.J. Vol. VI.) 913. Temperature at 16 k. over Batavia 182a.	*338. TUESDAY, 4th. Climatological stations. Schedule day. H.D.I.
☉ S 22.3°. M 4h. 59m.	339. WEDNESDAY, 5th. Observatories—Send curves and tabulations to complete the month.
☉ S 22.5°. M 5h. 40m. ☾ Last quarter 14h. 14m. 1353. Frost lasted from December 6th, to March 12th, 1354.—(ANDREWS.) 1913. Eruption of Mt. Benbow, New Hebrides.	*340. THURSDAY, 6th. Obs.—Met. work despatch day. Balloon Day.
☉ S 22.6°. M 6h. 20m. 1866. Suspension of the issue of "Cautionary Storm Warnings" by the Meteorological De- partment of the Board of Trade. Greatest hourly wind velocity of 1911, 28.6 m/s (64 mi/hr), Scilly. 1912. Highest sounding with registering balloon, Pavia, 37,700 metres (23½ miles).—(La Nature, No. 2,068, 11 Jan., 1913.)	341. FRIDAY, 7th.
☉ S 22.7°. M 7h. 1m. 1886. Beginning of two days' storm and low barometer over the British Islands; 27.38 in. (928 mb.), at Belfast.—(Q.J.)	*342. SATURDAY, 8th. Obs.—Close Journal, 58.

9TH DECEMBER TO 15TH DECEMBER, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 22.8°. M 7h. 43m. 1678-9. Frost until Feb. 9 with one remission.— (WALFORD.)	343. SUNDAY, 9th DECEMBER. W.W.R. Stations. Post Day.
☉ S 22.9°. M 8h. 28m. 1149. Frost lasted from December 10th to February 19th, 1150.—(ANDREWS.) 1881. Loss of balloon "Saladin" with Mr. Walter Powell, M.P.—(Annual Report, 1881-82.)	*344. MONDAY, 10th. Anemo. Stations. Post Day. Baro. stations. Post Day.
☉ S 23.0°. M 9h. 16m.	345. TUE-DAY, 11th.
☉ S 23.1°. M 10h. 8m. Strongest gust of 1906, 38.4 m/s (86 mi/hr), Scilly.	*346. WEDNESDAY, 12th.
☉ S 23.1°. M 11h. 3m. Johann von Lamont b. 1805, [d. 6 Aug. 1879].	347. THURSDAY, 13th. M.O.—Quarterly issue of forms. Issue to stations of register forms for 1917 to be completed. Obs.—Met. work despatch day.
☉ S 23.2°. M 12h. 1m. ☾ New Moon 9h. 17m. Greatest hourly wind velocity of 1907, 27.3 m/s (61 mi/hr), Fleetwood.	*348. FRIDAY, 14th.
☉ S 23.3°. M 12h. 59m. 1570. Snow the like of which was not known in memory of man.—(Geol. Mem) 1888. Mayou eruption, Philippine Islands.	349. SATURDAY, 15th. Obs.—Close Journal, 59.

16TH DECEMBER TO 22ND DECEMBER, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
<p>☉ S 23° 3'. M 13h. 57m. Greatest hourly wind velocity of 1910, 28·2 m/s (63 mi/hr), strongest gust 38 m/s (85 mi/hr), Pendennis. 1877. "Barometer 31·72 in. at Semipalatinsk" (1046 mb. station level reduced to 1081 mb. sea level). "Barometer 31·6 in. at Barnaul." 1911. R. Amundsen at the South Pole.</p>	<p>*350. SUNDAY, 16th DECEMBER. W.W.R. stations. Post Day.</p>
<p>☉ S 23° 4'. M 14h. 52m. 1896. Hereford earthquake.—(DAVISON.) Sir Francis Beaufort d. 1857, [b. 1774]. 1877. "Barometer 31·63 in. at Barnaul" (1050 mb. station level reduced to 1073 mb. sea level).</p>	<p>351. MONDAY, 17th. Anemo. stations. Post Day. Baro. stations. Post Day. M.O.—Discussion, 17h.</p>
☉ S 23° 4'. M 15h. 45m.	<p>*352. TUESDAY, 18th. H.D.I.</p>
☉ S 23° 4'. M 16h. 35m.	<p>353. WEDNESDAY, 19th.</p>
<p>☉ S 23° 4'. M 17h. 25m. 1896. "Barometer 31·717 in. at Irkutsk" (1003·5 mb. at station level reduced to 1072 mb. sea level). 1860. Severe frost from December 20th to January 5th, 1861.—(ANDREWS.)</p>	<p>*354. THURSDAY, 20th. Obs.—Met. work despatch day.</p>
<p>☉ S 23° 4'. M 18h. 15m. First quarter 6h. 7m. St. Thomas. St. Lucia.</p>	<p>355. FRIDAY, 21st.</p>
<p>☉ S 23° 4'. M 19h. 5m. Winter Solstice. 187-988. Frost began in London and lasted 120 days.—(LOWE.) 1906. Earthquake in Turkestan. 1894. Gale over the British Isles. Greatest hourly wind velocity, 34·9 m/s (78 mi/hr), Fleetwood.</p>	<p>*356. SATURDAY, 22nd. Obs.—Close Journal, 60.</p>

23RD DECEMBER TO 29TH DECEMBER, 1917.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
☉ S 23° 4'. M 19h. 57m.	<p>357. SUNDAY, 23rd DECEMBER. W.W.R. stations. Post Day.</p>
<p>☉ S 23° 4'. M 20h. 51m. 1736. Very high tide in London; the River Thames flowed into Westminster Hall.—(Baker's "Record of the Seasons.")</p>	<p>*358. MONDAY, 24th. Anemo. stations. Post Day. Baro. stations. Post Day.</p>
<p>☉ S 23° 4'. M 9h. 47m. CHRISTMAS DAY. 1434. Thames frozen below London Bridge to Gravesend, from December 25th to February 11th, 1435.—(ANDREWS.) 1860. Carstairs. Exposed therm. fell to -20° F.—(BUCHAN.) Buxton. "Temp. 4ft. above ground was 8° below zero, and on the grass 13·8° below zero, or 45·8° of frost."—Mr. G. T. LOWE in "Times."</p>	<p>359. TUESDAY, 25th. M.O.—Press closed.</p>
<p>☉ S 23° 4'. M 22h. 44m. St. Stephen. Greatest hourly wind velocity of 1912, 31·3 m/s (73 mi/hr), strongest gust, 43·8 m/s (98 mi/hr), Pendennis Castle.</p>	<p>*360. WEDNESDAY, 26th. M.O.—Press closed.</p>
<p>☉ S 23° 3'. M 23h. 39m. St. John. 1813. "Great fog commenced in London, and the greatest frost of the century set in."—(ANDREWS.) 1852. Barometer 27·98 in. (949 mb.), at Culloden. Greatest hourly wind velocity of 1915, 30·0 m/s (67 mi/hr.). Strongest gust, 40·0 m/s (90 mi/hr.), Pendennis Castle</p>	<p>361. THURSDAY, 27th. Obs.—Met. work despatch day.</p>
<p>☉ S 23° 3'. Full Moon 9h. 52m. Innocents Day. 1879. Tay Bridge Storm. 1904. Messina Earthquake. 1913. G. Legagneur reached 6,120m. (20,079 ft.) in aeroplane.</p>	<p>*362. FRIDAY, 28th.</p>
<p>☉ S 23° 3'. M 0h. 32m. 1899. Low Barometric pressure over the British Isles. 28·29 in. (958·7 mb.) at Roches Point and St. Ann's Head.</p>	<p>363. SATURDAY, 29th. Obs.—Close Journal, 61.</p>

30TH DECEMBER, 1917, TO 5TH JANUARY, 1918.

Astronomical and Historical Notes.	
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	Diary.
\odot S 23° 2'. M 1h. 23m.	*364. SUNDAY, 30th DECEMBER. Electrical work 3rd Quarter day. W.W.R. stations. Post Day. M.O.—Geophysical Journal, October Copy day.
\odot S 23° 1'. M 2h. 9m.	365. MONDAY, 31st. Anemo. stations. Post Day. Baro. stations. Post Day. Obs.—Close Journal, 62.
\odot S 23° 1'. M 2h. 53m. NEW YEAR'S DAY (England since 1751, Scotland since 1600). 1876. First publication by "The Times" of 6 p.m. Weather Map.	*1. TUESDAY, 1st JANUARY, 1918.
\odot S 23° 0'. M 3h. 35m.	2. WEDNESDAY, 2nd.
\odot S 22° 9'. M 4h. 17m.	*3. THURSDAY, 3rd. Obs.—Met. work despatch day.
\odot S 22° 8'. M 4h. 56m.	4. FRIDAY, 4th.
\odot S 22° 7'. M 5h. 37m. (Last quarter 11h. 50m.	*5. SATURDAY, 5th. Obs.—Close Journal, 1.

DATES OF BEGINNING OF THE YEAR AND SEASONS OF THE WEEKLY WEATHER REPORTS, VOLS. XXXIX TO LXIII.

Year.	Year of Weekly Report and date of beginning.	No. of weeks in year.	Spring begins.	Summer begins.	Autumn begins.	Winter begins.
1916	XXXIX. Jan. 2nd ...	52	Feb. 26th*	June 4th	Sept. 3rd	Dec. 3rd
1917	XL. Dec. 31st ...	52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
1918	XLI. Dec. 30th ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
1919	XLII. Dec. 29th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
1920	XLIII. Jan. 4th ...	52	Feb. 29th	May 30th	Aug. 29th	Nov. 28th
				* Spring	14 weeks.	
1921	XLIV. Jan. 2nd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1922	XLV. Jan. 1st ...	52	Feb. 26th	May 28th*	Sept. 3rd	Dec. 3rd
1923	XLVI. Dec. 31st ...	52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
1924	XLVII. Dec. 30th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
1925	XLVIII. Jan. 4th ...	52	Mar. 1st	May 31st	Aug. 30th	Nov. 29th
				* Summer	14 weeks.	
1926	XLIX. Jan. 3rd ...	52	Feb. 28th	May 30th	Aug. 29th	Nov. 28th
1927	L. Jan. 2nd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1928	LI. Jan. 1st ...	52	Feb. 26th	May 28th	Aug. 27th*	Dec. 3rd
1929	LII. Dec. 30th ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
1930	LIII. Dec. 29th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
				* Autumn	14 weeks.	
1931	LIV. Jan. 4th ...	52	Mar. 1st	May 31st	Aug. 30th	Nov. 29th
1932	LV. Jan. 3rd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1933	LVI. Jan. 1st ...	52	Feb. 26th	May 28th	Aug. 27th	Nov. 26th*
1934	LVII. Dec. 31st ...	52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
1935	LVIII. Dec. 30th ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
				* Winter	14 weeks.	
1936	LIX. Dec. 29th ...	53	Mar. 1st	May 31st	Aug. 30th	Nov. 29th
1937	LX. Jan. 3rd ...	52	Feb. 28th	May 30th	Aug. 29th	Nov. 28th
1938	LXI. Jan. 2nd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1939	LXII. Jan. 1st ...	52	Feb. 26th*	June 4th	Sept. 3rd	Dec. 3rd
1940	LXIII. Dec. 31st ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
				* Spring	14 weeks.	

TABLE OF SUN-SPOT NUMBERS. 1749-1915.

	0	1	2	3	4	5	6	7	8	9
1740 ...										81
1750 ...	83	48	48	31	12	10	10	32	48	54
1760 ...	63	86	61	45	36	21	11	38	70	106
1770 ...	101	82	66	35	31	7	20	92	154	126
1780 ...	85	68	38	23	10	24	83	132	131	118
1790 ...	90	67	60	47	41	21	16	6	4	7
1800 ...	14	34	45	43	48	42	28	10	8	2
1810 ...	0	1	5	12	14	35	46	41	30	24
1820 ...	16	7	4	2	8	17	39	50	62	67
1830 ...	71	48	28	8	13	57	122	138	103	86
1840 ...	63	37	24	11	15	40	62	98	124	96
1850 ...	66	65	54	39	21	7	4	23	55	94
1860 ...	96	77	59	44	47	30	16	7	37	74
1870 ...	139	111	102	66	45	17	11	12	3	6
1880 ...	32	54	60	64	64	52	25	13	7	6
1890 ...	7	36	73	85	78	64	42	26	27	12
1900 ...	10	3	5	24	42	64	54	62	49	44
1910 ...	19	6	4	1	10	46				

for twelve districts for the calendar months
normals for districts, 1881-1905.

1900, 1901, 1902.															
Dist.		Temperature.		Sun- shine.	Rainfall.		Temperature.		Sun- shine.	Rainfall.					
		°F.	°A.	hrs.	in.	mm.	°F.	°A.	hrs.	in.	mm.				
		JULY.						AUGUST.							
N.	0	54.9	286	4.10	3.52	89	54.5	286	3.69	4.29	109				
E.	1	56.3	286	5.25	3.00	76	55.8	286	4.80	3.17	81				
	2	58.6	288	6.18	2.44	62	57.8	287	5.18	2.74	70				
	3	60.5	289	6.79	2.31	59	59.7	288	5.95	2.34	59				
	4	59.9	289	6.03	2.41	61	58.8	288	5.35	2.65	67				
W.	5	61.0	289	6.97	2.19	56	60.8	289	6.27	2.48	63				
	6	57.1	287	5.57	3.61	92	56.5	287	4.96	4.60	117				
	7	58.7	288	5.87	3.04	77	58.1	288	5.02	3.67	93				
	8	59.4	288	6.38	2.97	75	59.1	288	5.95	3.38	86				
	9	57.4	287	4.47	3.29	84	56.8	287	4.23	4.01	102				
S.	10	58.8	288	5.06	3.10	79	58.2	288	4.93	4.09	104				
	11	60.6	289	7.91	2.33	59	61.5	289	7.03	2.68	68				
		SEPTEMBER.						OCTOBER.							
N.	0	51.7	284	3.35	4.56	116	46.1	281	2.44	5.46	139				
E.	1	52.3	284	3.96	2.37	60	45.9	281	2.80	3.17	81				
	2	54.3	285	4.45	1.96	50	48.0	282	3.07	2.94	75				
	3	55.9	286	4.98	1.98	50	48.9	282	3.39	2.72	69				
	4	54.8	286	4.39	2.06	52	47.8	282	2.98	2.88	73				
W.	5	57.2	287	5.11	2.28	58	50.3	283	3.41	3.27	83				
	6	53.2	285	4.17	4.11	104	47.7	282	2.74	5.00	127				
	7	54.9	286	4.26	3.00	76	48.8	282	2.76	3.97	101				
	8	56.2	286	4.81	3.12	79	50.2	283	3.28	4.54	115				
	9	53.9	285	3.76	3.21	82	48.1	282	2.87	3.86	98				
S.	10	55.2	286	4.44	2.89	73	49.5	283	3.30	3.84	97				
	11	59.0	288	6.02	2.59	66	53.7	285	3.94	3.98	101				
		NOVEMBER.						DECEMBER.							
N.	0	42.2	279	1.20	5.52	140	39.0	277	0.63	5.86	149				
E.	1	41.4	278	1.68	3.02	77	37.7	276	1.00	2.93	74				
	2	43.2	279	1.83	2.40	61	39.1	277	1.22	2.22	56				
	3	43.4	279	2.11	2.19	56	38.7	277	1.39	1.94	49				
	4	42.7	279	1.76	2.44	62	38.5	277	1.17	2.34	59				
W.	5	45.1	280	2.04	2.94	75	40.7	278	1.45	2.56	65				
	6	43.8	280	1.57	5.36	136	40.5	278	0.97	5.36	136				
	7	44.3	280	1.64	3.59	91	40.4	278	1.02	3.36	85				
	8	45.9	281	2.06	4.24	108	42.3	279	1.47	4.49	114				
	9	44.1	280	1.91	3.95	100	41.1	278	1.24	3.80	97				
S.	10	45.6	281	2.21	4.14	105	42.9	279	1.52	4.53	115				
	11	49.5	283	2.45	3.85	98	46.6	281	1.85	3.87	98				

Mean Temperature, Daily Sunshine, and aggregate Rainfall for twelve districts for the seasons and the year.

Dist.	Temperature.		Sun-shine.	Rainfall.		Temperature.	Sun-shine.		Rainfall.	
	°F.	°A.	hrs.	in.	mm.	°F.	°A.	hrs.	in.	mm.
SPRING.						SUMMER.				
N. 0	43.3	279	4.47	9.88	251	53.7	285	4.28	10.57	268
E. 1	44.2	280	4.88	6.27	159	55.7	286	5.32	8.31	211
2	45.1	280	5.23	5.09	129	57.4	287	5.85	6.98	178
3	46.3	281	5.44	4.95	126	59.2	288	6.51	6.59	167
4	46.3	281	4.91	5.53	140	58.7	288	5.85	7.05	179
5	47.6	282	5.46	5.16	131	60.2	289	6.73	6.50	160
W. 6	45.5	281	5.12	8.97	228	56.3	287	5.59	11.03	230
7	46.2	281	5.03	6.62	168	57.8	287	5.78	8.92	227
8	47.4	282	5.50	7.08	180	58.8	288	6.38	8.57	218
9	46.3	281	4.87	7.43	189	56.6	287	4.73	9.90	252
10	47.7	282	5.34	7.97	202	58.1	288	5.34	9.66	245
S. 11	49.4	283	6.54	6.01	153	60.4	289	7.83	6.76	172

AUTUMN.						WINTER.				
N. 0	46.2	281	2.28	15.60	396	38.2	277	1.16	16.26	413
E. 1	46.4	281	2.75	8.56	217	37.5	276	1.67	7.63	194
2	48.2	282	3.06	7.29	185	38.7	277	1.76	5.41	137
3	49.1	283	3.42	6.87	174	38.4	277	1.96	5.11	130
4	48.1	282	2.98	7.36	187	38.3	277	1.67	6.30	160
5	50.5	283	3.44	8.49	216	39.9	277	1.91	6.76	172
W. 6	48.0	282	2.76	14.51	369	39.8	277	1.46	13.69	348
7	49.1	283	2.82	10.56	268	39.9	277	1.55	8.68	220
8	50.5	283	3.32	11.93	303	41.5	278	1.94	11.07	281
9	48.5	282	2.80	11.01	280	40.8	278	1.67	9.96	253
10	49.8	283	3.26	10.90	277	42.4	279	1.95	11.67	296
S. 11	53.8	285	4.05	10.48	266	44.7	280	2.41	9.41	239

Dist.	Temperature.		Sun-shine.	Rainfall.	
	°F.	°A.	hrs.	in.	mm.
YEAR.					
N. 0	45.4	280	3.55	52.31	1329
E. 1	46.0	281	3.66	30.77	782
2	47.4	282	3.98	24.77	630
3	48.3	282	4.33	23.52	597
4	47.9	282	3.85	26.24	667
5	49.6	283	4.39	26.91	684
W. 6	47.4	282	3.73	48.20	1224
7	48.3	282	3.80	34.78	884
8	49.6	283	4.29	38.65	982
9	48.1	282	3.52	38.30	973
10	49.5	283	3.97	40.20	1021
S. 11	52.1	284	5.21	32.66	830

METEOROLOGICAL OFFICE, LONDON.

1918.

CALENDAR

WITH

NOTES AND DIARY OF OPERATIONS

FOR

THE USE OF OBSERVERS.

Issued by the Authority of the Meteorological Committee.



LONDON:

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S
STATIONERY OFFICE

By DARLING AND SON, LTD., 34-40, BACON STREET, E.

And to be purchased from
THE METEOROLOGICAL OFFICE, EXHIBITION ROAD, LONDON, S.W.

1917.

Price 1s. Net.

METEOROLOGICAL OFFICE CALENDAR.

HISTORICAL NOTES.

Pressures quoted in absolute units.—In converting from inches to millibars pressure values given in previous editions, it has been assumed that the gravity correction had not been made.

Wind Velocities.—All velocities given are reduced to "factor 2.2," and are expressed in metres per second, m/s, with an alternative in miles per hour, mi/hr.

Holy Days.—The names of the Holy Days find a place in the Meteorological Calendar in view of their traditional association with the weather. The tradition survives in a few cases such as St. Swithin's Day. For reference to others "Weather Lore," by Mr. R. W. Inwards, may be consulted.

DIARY.

The * symbol denotes that at the observatories the day so marked is a change-day for two-day sheets.

The note "post anemograms" is inserted each Monday, but when postal arrangements permit the anemograms should be posted on Sunday.

The initials H.D.I. are set against selected days for observations of the earth's horizontal magnetic force in absolute measure, declination and inclination, provided that the day is not unfavourable for observation. Additional observations of these elements should be made as required.

International Cloud Days.—International co-operation is interrupted, but observations of cloud motion on the international plan should be made on each balloon day and on the day preceding and succeeding.

Meteorological and Magnetic Year Book.—The Weekly Weather Report for each week is issued on the Friday of the following week. The Quarterly and Annual Appendices and the Annual Summary to the Monthly Weather Report are due for issue on the dates specified in the Calendar. (The Monthly Flysheet for each month is issued on the first day of the following month unless that day happens to be a Sunday.) The Monthly Weather Report is due to be issued on the first day of the next month but one; a monthly circular for observers will accompany the report. Daily Readings at First and Second Order Stations are due on the last working day of the following month. The Geophysical Journal is due within three months of the close of its period. Hourly Readings for 1917 are to be published as an Annual Volume before the close of 1918.

NAPIER SHAW,
Director.

22nd December, 1917.

SOLAR HEAT.

The strength of the solar heat stream is supposed to vary from day to day. According to Abbot its mean value is—

$$\begin{aligned} & 1.93 \text{ gm. cal. per cm}^2 \text{ per min.} \\ & = 135 \text{ milliwatts per cm}^2. \\ & = 32.4 \text{ kilowatt hours per m}^2 \text{ per diem.} \\ & = 11700 \text{ joules per diem per cm}^2. \end{aligned}$$

The accompanying table is derived from the last of these values by means of Zenker's table in which allowance for the variation in the sun's distance is made, so that the figures represent $c \frac{a^2}{r^2} \int \cos z \, dt$ where c is the mean strength of the solar heat stream, z is the sun's zenith distance, r is the distance from the earth to the sun, a its mean value, and the integral is taken over the time the sun is above the horizon.

Gross Vertical Flow of Heat per diem towards the earth from outside the Atmosphere.			
Lat.		52°	56°
Joules per sq. cm.			
Jan. 15	... ..	781	539
Feb. 15	... ..	1326	1083
Mar. 15	... ..	2179	1961
April 15	... ..	3076	2923
May 15	... ..	3801	3732
June 15	... ..	4117	4096
July 15	... ..	3944	3906
Aug. 15	... ..	3323	3202
Sept. 15	... ..	2497	2303
Oct. 15	... ..	1597	1361
Nov. 15	... ..	927	692
Dec. 15	... ..	626	410

Week 1. DECEMBER 30TH, 1917, TO JANUARY 5TH, 1918. Days 364 (1917) to 5 (1918).

Astronomical and Historical Notes.		Diary.	
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		* Change day for two-day sheets.	
SUNDAY, DECEMBER 30th, 1917.	☉ S 23° 2'. M 1h. 23m.	Post Weekly Returns.	*364.
MONDAY, 31st. NEW YEAR'S EVE.	☉ S 23° 1'. M 2h. 9m.	M.O.—Geophysical Journal. October Copy day. Post Anemograms. Post Barograms. Obs.—Close Journal, 62.	365.
TUESDAY, JANUARY 1st, 1918.	☉ S 23° 1'. M 2h. 53m.	H.D.I.	*1.
NEW YEAR'S DAY, in England since 1751, in Scotland since 1600. 1795. Severe snow in South of Scotland. 17 shepherds perished and great numbers of sheep. 1876. Publication by "The Times" of 6 p.m. Weather Map begun. (Suspended August, 1914.)			
WEDNESDAY, 2nd.	☉ S 23° 0'. M 3h. 35m.		2.
THURSDAY, 3rd.	☉ S 22° 9'. M 4h. 16m.	Obs.—Send curves and tabulations to complete Week 52. Balloon day.	*3.
FRIDAY, 4th.	☉ S 22° 8'. M 4h. 56m.	Obs. Send curves and tabulations to complete December.	4.
1867. Min. temp. Camden Town 6° 7' F. Sheering, Harlow 7° F. (259a) (S.M.).†			
SATURDAY, 5th.	☉ S 22° 7'. M 5h. 37m. ☾ Last quarter 11h. 50m.	Obs.—Close Journal, 1.	*5.
1684. Frost very intense in London; temperature 8° below zero. The longest frost on record, and the ice on the River Thames 11 in. thick. There were shops on the river till February. —(LOWE)*			

Times of Sunrise, Noon and Sunset, G.M.T., Dec. 30th.

	h. m.	h. m.	n. m.		h. m.	h. m.	h. m.
Wick	9 5	12 15	15 24	Cahireiveen	8 51	12 44	16 37
Aberdeen	8 52	12 11	15 30	Richmond	8 9	12 4	15 59
Eskdalemuir	8 43	12 16	15 48	Falmouth	8 22	12 23	16 24

* Natural Phenomena and Chronology of the Seasons.—LOWE.
† Symons' Meteorological Magazine.

Week 2. JANUARY 6TH TO JANUARY 12TH, 1918. Days 6 to 12.

Astronomical and Historical Notes.		Diary.	
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.			
SUNDAY, JANUARY 6th.	☉ S 22° 6'. M 6h. 20m.	Post Weekly Returns.	6.
EPIPHANY. Twelfth Day <i>Printer, heliologist, Diplomatist</i> 1706. Benjamin Franklin, explorer b. [d. 17 Ap. 1796]. 1861. Abbott Lawrence Rotch, Meteorologist, Founder of Blue Hill Observatory, b. [d. 7 Ap. 1912]. 1839. Beginning of two days' hurricane over British Isles. Many fatalities.			
MONDAY, 7th.	☉ S 22° 4'. M 7h. 6m.	Post Anemograms. Post Barograms.	*7.
1881. Beginning of 21 days of severe frost. (Q.J.).† 1839. End of two days' hurricane over British Isles. Barometer 27·69 in. (939 mb.) at Aberdeen.			
TUESDAY, 8th.	☉ S 22° 3'. M 7h. 55m.	H.D.I.	8.
1735. W. or W.S.W. gale. So violent a one has not been known since the memorable one of November, 1703.—(LOWE.)* 1820. Barometer 31·046 in. (1052·5 mb.) at Gordon Castle at 9 a.m.			
WEDNESDAY, 9th.	☉ S 22° 2'. M 8h. 48m.		*9.
1896. Barometer (sea level) 31·108 in. (1054·5 mb.), Ochertyre 9 h.; 31·106 in. (1054·5 mb.), Fort William.			
THURSDAY, 10th.	☉ S 22° 0'. M 9h. 44m.	Obs.—Send curves and tabulations.	10.
1909. Reports by radio-telegraphy from Atlantic liners begun. 1913. Barometer 27·44 in. (929 mb.) recorded by White Star liner "Celtic" in 50° N. 29° W.			
FRIDAY, 11th.	☉ S 21° 9'. M 10h. 43m.		*11.
1914. Eruption of Sakarishima, Japan.			
SATURDAY, 12th.	☉ S 21° 7'. M 11h. 42m. ● New moon, 22h. 36m.	Obs.—Close Journal, 2.	12.
1915. Pressure at Irkutsk (Siberia) reached 803 mm. = 1071 mb. 1869. Regular daily issue of lithographed copies of the Daily Weather Report begun (see 5 July).			

Times of Sunrise, Noon and Sunset, G.M.T., January 6th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	9 1	12 18	15 34	Cahireiveen	8 50	12 47	16 43
Aberdeen	8 48	12 14	15 40	Richmond	8 7	12 7	16 6
Eskdalemuir	8 41	12 19	15 57	Falmouth	8 21	12 26	16 31

* Natural Phenomena and Chronology of the Seasons.—LOWE.
† Quarterly Journal of the Royal Meteorological Society.

Week 3. JANUARY 13TH TO JANUARY 19TH, 1918. Days 13 to 19.

Astronomical and Historical Notes.		Diary.	
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.			
SUNDAY, JANUARY 13th.	\odot S 21° 6'. M 12h. 40m.	Post Weekly Returns.	*13.
MONDAY, 14th.	\odot S 21° 4'. M 13h. 35m. 1st January (Old Style) in Russian Empire, &c. 1806. Matthew Fontaine Maury, Marine Meteorologist, b. [d. 1st Feb., 1873]. 1205. "Began a frost which continued till March 22nd so that the ground could not be tilled."—(CHAMBERS.)	Post Anemograms. Post Barograms. M.O.—Discussion, 17h.	14.
TUESDAY, 15th.	\odot S 21° 2'. M 14h. 29m. 1915. Earthquake in Italy. 1820. Temperature at Greenwich 0° 0' F. (255a)	H.D.I.	*15.
WEDNESDAY, 16th.	\odot S 21° 0'. M 15h. 20m.		16.
THURSDAY, 17th.	\odot S 20° 8'. M 16h. 11m. 1881. Low temperatures —15° F. (247a) Stobo, (in Stevenson's screen)—16° F. (246a) Kelso, —22° F. (243a) Blackadder. — (S.M., Vol. 16.)† 1706. Benjamin Franklin, Philosopher, b.	Obs.—Send curves and tabulations.	*17.
FRIDAY, 18th.	\odot S 20° 6'. M 17h. 2m. 1815. Warren de la Rue, Chairman, Kew Committee, b. [d. 19 Ap. 1889]. 1881. Great Snowstorm in South of England known as Black Tuesday (London milk supply curtailed). 1912. Capt. R. F. Scott reached South Pole.		18.
SATURDAY, 19th.	\odot S 20° 4'. M 17h. 54m. 1830. Heavy snow. Salisbury coach 17 hours coming from Andover. Severe frost.—(Q.J., 1901.)	Obs.—Close Journal, 3.	*19.

Times of Sunrise, Noon and Sunset, G.M.T., January 13th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	8 55	12 21	15 46	Cahirceveen	8 46	12 50	16 54
Aberdeen ...	8 42	12 17	15 52	Richmond ...	8 4	12 10	16 16
Eskdalemuir	8 36	12 22	16 9	Falmouth ...	8 18	12 29	16 40

† Symons's Meteorological Magazine.

Week 4. JANUARY 20TH TO JANUARY 26TH, 1918. Days 20 to 26.

Astronomical and Historical Notes.		Diary.	
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.			
SUNDAY, JANUARY 20th.	\odot S 20° 2'. M 18h. 48m.	Post Weekly Returns.	20.
1817. William Ferrel, American Mathematician and Meteorologist, b. [d. 18th Sept. 1891]. 1838. Coldest day of century. Thermometer below zero for some hours, followed almost immediately by a variation of nearly 50 degrees.—(Phil. Mag., Vol. XII.)—4° F. (253a) at Greenwich.			
MONDAY, 21st.	\odot S 20° 0'. M 19h. 42m.	Post Anemograms. Post Barograms.	*21.
TUESDAY, 22nd.	\odot S 19° 8'. M 20h. 37m. St. Vincent. 1649. "Now," says Evelyn, "was the Thames frozen over, with horrid tempests of wind." (LOWE.)	H.D.I.	22.
WEDNESDAY, 23rd.	\odot S 19° 6'. M 21h. 32m.		*23.
THURSDAY, 24th.	\odot S 19° 3'. M 22h. 25m. 1728-9. January 24, a hard frost began which lasted 9 weeks.—(ALMANACK.) 1683-84. Thames planted with booths in formal streets.—(Q.J. XXVIII.)	Obs.—Send curves and tabulations.	24.
FRIDAY, 25th.	\odot S 19° 1'. M 23h. 16m. ST. PAUL'S DAY. Formerly believed to foreshadow the weather of the year. 1627. Robert Boyle, Experimental Philosopher, b. [d. 30 Dec. 1691].		*25.
SATURDAY, 26th.	\odot S 18° 8'. M — 1884. Great Snowstorm in Scotland, Barometer 27·332 in. (926·5 mb. Sea level), Ochertyre. Very heavy gale generally.	Obs.—Close Journal, 4.	26.

Times of Sunrise, Noon and Sunset, G.M.T., January 20th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	8 44	12 33	16 3	Cahirceveen	8 39	12 52	17 5
Aberdeen ...	8 34	12 20	16 6	Richmond ...	7 55	12 12	16 27
Eskdalemuir	8 28	12 24	16 20	Falmouth ...	8 11	12 31	16 51

Week 5. JANUARY 27TH TO FEBRUARY 2ND, 1918. Days 27 to 33.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JANUARY 27th.	\odot S $18^{\circ}6'$. $\{ \begin{array}{l} \text{M } 0\text{h. } 4\text{m.} \\ \text{Full Moon, } 3\text{h. } 14\text{m.} \end{array}$	Post Weekly Returns. *27.
1866. Meteorological Society Incorporated by Royal Charter. 1881. End of 21 days' spell of severe frost.		
MONDAY, 28th.	\odot S $18^{\circ}3'$. M 0h. 49m.	Post Anemograms. 28. Post Barograms.
1833. Robert Henry Scott, First Director of Meteorological Office, b. [d. 18 June 1916].		
TUESDAY, 29th.	\odot S $18^{\circ}1'$. M 1h. 31m.	H.D.I. *29.
WEDNESDAY, 30th.	\odot S $17^{\circ}8'$. M 2h. 12m.	30.
THURSDAY, 31st.	\odot S $17^{\circ}5'$. M 2h. 53m.	*31.
1902. Barometer (Sea level) 31.110 in (1055 mb.), Aberdeen.		M.O.—Geophysical Journal, November Copy day. Obs.—Close Journal, 5. Send curves and tabulations.
FRIDAY, FEBRUARY 1st.	\odot S $17^{\circ}2'$. $\{ \begin{array}{l} \text{M } 3\text{h. } 33\text{m.} \end{array}$	32. M.O.—W.W.R. Annual Appendices I, II, Copy day.
1894. First telegraphic report from Azores (Delgada).		
SATURDAY, 2nd.	\odot S $17^{\circ}0'$. M 4h. 15m.	*33. M.O.—M.W.R. Annual Summary. Copy day. Obs.—Close Journal, 6.
CANDLEMAS.		

Times of Sunrise, Noon and Sunset, G.M.T., January 27th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 32	12 25	16 17	Cahirciveen	8 32	12 54	17 16
Aberdeen	8 21	12 21	16 21	Richmond	7 50	12 14	16 38
Eskdalemuir	8 18	12 26	16 34	Falmouth	8 4	12 33	17 2

Week 6. FEBRUARY 3RD TO FEBRUARY 9TH, 1918. Days 34 to 40.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, FEBRUARY 3rd.	\odot S $16^{\circ}7'$. $\{ \begin{array}{l} \text{M } 4\text{h. } 59\text{m.} \end{array}$	34. Climatological Stations Schedule day. Post Weekly Returns.
MONDAY, 4th.	\odot S $16^{\circ}4'$. M 5h. 45m. $\{ \begin{array}{l} \text{Last quarter, } 7\text{h. } 52\text{m.} \end{array}$	*35. Obs.—Send curves and tabulations to complete January. Post Anemograms. Post Barograms.
1907. Reports by radiotelegraphy from H.M. Ships begun.		
TUESDAY, 5th.	\odot S $16^{\circ}1'$. M 6h. 35m.	H.D.I. 36.
1861. First cautionary or "Storm Signal" made. 1870. Barometer 27.33 in. (926 mb.), S.S. "Tarifa," $51^{\circ}\text{N.}, 24^{\circ}\text{W.}$		
WEDNESDAY, 6th.	\odot S $15^{\circ}8'$. M 7h. 29m.	*37.
St. Dorothea. 1665. "One of the coldest days, they say, ever felt in England."—(PEPYS.)		
THURSDAY, 7th.	\odot S $15^{\circ}5'$. M 8h. 25m.	38. Obs.—Send curves and tabulations. Balloon Day.
1895. Temperature— 10° F. (250a) at Barkby, near Leicester.		
FRIDAY, 8th.	\odot S $15^{\circ}2'$. M 9h. 23m.	*39.
1750. Last considerable earthquake in England. —(HORACE WALPOLE'S LETTERS.) 1895. Beginning of 14 days' frost with skating on the Serpentine. Temperature -12° F. (249a), Braemar.		
SATURDAY, 9th.	\odot S $14^{\circ}8'$. M 10h. 21m.	40. Obs.—Close Journal, 7.
1731. River Thames frozen up.—(SHORT.)		

Times of Sunrise, Noon and Sunset, G.M.T., February 3rd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 17	12 26	16 35	Cahirciveen	8 21	12 55	17 29
Aberdeen	8 7	12 22	16 37	Richmond	7 39	12 15	16 51
Eskdalemuir	8 5	12 27	16 49	Falmouth	7 54	12 34	17 14

Week 7. FEBRUARY 10TH TO FEBRUARY 16TH, 1918. Days 41 to 47.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, FEBRUARY 10th.	☉ S 14.5°. M 11h. 18m.	Post Weekly Returns. *41.
MONDAY, 11th.	☉ S 14.2°. M 12h. 14m. ● New Moon 10h. 5m. 1842. Hon. R. Abercromby, Meteorologist, b. [d. 21 June, 1897]. 1895. Temperature—17° F. (246a), Braemar. 1899. 64° F. (291a) shade temp. Camden Town. Pressure 31.42 in. (1064 mb.) at Swift Current, Assiniboia.—(S.M.)*	Post Anemograms. 42. Post Barograms. M.O.—Discussion, 17h.
TUESDAY, 12th. St. Eulalie.	☉ S 13.8°. M 13h. 8m.	H.D.I. *43.
WEDNESDAY, 13th.	☉ S 13.5°. M 14h. 1m. 1899. Min. temp. New Orleans 7° F. Ice 2 in. thick on Mississippi.—(S.M.)*	44.
THURSDAY, 14th.	☉ S 13.2°. M 14h. 54m. 1698. Great Snowstorm: snow drifts several yards deep.—(LOWE.)	Obs.—Send curves and tabulations. *45.
FRIDAY, 15th.	☉ S 12.7°. M 15h. 48m. 1907. Full service of telegraphic reports from Iceland.	M.O.—Half-yearly issue of cards to Sunshine stations. 46.
SATURDAY, 16th.	☉ S 12.5°. M 16h. 42m. 1822. Sir F. Galton, Traveller and Investigator, Chairman Kew Committee, b. [d. 17th Jan., 1911].	Obs.—Close Journal, S. *47.

Times of Sunrise, Noon and Sunset, G.M.T., February 10th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8	0	12 26	16 41	Cahirceveen	8	8
Aberdeen	7	53	12 23	16 53	Richmond	7	27
Eskdalemuir	7	51	12 27	17 3	Falmouth	7	43
						12	35

* See M.O. publication 142.

Week 8. FEBRUARY 17TH TO FEBRUARY 23RD, 1918. Days 48 to 54.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, FEBRUARY 17th.	☉ S 12.2°. M 17h. 38m. 1st Sunday in Lent. 1571. Earthquake in Herefordshire.	Post Weekly Returns. 48.
MONDAY, 18th.	☉ S 11.6°. M 18h. 34m. ☾ First Quarter 0h. 57m. 1564. Galileo Galilei b. [d. Jan. 8th, 1642]. 1895. Ice 10 in. thick, Regent's Park.	Post Anemograms. *49. Post Barograms.
TUESDAY, 19th.	☉ S 11.5°. M 19h. 29m. 1895. Remarkable Temperature Inversion 9 a.m., Ben Nevis, Summit, 274a (33.8°F.), Fort William 264a (15.8°F.). 1895. Ice 7½ in. thick, Serpentine. (Q.J.)	H.D.I. 50.
WEDNESDAY, 20th.	☉ S 11.1°. M 20h. 22m. ASH WEDNESDAY. 1663. "Danzig Phenomenon." 1907. "Berlin" wrecked, North Sea. Birthday of Princess Royal.	Flag Day. *51.
THURSDAY, 21st.	☉ S 10.7°. M 21h. 13m. 1895. End of 14 days' frost with skating on Serpentine.	Obs.—Send curves and tabulations. 52.
FRIDAY, 22nd. St. Peter.	☉ S 10.4°. M 22h. 1m.	*53.
SATURDAY, 23rd.	☉ S 10.0°. M 22h. 46m.	Obs.—Close Journal, 9. 54.

Times of Sunrise, Noon and Sunset, G.M.T., February 17th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7	44	12 26	17 8	Cahirceveen	7	55
Aberdeen	7	37	12 23	17 9	Richmond	7	14
Eskdalemuir	7	35	12 27	17 19	Falmouth	7	31
						12	35

Week 9. FEBRUARY 24TH TO MARCH 2ND, 1918. Days 55 to 61.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	Last week of Winter Quarter.
SUNDAY, FEBRUARY 24th. \odot S $9^{\circ}7'$. 2nd Sunday in Lent. St. Mathias.	Post Weekly Returns. *55.
MONDAY, 25th. \odot S $9^{\circ}3'$. M — \circ Full Moon 17h. 35m.	Post Anemograms. 56. Post Barograms. M.O.—Discussion, 17h.
TUESDAY, 26th. \odot S $8^{\circ}9'$. M 0h. 11m.	H.D.I. *57.
WEDNESDAY, 27th. \odot S $8^{\circ}5'$. M 0h. 51m. 1903. Destructive Circular Storm. Strongest gust 39.3 m/s (88 mi/hr), Pendennis. Maximum hourly velocity, 24.6 m/s (55 mi/hr). (Q.J.)	58.
THURSDAY, 28th. \odot S $8^{\circ}2'$. M 1h. 32m. St. Romanus. 1683. René Antoine Ferchault de Réaumur b. [d. 17 Oct., 1757].	*59. Obs.—Send curves and tabulations. Obs.—Close Journal, 10. M.O.—Geophysical Journal, December Copy day. Sunshine stations. Equinoctial cards (straight) to be used from 1st March until 12th April.
FRIDAY, MARCH 1st. \odot S $7^{\circ}8'$. M 2h. 13m. St. David.	60. M.O.—Introductions to W.W.R. and M.W.R. 1915. Copy day.
SATURDAY, 2nd. \odot S $7^{\circ}4'$. M 2h. 56m. St. Chad. 1843. Sir W. J. L. Wharton, Hydrographer, b. [d. 29 Sept., 1905]. 1862. Prince Boris Galitzine, Russian Meteorologist and Seismologist, b. [d. 17 May, 1916]. 1784. Blanchard, aeronaut, made his first ascent from Paris in a hydrogen balloon.	*61. Obs.—Close Journal, 11.

Times of Sunrise, Noon and Sunset, G.M.T., February 24th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 24	12 26	17 25	Cahirciveen	7 41	12 54	18 8
Aberdeen	7 19	12 22	17 25	Richmond	6 59	12 14	17 29
Eskdalemuir	7 19	12 26	17 33	Falmouth	7 17	12 34	17 51

Week 10. MARCH 3RD TO MARCH 9TH, 1918. Days 62 to 68.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	First week of Spring Quarter.
SUNDAY, MARCH 3rd. \odot S $7^{\circ}0'$. M 3h. 41m. 3rd Sunday in Lent. St. Winnold. 1841. Sir John Murray, Oceanographer, b. [d. 16 March, 1914].	Post Weekly Returns. 62. Climatological stations. Schedule day.
MONDAY, 4th. \odot S $6^{\circ}6'$. M 4h. 29m.	*63. Obs.—Send curves and tabulations to complete February. Post Anemograms. Post Barograms. Balloon day.
TUESDAY, 5th. \odot S $6^{\circ}3'$. M 5h. 20m.	H.D.I. 64. Balloon day.
WEDNESDAY, 6th. \odot S $5^{\circ}9'$. M 6h. 13m. (Last quarter 0h. 44m.)	*65. Balloon day.
THURSDAY, 7th. \odot S $5^{\circ}6'$. M 7h. 8h. 1792. Sir J. F. W. Herschel, Astronomer, b. [d. 11 May, 1871].	66. Obs.—Send curves and tabulations. Balloon day.
FRIDAY, 8th. \odot S $5^{\circ}1'$. M 8h. 4m. 1890. Thunderstorm and whirlwind at York. (Q.J.)	*67. Balloon day.
SATURDAY, 9th. \odot S $4^{\circ}7'$. M 9h. 1m.	68. Obs.—Close Journal, 12. Balloon day.

Times of Sunrise, Noon and Sunset, G.M.T., March 3rd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 5	12 24	17 43	Cahirciveen	7 24	12 53	18 22
Aberdeen	6 58	12 20	17 43	Richmond	6 43	12 13	17 43
Eskdalemuir	7 0	12 25	17 50	Falmouth	7 0	12 32	18 4

Week 11. MARCH 10TH TO MARCH 16TH, 1918. Days 69 to 75.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, MARCH 10th. 4th Sunday in Lent. 1899. Discovery of the Stratosphere by Teisserenc de Bort.	☉ S 4° 3'. M 9h. 56m.	Post Weekly Returns. *69.
MONDAY, 11th. 1811. Leverrier, French Astronomer, b. [d. 23 Sept. 1877]. 1872. Weather Charts first included in D.W.R. 1911. Western European Standard time (G.M.T.) adopted in France.	☉ S 3° 9'. M 10h. 50m.	Post Anemograms. 70. Post Barograms. M.O.—Discussion, 17h.
TUESDAY, 12th.	☉ S 3° 5'. M 11h. 45m. ● New Moon 19h. 52m.	H.D.I. *71.
WEDNESDAY, 13th. 1900. Highest barometer reading on board ship in N. Atlantic, 31·09 in. (1054 mb.), S.S. "Lumen" in 55° N., 24° W.	☉ S 3° 1'. M 12h. 39m.	72.
THURSDAY, 14th. 1905. Highest gust on record for M.O. anemo- graphs, 46 m/s (103 mi/hr) at Pendennis.	☉ S 2° 7'. M 13h. 34m.	M.O.—Quarterly issue of forms. *73. Obs.—Send curves and tabu- lations.
FRIDAY, 15th. 1615. Highest flood ever known in Norwich.— (Geol. Memoir. Woodward.)	☉ S 2° 3'. M 14h. 30m.	74.
SATURDAY, 16th.	☉ S 1° 9'. M 15h. 27m.	Obs.—Close Journal, 13. *75.

Times of Sunrise, Noon and Sunset, G.M.T., March 10th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	6 47	12 23	17 59	Cahirciveen	7 8	12 51	18 35
Aberdeen	6 40	12 19	17 59	Richmond	6 27	12 11	17 56
Eskdalemuir	6 42	12 23	18 4	Falmouth	6 46	12 31	18 16

Week 12. MARCH 17TH TO MARCH 23RD, 1918. Days 76 to 82.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, MARCH 17th. St. Patrick. 5th Sunday in Lent.	☉ S 1° 6'. M 16h. 25m.	Post Weekly Returns. 76.
MONDAY, 18th. Birthday of Duchess of Argyll.	☉ S 1° 2'. M 17h. 22m.	Flag day. *77. Post Anemograms. Post Barograms.
TUESDAY, 19th. St. Joseph.	☉ S 0° 8'. M 18h. 17m. ☾ First Quarter 13h. 30m.	H.D.I. 78.
WEDNESDAY, 20th. Vernal Equinox. 1727. Sir Isaac Newton d. (b. Dec. 25th, 1642).	☉ S 0° 4'. M 19h. 9m.	*79.
THURSDAY, 21st. St. Benedict. 1893. First registering balloon ascent. (Her- mite and Besançon.)	☉ S 0° 0'. M 19h. 59m.	Obs.—Send curves and tabu- lations. 80.
FRIDAY, 22nd. 1682. River Thames, at London, ebbed and flowed three times in four hours.—(LOWE.) 1903. Eruption of La Soufrière.	☉ N 0° 6'. M 20h. 45m.	*81.
SATURDAY, 23rd.	☉ N 0° 8'. M 21h. 28m.	Obs.—Close Journal, 14. 82.

Times of Sunrise, Noon and Sunset, G.M.T., March 17th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	6 26	12 21	18 16	Cahirciveen	6 50	12 49	18 48
Aberdeen	6 21	12 17	18 14	Richmond	6 10	12 9	18 8
Eskdalemuir	6 24	12 21	18 18	Falmouth	6 31	12 29	18 27

Week 13. MARCH 24TH TO MARCH 30TH, 1918. Days 83 to 89.

Astronomical and Historical Notes.		Diary.	
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.			
SUNDAY, MARCH 24th.	☉ N 1·2°. M 22h. 10m.	*83. Post Weekly Returns.	
Palm Sunday. 1878. "Eurydice" line-squall. (Q.J.) 1895. Destructive secondary passed across England. (F.W.)* 1902. Circular storm. Hourly wind velocity, 18·8 m/s (42 mi/hr), Valencia. (L.H.)†			
MONDAY, 25th.	☉ N 1·6°. M 22h. 51m.	84. Post Anemograms. Post Barograms. M.O.—Discussion, 17h.	
Lady Day.			
TUESDAY, 26th.	☉ N 2·0°. M 23h. 31m.	*85. H.D.I.	
WEDNESDAY, 27th.	☉ N 2·4°. — ☉ Full Moon, 15h. 33m.	86.	
THURSDAY, 28th.	☉ N 2·8°. M 6h. 12m.	*87. Obs.—Send curves and tabulations.	
1916. Gale and snowstorm; highest gust at Richmond, 31·1 m/s (72 mi/hr). Great destruction of trees in Midland and Home Counties.			
FRIDAY, 29th, Good Friday	☉ N 3·2°. M 0h. 55m.	88.	
SATURDAY, 30th, Easter Eve	☉ N 3·6°. M 1h. 39m.	*89. Obs.—Close Journal, 15. M.O.—Geophysical Journal, January Copy day.	

Times of Sunrise, Noon and Sunset, G.M.T., March 24th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	6 7	12 19	18 30	Cahirciveen	6 31	12 47	18 59
Aberdeen	6 1	12 15	18 29	Richmond	5 55	12 7	18 19
Eskdalemuir	6 6	12 19	18 32	Falmouth	6 15	12 26	18 37

* Forecasting Weather, by Sir Napier Shaw, F.R.S.

† Life History of Surface Air Currents, M.O. Publication 174.

Week 14. MARCH 31ST TO APRIL 6TH, 1918. Days 90 to 96.

Astronomical and Historical Notes.		Diary.	
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.			
SUNDAY, MARCH 31st.	☉ N 3·9°. M 2h. 26m.	90. Flag day. Post Weekly Returns. Obs.—Close Journal, 16.	
EASTER DAY. Birthday of Prince Henry.			
MONDAY, APRIL 1st.	☉ 4·3°. M 3h. 16m.	*91. Post Anemograms. Post Barograms. M.O.—Press closed.	
1879. Issue of forecasts resumed. First publication by "The Times" of the 8 a.m. Weather Map.			
TUESDAY, 2nd.	☉ N 4·7°. M 4h. 7m.	92. H.D.I.	
1797. J. P. Gassiot, Benefactor Kew Observatory, b. [d. 15 Aug. 1877].			
WEDNESDAY, 3rd.	☉ N 5·1°. M 5h. 1m.	*93. Climatological stations. Schedule day.	
1617. Napier of Merchiston, inventor of logarithms, d. [b. 1550]. 1850. Royal Meteorological Society founded as British Meteorological Society.			
THURSDAY, 4th.	☉ N 5·5°. M 5h. 55m.	94. Obs.—Send curves and tabulations to complete March and week 13. Balloon day.	
1114. River Thames, in London, so dry that children waded over between the bridges and the town.—(Stow).			
FRIDAY, 5th.	☉ N 5·9°. M 6h. 49m.	*95.	
25th March, Old Style, Lady Day, and New Year's Day, 1700 to 1750.			
SATURDAY, 6th.	☉ N 6·2°. M 7h. 43m.	96. Obs.—Close Journal, 17.	
1580. Severe earthquake in London. 1909. Commander Peary, U.S.N., at the North Pole.			

Times of Sunrise, Noon and Sunset, G.M.T., March 31st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 45	12 16	18 48	Cahirciveen	6 21	12 45	19 9
Aberdeen	5 44	12 12	18 41	Richmond	5 41	12 5	18 29
Eskdalemuir	5 50	12 17	18 44	Falmouth	6 3	12 25	18 47

Week 15. APRIL 7TH TO APRIL 13TH, 1918. Days 97 to 103.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, APRIL 7th. \odot N 6.6°. M 8h. 36m. LOW SUNDAY. 1809. James Glaisher, meteorologist and balloonist, b. [d. 7th Feb., 1903]. 1815. Tomboro eruption, April 7th-12th.	*97. Post Weekly Returns.	
MONDAY, 8th. \odot N 7.0°. M 9h. 28m. 1917. Summer Time adopted. Railway and P.O. clocks moved forward one hour.	98. Post Anemograms. Post Barograms. M.O.—Press closed.	
TUESDAY, 9th. \odot N 7.4°. M 10h. 21m.	*99. H.D.I.	
WEDNESDAY, 10th. \odot N 7.7°. M 11h. 16m.	100.	
THURSDAY, 11th. \odot N 8.1°. M 12h. 12m. ● New Moon 4h. 34m. 1829. Alexander Buchan, meteorologist, b. [d. 13 May, 1907]. Cold spell in Scotland, April 11th-14th (Borrowing Days)—BUCHAN.	*101. Obs.—Send curves and tabulations.	
FRIDAY, 12th. \odot N 8.5°. M 13h. 10m.	102. Sunshine stations. Summer Cards to be used from 13th April until 31st Aug.	
SATURDAY, 13th. \odot N 8.8°. M 14h. 9m.	*103. Obs.—Close Journal, 18.	

Times of Sunrise, Noon and Sunset, G.M.T., April 7th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	5 26	12 14	19 3	Cahirceveen	6 0	12 43	19 23
Aberdeen ...	5 20	12 10	19 1	Richmond ...	5 24	12 3	18 42
Eskdalemuir	5 27	12 14	19 0	Falmouth ...	5 43	12 22	18 59

Week 16. APRIL 14TH TO APRIL 20TH, 1918. Days 104 to 110.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, APRIL 14th. \odot N 9.2°. M 15h. 9m. Princess Beatrice's Birthday. 1629. Huyghens, Natural Philosopher, b. [d. June 8, 1695].	Flag day. 104. Post Weekly Returns.	
MONDAY, 15th. \odot N 9.6°. M 16h. 7m. 1912. S.S. "Titanic" sunk by iceberg in Atlantic, 41° 16' N., 50° 14' W. 1800. James Clarke Ross, Antarctic Explorer, b. [d. April 3, 1862].	*105. Post Anemograms. Post Barograms.	
TUESDAY, 16th. \odot N 9.9°. M 17h. 2m. 1682. John Hadley, Inventor of the Sextant, b. [d. 15 Feb., 1744]. 1786. Sir John Franklin, Explorer, b. [d. 1847].	106. H.D.I.	
WEDNESDAY, 17th. \odot N 10.3°. M 17h. 53m.	*107.	
THURSDAY, 18th. \odot N 10.6°. M 18h. 41m.	108. Obs.—Send curves and tabulations.	
FRIDAY, 19th. \odot N 11.0°. M 19h. 26m.	*109.	
SATURDAY, 20th. \odot N 11.3°. M 20h. 8m.	110. Obs.—Close Journal, 19.	

Times of Sunrise, Noon and Sunset, G.M.T., April 14th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	5 6	12 13	19 20	Cahirceveen	5 47	12 41	19 35
Aberdeen ...	5 4	12 9	19 14	Richmond ...	5 8	12 1	18 54
Eskdalemuir	5 13	12 13	19 13	Falmouth ...	5 30	12 20	19 11

Week 17. APRIL 21ST TO APRIL 27TH, 1918. Days 111 to 117.

Astronomical and Historical Notes. Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, APRIL 21st. \odot N 11.7°. M 20h. 49m.	Post Weekly Returns. *111.
MONDAY, 22nd. \odot N 12.0°. M 21h. 30m. 1884. Colchester Earthquake.	Post Anemograms. 112. Post Barograms.
TUESDAY, 23rd. \odot N 12.3°. M 22h. 11m. St. George. 1792. T. R. Robinson, Astronomer and Meteorologist, b. [d. 28 Feb. 1882].	H.D.I. *113.
WEDNESDAY, 24th. \odot N 12.7°. M 22h. 53m.	114.
THURSDAY, 25th. \odot N 13.0°. M 23h. 37m. St. Mark. Princess Mary's birthday. 1791. Major-Gen. W. Reid, R.E., b. [d. 31 Oct., 1858]. "Law of Storms." 1908. Great Snowfalls, Midlands and South.—(M.W.R.)	Flag day. *115. Obs.—Send curves and tabulations.
FRIDAY, 26th. \odot N 13.3°. M 23h. 5m. Full Moon 8h. 5m. 1908. Great Snowfalls, Midlands and South.—(M.W.R.) 1916. Aeroplane height record.—H. G. Hawker, 7,200m. (23,622 feet).	116.
SATURDAY, 27th. \odot N 13.7°. M 0h. 23m.	M.O.—W.W.R. App. I. Copy day. *117. Obs.—Close Journal, 20.

Times of Sunrise, Noon and Sunset, G.M.T., April 21st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	4 47	12 11	19 34	Cahirciveen	5 33	12 40	19 46
Aberdeen	4 46	12 7	19 29	Richmond	4 54	12 40	19 6
Eskdalemuir	4 56	12 11	19 28	Falmouth	5 16	12 19	19 22

Week 18. APRIL 28TH TO MAY 5TH, 1918. Days 118 to 124.

Astronomical and Historical Notes. Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, APRIL 28th. \odot N 14.0°. M 1h. 12m.	Post Weekly Returns. 118.
MONDAY, 29th. \odot N 14.3°. M 2h. 4m.	M.O.—Geophysical Journal, February Copy day. *119. Post Anemograms. Post Barograms.
TUESDAY, 30th. \odot N 14.6°. M 2h. 57m. 1777. Karl Friedrich Gauss, Magnetician, b. [d. 23 Feb., 1858].	Obs.—Close Journal, 21. 120.
WEDNESDAY, MAY 1st. \odot N 14.9°. M 3h. 51m. St. Philip and St. James. Duke of Connaught's birthday. 1914. Millibars used for pressure and millimetres for rainfall in the Daily Weather Report.	Flag day. *121. Balloon day.
THURSDAY, 2nd. \odot N 15.2°. M 4h. 44m.	Obs.—Send curves and tabulations. 122. Balloon day.
FRIDAY, 3rd. \odot N 15.5°. M 5h. 37m. (Last quarter 14h. 26m.) 1698. A great deep snow all over England.—(LOWE.)	Climatological stations. *123. Schedule day. Balloon day.
SATURDAY, 4th. \odot N 15.8°. M 6h. 28m. 1697. Thunderstorm at Hitchin, with hailstones 13 or 14 ins.—(LOWE.)	Obs.—Send curves and tabulations to complete April. 124. Obs.—Close Journal, 22.

Times of Sunrise, Noon and Sunset, G.M.T., April 28th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	4 29	12 9	19 50	Cahirciveen	5 18	12 38	19 58
Aberdeen	4 29	12 6	19 44	Richmond	4 39	11 58	19 17
Eskdalemuir	4 39	12 10	19 41	Falmouth	5 3	12 17	19 32

Week 19. MAY 5TH TO MAY 11TH, 1918. Days 125 and 131.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, MAY 5th.	☉ N 16°1'. M 7h. 19m.	Post Weekly Returns. *125.
MONDAY, 6th.	☉ N 16°4'. M 8h. 10m.	Flag day. 126. Post Anemograms. Post Barograms.
1910. Accession of King George V. 1915. Thunderstorms with very heavy rain (75 mm.) in the central and northern parts of London.		
TUESDAY, 7th.	☉ N 16°7'. M 9h. 1m.	*127. H.D.I.
1902. La Souffrière, St. Vincent, in eruption.		
WEDNESDAY, 8th.	☉ N 16°9'. M 9h. 56m.	128.
1902. Mont Pelée eruption, Martinique.		
THURSDAY, 9th.	☉ N 17°2'. M 10h. 52m.	*129. Obs.—Send curves and tabulations.
Ascension Day.		
FRIDAY, 10th.	☉ N 17°5'. M 11h. 50m. ● New Moon 13h. 1m.	130.
SATURDAY, 11th, St. Mamertius.	☉ N 17°8'. M 12h. 50m.	*131. Obs.—Close Journal, 23.

Times of Sunrise, Noon and Sunset, G.M.T., May 5th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 12	12 9	20 6	Cahireiveen	5 5	12 38	20 10
Aberdeen ...	4 12	12 5	19 58	Richmond ...	4 26	11 58	19 29
Eskdalemuir	4 24	12 9	19 55	Falmouth ...	4 50	12 17	19 43

Week 20. MAY 12TH TO MAY 18TH, 1918. Days 132 to 139.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, MAY 12th.	☉ N 18°0'. M 13h. 50m.	Post Weekly Returns. 132.
St. Pancras. Approximate average date of commencement of cold spell at Kew (M.O. 154).*		
MONDAY, 13th.	☉ N 18°3'. M 14h. 48m.	Post Anemograms. *133. Post Barograms.
St. Gervais.		
TUESDAY, 14th.	☉ N 18°5'. M 15h. 43m.	H.D.I. 134.
1686. Gabriel Daniel Fahrenheit, b. [d. 16 Sept. 1736].		
WEDNESDAY, 15th.	☉ N 18°8'. M 16h. 34m.	*135.
1835. Henrik Mohn, Norwegian Meteorologist, b. [d. 12 Sept. 1916]. Approximate average date of commencement of cold spell at Aberdeen and Falmouth (M.O. 154).*		
THURSDAY, 16th.	☉ N 19°0'. M 17h. 20m.	136. Obs.—Send curves and tabulations.
FRIDAY, 17th.	☉ N 19°2'. M 18h. 4m.	*137.
) First Quarter 20h. 14m. 1906. Valparaiso earthquake.		
SATURDAY, 18th.	☉ N 19°4'. M 18h. 46m.	138. Obs.—Close Journal, 24.
1888. Thunderstorms over England and Scotland. (Q.J.) 1906. San Francisco earthquake.		

Times of Sunrise, Noon and Sunset, G.M.T., May 12th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 54	12 8	20 22	Cahireiveen	4 52	12 37	20 22
Aberdeen ...	3 57	12 5	20 13	Richmond ...	4 14	11 57	19 40
Eskdalemuir	4 10	12 9	20 8	Falmouth ...	4 39	12 16	19 54

* One of the numbered publications of the Meteorological Office.

Week 21. MAY 19TH TO MAY 25TH, 1918. Days 139 to 145.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.	
SUNDAY, MAY 19th. WHIT SUNDAY. St. Dunstan.	☉ N 19° 7'. M 19h. 27m.	Post Weekly Returns.	*139.
MONDAY, 20th. 1916. Summer Time adopted. Railway and P.O. clocks moved forward one hour.	☉ N 19° 9'. M 20h. 8m.	Post Anemograms. Post Barograms. M.O.—Press closed.	140.
TUESDAY, 21st.	☉ N 20° 1'. M 20h. 50m.	H.D.I.	*141.
WEDNESDAY, 22nd. 1867. Snow on Derby day. (S.M. 1896).	☉ N 20° 3'. M 21h. 33m.		142.
THURSDAY, 23rd. 1867. M.O. Daily Charts begun.	☉ N 20° 5'. M 22h. 19m.	Obs.—Send curves and tabu- lations.	*143.
FRIDAY, 24th. Empire Day. 1545. William Gilbert of Colchester, magnetician, b. [d. 30 Nov. 1603].	☉ N 20° 7'. M 23h. 7m.	Flag day.	144.
SATURDAY, 25th. St. Urban. Princess Christian's birthday.	☉ N 20° 9'. M 23h. 58m. ☉ Full Moon 22h. 32m.	Flag day. Obs.—Close Journal, 25.	*145.

Times of Sunrise, Noon and Sunset, G.M.T., May 19th.

	h. m.				h. m.		
Wick ...	3	40	12	8	20	37	
Aberdeen ...	3	44	12	5	20	27	
Eskdalemuir	3	58	12	9	20	20	
Cahiriveen ...	4	43	12	37	20	30	
Richmond ...	4	5	11	57	19	49	
Falmouth ...	4	31	12	17	20	4	

Week 22. MAY 26TH TO JUNE 1ST, 1918. Days 146 to 152.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.	
		Last week of Spring Quarter.	
SUNDAY, MAY 26th. TRINITY SUNDAY. Birthday of Queen Mary.	☉ N 21° 0'. —	Flag day. Post Weekly Returns.	146.
MONDAY, 27th.	☉ N 21° 2'. M 0h. 51m.	Post Anemograms. Post Barograms.	*147.
TUESDAY, 28th.	☉ N 21° 4'. M 1h. 46m.	H.D.I.	148.
WEDNESDAY, 29th. 1914. S.S. "Empress of Ireland" sunk in St. Lawrence River.	☉ N 21° 5'. M 2h. 41m.		*149.
THURSDAY, 30th.	☉ N 21° 7'. M 3h. 34m.	Obs.—Send curves and tabu- lations.	150.
FRIDAY, 31st. 1905. First meeting of the Meteorological Committee. 1911. Thunderstorm at Epsom, 2.44 in. (62 mm.) rain in 50 m. (Derby Day). (W.W.R.)*	☉ N 21° 8'. M 4h. 26m.	M.O.—Geophysical Journal, March Copy day. Obs.—Close Journal, 26.	*151.
SATURDAY, JUNE 1st. 1796. Sadi Carnot, Physicist, b. [d. June. 1832]. 1831. North magnetic pole located by J. C. Ross. 1908. Thunder squall at Bushy, rain estimated at 275 in. (7 mm.) in two minutes.	☉ N 22° 0'. M 5h. 16m.	M.O.—Observer's Handbook. Copy day. Obs.—Close Journal, 27.	152.

Times of Sunrise, Noon and Sunset, G.M.T., May 26th.

	h. m.				h. m.		
Wick ...	3	28	12	8	20	51	
Aberdeen ...	3	31	12	5	20	39	
Eskdalemuir	3	48	12	10	20	32	
Cahiriveen ...	4	35	12	38	20	41	
Richmond ...	3	56	11	58	20	0	
Falmouth ...	4	22	12	17	20	13	

* Weekly Weather Report.

Week 23. JUNE 2ND TO JUNE 8TH, 1918. Days 153 to 159.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary. First week of Summer Quarter.	
SUNDAY, JUNE 2nd.	☉ N 22° 1'. M 6h. 6m. ☾ Third quarter 4h. 20m.	Post Weekly Returns.	*153.
MONDAY, 3rd.	☉ N 22° 2'. M 6h. 56m.	Flag day. Post Anemograms. Post Barograms.	154.
TUESDAY, 4th.	☉ N 22° 4'. M 7h. 47m.	Post Monthly Climatologi- cal Returns. H.D.I.	*155.
WEDNESDAY, 5th.	☉ N 22° 5'. M 8h. 40m.	Obs.—Send curves and Tabu- lations to complete May.	156.
THURSDAY, 6th.	☉ N 22° 6'. M 9h. 36m. 1868. Robert Falcon Scott b. [d. 29th March, 1912]. 1912. Eruption of Katmai, Alaska. 1915. Hawker reached 5,600 m. in an aeroplane.	Balloon day. Obs.—Send curves and tabu- lations to complete Week 22.	*157.
FRIDAY, 7th.	☉ N 22° 7'. M 10h. 34m. Corpus Christi. 1892. Great Sangir in Eruption.		158.
SATURDAY, 8th.	☉ N 22° 8'. M 11h. 34m. ● New Moon 22h. 3m. St. Medard. 1783. Eruption of Skaptar Jökull.	Obs.—Close Journal,	*159.

Times of Sunrise, Noon and Sunset, G.M.T., June 2nd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 16	12 10	21 4	Cahirciveen	4 28	12 39	20 49
Aberdeen ...	3 23	12 6	20 49	Richmond ...	3 50	11 59	20 8
Eskdalemuir	3 41	12 11	20 42	Falmouth ...	4 17	12 18	20 19

Week 24. JUNE 9TH TO JUNE 15TH, 1918. Days 160 to 166.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.	
SUNDAY, JUNE 9th.	☉ N 22° 9'. M 12h. 33m. 1886. Eruption of Tarawera.	Post Weekly Returns.	160.
MONDAY, 10th.	☉ N 23° 0'. M 13h. 29m.	Post Anemograms. Post Barograms.	*161.
TUESDAY, 11th.	☉ N 23° 1'. M 14h 23m. St. Barnabas.	H.D.I.	162.
WEDNESDAY, 12th.	☉ N 23° 1'. M 15h. 12m.		*163.
THURSDAY, 13th.	☉ N 23° 2'. M 15h. 58m. 1903. Beginning of 3 days' continuous rainfall in London.	M.O.—Quarterly issue of forms. Obs.—Send curves and tabu- lations.	164.
FRIDAY, 14th.	☉ N 23° 2'. M 16h. 41m. 1914. Remarkable thunderstorms on south- western outskirts of London. Rainfall at Richmond Park 3·7 in. (94 mm.).		*165.
SATURDAY, 15th.	☉ N 23° 3'. M 17h. 23m. 1854. Department for Marine Meteorology initiated by Mr. Cardwell for the Board of Trade. 1914. Severe thunderstorm, with subsidence of streets, at Paris.	Obs.—Close Journal, 29.	166.

Times of Sunrise, Noon and Sunset, G.M.T., June 9th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 9	12 11	21 12	Cahirciveen	4 23	12 40	20 57
Aberdeen ...	3 17	12 8	20 59	Richmond ...	3 46	12 0	20 14
Eskdalemuir	3 35	12 12	20 49	Falmouth ...	4 13	12 19	20 27

Week 25. JUNE 16TH TO JUNE 22ND, 1918. Days 167 to 173.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JUNE 16th. \odot N 23° 3'. M 18h. 4m. First quarter 13h. 12m. 1914. Thunderstorm, Bavaria. Damage by hail and floods.		*167. Post Weekly Returns.
MONDAY, 17th. \odot N 23° 4'. M 18h. 45m. Third Earl of Rosse, Astronomer, b. 1800, [d. 31 Oct., 1867]. 1913. Eruption of Asama-yama, Japan. 1914. Collision during fog between the liner "Kaiser Wilhelm II" and "Incemore" (Liverpool) in the Channel.		168. Post Anemograms. Post Barograms.
TUESDAY, 18th. \odot 23° 4'. M 19h. 27m. 1914. Stranding of "Büllo" near Portland, owing to fog. 1783. Eruption of Skaptar Jökull.		*169. H.D.I.
WEDNESDAY, 19th. \odot N 23° 4'. M 20h. 12m. St. Protas. 1914. Heavy local rainstorms in Scotland resulting in a serious railway accident at Carr Bridge (Inverness). 1623. Blaise Pascal, Philosopher, b. [d. 19 Aug. 1662].		170.
THURSDAY, 20th. \odot N 23° 4'. M 20h. 59m.		*171. Obs.—Send curves and tabulations.
FRIDAY, 21st. \odot N 23° 4'. M 21h. 50m. Summer Solstice. 1821. Georg von Neumayer, Australian and German Meteorologist, b. [d. 24 May, 1909].		172.
SATURDAY, 22nd. \odot N 23° 4'. M 22h. 43m. Coronation Day.		*173. Flag day. Obs.—Close Journal, 30.

Times of Sunrise, Noon and Sunset, G.M.T., June 16th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 7	12 12	21 18	Cahirciveen	4 22	12 42	21 1
Aberdeen ...	3 14	12 9	21 4	Richmond ...	3 45	12 2	20 18
Eskdalemuir	3 32	12 13	20 54	Falmouth ...	4 11	12 21	20 31

Week 26. JUNE 23RD TO JUNE 29TH, 1918. Days 174 to 180.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JUNE 23rd. \odot N 23° 4'. M 23h. 7m. Birthday of Prince of Wales.		Flag day. 174. Post Weekly Returns.
MONDAY, 24th. \odot N 23° 4'. — St. John. \odot Full Moon 10h. 38m. MIDSUMMER DAY. 1035. Frost on Midsummer Day; so vehement that corn and fruit were destroyed.—(LOWE.) 1777. Sir John Ross, Arctic Explorer, b. [d. 30 Aug. 1856].		*175. Post Anemograms. Post Barograms.
TUESDAY, 25th. \odot N 23° 4'. M 0h. 33m.		176. H.D.I.
WEDNESDAY, 26th. \odot N 23° 4'. M 1h. 28m. 1824. William Thomson, Lord Kelvin, Natural Philosopher, b. [d. 17 Dec. 1907].		*177.
THURSDAY, 27th. \odot N 23° 4'. M 2h. 21m. 1914. H. Bier with a passenger reached a height of 6,170 m. (20,243 feet) in an aeroplane.		178. Obs.—Send curves and tabulations.
FRIDAY, 28th. \odot N 23° 3'. M 3h. 13m. 1917. Exceedingly heavy rain in Somerset. More than 150 mm. were measured in several places, 249 mm. (9·8 in.) at Bruton. This is the largest fall ever recorded in one day in any part of the United Kingdom. (See also Oct. 11.)		*179.
SATURDAY, 29th. \odot N 23° 3'. M 4h. 3m. S.S. Peter and Paul.		180. Obs.—Close Journal, 31.

Times of Sunrise, Noon and Sunset, G.M.T., June 23rd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 8	12 14	21 20	Cahirciveen	4 23	12 43	12 3
Aberdeen ...	3 15	12 10	21 6	Richmond ...	3 46	12 3	20 20
Eskdalemuir	3 34	12 15	20 57	Falmouth ...	4 12	12 22	20 32

Week 27. JUNE 30TH TO JULY 6TH, 1918. Days 181 to 187.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JUNE 30th. \odot N 23-2°. M 4h. 33m. 1879. First issue of forecasts during Harvest season.	*181. Post Weekly Returns. Day for delivery of Magnetic Material for Hourly Values (Year Book, Pt. IV., 1918). M.O.—Geophysical Journal, April Copy day. Obs.—Close Journal, 32.	
MONDAY, JULY 1st. \odot N 23-2°. M 5h. 43m. 1910. Administration of Kew and Eskdale observatories transferred to M.O.	182. Post Anemograms. Post Barograms.	
TUESDAY, 2nd. \odot N 23-1°. M 6h. 35m.	H.D.I. *183.	
WEDNESDAY, 3rd. \odot N 23-0°. M 7h. 29m.	184.	
THURSDAY, 4th. \odot N 22-9°. M 8h. 25m. St. Martin Bullion.	*185. Post Monthly Climatological Returns. Obs.—Send curves and tabulations. Balloon Day.	
FRIDAY, 5th. \odot N 22-8°. M 9h. 22m. 1805. Admiral Robert FitzRoy, b. [d. 30 April, 1865]. 1868. Issue of lithographed copies of Daily Weather Report on Sundays begun (see 12 Jan.)	186. Obs.—Send curves and tabulations to complete June.	
SATURDAY, 6th. \odot N 22-8°. 10 h. 21m. Wedding day of the King and Queen. Birthday of Princess Victoria. 1840. William Clement Ley, meteorologist, b. [d. 22 April, 1896].	Flag day. *187. Obs.—Close Journal, 33.	

Times of Sunrise, Noon and Sunset, G.M.T., June 30th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	3 10	12 15	21 20	Cahirciveen	4 26	12 44	21 2
Aberdeen	3 18	12 12	21 5	Richmond	3 49	12 4	20 19
Eskdalemuir	3 36	12 16	20 56	Falmouth	4 16	12 24	20 39

Week 28 JULY 7TH TO JULY 13TH, 1918. Days 188 to 194.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JULY 7th. \odot N 22-7°. M 11h. 18m. 1558. "Marvellous tempest of thunder" near Nottingham. Hailstones 15 in. in circumference.—(LOWE.)	188. Post Weekly Returns.	
MONDAY, 8th. \odot N 22-5°. M 12h. 12m. ● New Moon 8h. 22m. 1893. Thunder and hailstorms over England and S. Scotland. Hailstones 6-7 in. in circumference fell at Richmond, Yorks.—(Q J.) 1892. Mt. Etna in eruption. 1905. Kashgar earthquake.	*189. Post Anemograms. Post Barograms.	
TUESDAY, 9th. \odot N 22-4°. M 13h. 3m. 1845. George Howard Darwin, Natural Philosopher, b. [d. 7 Dec., 1912], Meteorological Council. 1877. Administration of the Office transferred from the Meteorological Committee of the Royal Society to the Meteorological Council. 1892. Mt. Etna in eruption.	H.D.I. 190.	
WEDNESDAY, 10th. \odot N 22-3°. M 13h. 51m. 1913. Highest temperature on the surface of the Globe, 134°F. at Greenland Ranch, on the edge of the Death Valley (Inyo County, California). See U.S. Monthly Weather Review, June, 1915.	*191.	
THURSDAY, 11th. \odot N 22-2°. M 14h. 35m. 1855. Scottish Meteorological Society founded.	192. Obs.—Send curves and tabulations.	
FRIDAY, 12th. \odot N 21-1°. M 15h. 18m. Birthday of Prince John. 1901. Heavy rainfall at Maidenhead, 3.63 in. (92 mm.) in 1 hour. 1905. Final meeting of the Meteorological Council.	Flag day. *193.	
SATURDAY, 13th. \odot N 21-9°. M 15h. 59m.	194. Obs.—Close Journal, 34.	

Times of Sunrise, Noon and Sunset, G.M.T., July 7th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	3 19	12 17	21 14	Cahirciveen	4 31	12 46	21 0
Aberdeen	3 25	12 13	21 0	Richmond	3 54	12 6	20 17
Eskdalemuir	3 43	12 17	20 52	Falmouth	4 20	12 25	20 30

Week 29. JULY 14TH TO JULY 20TH, 1918. Days 195 to 201.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JULY 14th. ☉ N 21° 8'. M 16h. 40m. S.S. Processus and Martinian. 1875. Heavy rainfall over Monmouthshire, 5 in. (127 mm.) in 24 hrs.		*195. Post Weekly Returns.
MONDAY, 15th. ☉ N 21° 6'. M 17h. 22m. ☾ First quarter 6h. 25m. St. Swithin. 1881. Beginning of four days' spell of very hot weather over England S.E., 97° F. (309a) at Greenwich, 95° F. (308a) at Camden Square; and with abnormal exposure, 101° F. (311a) at Alton, Hants. 100° F. (311a) at Alderbury, Salisbury.—(S.M.) 1888. Bandai San in eruption.		196. Post Anemograms. Post Barograms.
TUESDAY, 16th. ☉ N 21° 5'. M 18h. 6m.		H.D.I. *197.
WEDNESDAY, 17th. ☉ N 21° 3'. M 18h. 51m. 1666. "Hailstorm in Suffolk. Hailstones 9 in., 8 in., 12 in. At Friston Hall, one weighed 12s. 6d."—(LOWE.)		198.
THURSDAY, 18th. ☉ N 21° 2'. M 19h. 40m.		*199. Obs.—Send curves and tabulations.
FRIDAY, 19th. ☉ N 20° 9'. M 20h. 31m.		200.
SATURDAY, 20th. ☉ N 20° 8'. M 21h. 25m. St. Margaret. St. Jacob.		*201. Obs.—Close Journal, 35.

Times of Sunrise, Noon and Sunset, G.M.T., July 14th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 29	12 18	21 6	Cahiriveen	4 38	12 47	20 55
Aberdeen ...	3 34	12 14	20 53	Richmond ...	4 1	12 7	20 12
Eskdalemuir	3 51	12 18	20 45	Falmouth ...	4 26	12 26	20 25

Week 30. JULY 21ST TO JULY 27TH, 1918. Days 202 to 208.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JULY 21st. ☉ N 20° 6'. M 22h. 20m.		202. Post Weekly Returns.
MONDAY, 22nd. ☉ N 20° 4'. M 23h. 16m. St. Mary Magdalene. 1868. 96° F. (309a) at Greenwich. 100° 5° F. (311a) at Tonbridge.		*203. Post Anemograms. Post Barograms.
TUESDAY, 23rd. ☉ N 20° 2'. M 20h. 35m. ☾ Full Moon.		H.D.I. 204.
WEDNESDAY, 24th. ☉ N 20° 0'. M 0h. 11m. 1817. Sir Richard Strachey, Chairman of the Meteorological Council, b. [d. 12 Feb. 1908].		*205.
THURSDAY, 25th. ☉ N 19° 8'. M 1h. 5m. St. James.		206. Obs.—Send curves and tabulations.
FRIDAY, 26th. ☉ N. 19° 6'. M 1h. 57m.		*207.
SATURDAY, 27th. ☉ N 19° 4'. M 2h. 50m. 1801. Sir George Biddell Airy, Astronomer Royal, b. [d. 2 Jan. 1892].		208. Obs.—Close Journal, 36.

Times of Sunrise, Noon and Sunset, G.M.T., July 21st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 41	12 18	20 55	Cahiriveen	4 47	12 47	20 48
Aberdeen ...	3 46	12 15	20 43	Richmond ...	4 10	12 7	20 4
Eskdalemuir	4 2	12 19	20 36	Falmouth ...	4 34	12 26	20 18

Week 31. JULY 28TH TO AUGUST 3RD, 1918. Days 209 to 215.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JULY 28th. ☉ N 19° 1'. M 3h. 40m. 1911. Thunderstorm and "record" wind at South Kensington, 1.1 in. (28 mm.) of rain in 15 mins. Gust, 24.1 m/s (54 mi/hr), at 17h. 16m.	*209. Post Weekly Returns.
MONDAY, 29th. ☉ N 18° 9'. M 24h. 32m. 1588. Spanish Armada finally dispersed by a storm.	210. M.O.—W.W.R. App. I. Copy day. Post Anemograms. Post Barograms.
TUESDAY, 30th. ☉ N 18° 7'. M 5h. 25m. (Third quarter, 13h. 14m.)	*211. H.D.I.
WEDNESDAY, 31st. ☉ N 18° 4'. M 6h. 20m. John Milne d. 1913 [b. 1850]. 1901. Berson's highest manned balloon ascent, Berlin (more than 10,300m.).	212. M.O.—Geophysical Journal. May Copy day. Calendar Copy Day. Obs.—Close Journal, 37.
THURSDAY, AUGUST 1st. ☉ N 18° 2'. M 7h. 17m. Lammas Day. 1861. Weather forecasts first issued by Admiral FitzRoy in this month. 1910. First report by radiotelegraphy from Gibraltar.	*213. Obs.—Send curves and tabu- lations. Balloon day.
FRIDAY, 2nd. ☉ N 17° 9'. M 8h. 14m. 1829. Great floods commenced in Moray. (See Account by Sir Thomas Dick Lauder.) 1906. Exceptionally destructive hailstorm over the east Midland Counties: value of uninsured crops destroyed estimated at £55,000,— (M.W.R.)*	214.
SATURDAY, 3rd. ☉ N 17° 7'. 9h. 10m. 1879. Destructive hailstorm at Kew.	*215. Obs.—Close Journal, 38.

Times of Sunrise, Noon and Sunset, G.M.T., July 28th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 55	12 18	20 41	Cahirciveen	4 57	12 47	20 38
Aberdeen ...	3 59	12 15	20 30	Richmond ...	4 19	12 7	19 55
Eskdalemuir	4 13	12 19	20 24	Falmouth ...	4 44	12 27	20 9

* Weather Report.

Week 32. AUGUST 4TH TO AUGUST 10TH, 1918. Days 216 to 222.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, AUGUST 4th. ☉ N 17° 4'. M 10h. 5m. 1577. "Exceeding great and terrible tempeste" at Bungay, near Norwich.—(LOWE.)	216. Post Monthly Climato- logical Returns. Post Weekly Returns.
MONDAY, 5th. ☉ N 17° 1'. M 10h. 56m.	*217. Obs.—Send curves and tabu- lations to complete July. M.O.—Press closed. Post Anemograms. Post Barograms.
TUESDAY, 6th. ☉ N 16° 9'. M 11h. 45m. ● New Moon, 20h. 30m. 1838. George James Symons, founder of the British Rainfall Organization, b. [d. 10-Mar. 1900].	218. H.D.I.
WEDNESDAY, 7th. ☉ N 16° 6'. M 12h. 30m. 1811. Elias Loomis, Meteorologist, b. [d. 14 Aug. 1889].	*219.
THURSDAY, 8th. ☉ N 16° 3'. M 13h. 14m. 1851. First printed Daily Weather Map issued at the Great Exhibition.—(S.M.)	220. Obs.—Send curves and tabu- lations.
FRIDAY, 9th. ☉ N 16° 0'. M 13h. 56m. 1911. Hottest day on record in London, 100° F. (311a) at Greenwich (Glaisher screen); 97° F. (309a) at South Kensington. 1912. Earthquake, Sea of Marmora.	*221.
SATURDAY, 10th. ☉ N 15° 7'. M 14h. 37m. St. Lawrence. 1675. Greenwich Observatory founded.	222. Obs.—Close Journal, 39.

Times of Sunrise, Noon and Sunset, G.M.T., August 4th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 12	12 18	20 21	Cahirciveen	5 9	12 47	20 26
Aberdeen ...	4 12	12 14	20 15	Richmond ...	4 31	12 7	19 43
Eskdalemuir	4 26	12 19	20 11	Falmouth ...	4 53	12 26	19 57

Week 33. AUGUST 11TH TO AUGUST 17TH, 1918. Days 223 to 229.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, AUGUST 11th.	$\left\{ \begin{array}{l} \odot \text{ N } 15^{\circ} 4'. \\ \text{M } 15\text{h. } 18\text{m.} \end{array} \right.$	Post Weekly Returns. *223.
MONDAY, 12th.	$\odot \text{ N } 15^{\circ} 1'. \text{ M } 16\text{h. } 1\text{m.}$	Post Anemograms. 224. Post Barograms.
TUESDAY, 13th. 1819. Sir G. G. Stokes, b. [d. 2 Feb. 1903].	$\odot \text{ N } 14^{\circ} 8'. \text{ M } 16\text{h. } 45\text{m.}$	H.D.I. *225.
WEDNESDAY, 14th.	$\odot \text{ N } 14^{\circ} 5'. \text{ M } 17\text{h. } 31\text{m.}$ D First quarter, 23h. 16m.	226.
THURSDAY, 15th. Assumption of the B.V.M.	$\odot \text{ N } 14^{\circ} 2'. \text{ M } 18\text{h. } 21\text{m.}$	*227. M.O.—Half-yearly issue of cards to Sunshine stations. Obs.—Send curves and tabu- lations.
FRIDAY, 16th. 1887. Beginning of two days' thunderstorm over the metropolis.—(S.M.)	$\odot \text{ N } 13^{\circ} 9'. \text{ M } 19\text{h. } 12\text{m.}$	228.
SATURDAY, 17th.	$\odot \text{ N } 13^{\circ} 6'. \text{ M } 20\text{h. } 6\text{m.}$	*229. Obs.—Close Journal, 40.

Times of Sunrise, Noon and Sunset, G.M.T., August 11th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 26	12 17	20 8	Cahiriveen	5 19	12 46	20 14
Aberdeen ...	4 27	12 14	20 0	Richmond ...	4 41	12 6	19 31
Eskdalemuir	4 39	12 18	19 57	Falmouth ...	5 3	12 25	19 46

Week 34. AUGUST 18TH TO AUGUST 24TH, 1918. Days 230 to 236.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, AUGUST 18th.	$\left\{ \begin{array}{l} \odot \text{ N } 13^{\circ} 3'. \\ \text{M } 21\text{h. } 1\text{m.} \end{array} \right.$	Post Weekly Returns. 230.
MONDAY, 19th.	$\odot \text{ N } 13^{\circ} 0'. \text{ M } 21\text{h. } 57\text{m.}$	*231. Post Anemograms. Post Barograms.
TUESDAY, 20th.	$\odot \text{ N } 12^{\circ} 6'. \text{ M } 22\text{h. } 51\text{m.}$	H.D.I. 232.
WEDNESDAY, 21st.	$\odot \text{ N } 12^{\circ} 3'. \text{ M } 23\text{h. } 45\text{m.}$	*233.
THURSDAY, 22nd.	$\odot \text{ N } 12^{\circ} 0'. \text{ ———}$ $\odot \text{ Full Moon, } 5\text{h. } 2\text{m.}$	234. Obs.—Send curves and tabu- lations.
FRIDAY, 23rd. 1853. First meeting of Maritime Conference at Brussels.	$\odot \text{ N } 11^{\circ} 6'. \text{ M } 0\text{h. } 38\text{m.}$	*235.
SATURDAY, 24th. St. Bartholomew. 79. Eruption of Vesuvius.	$\odot \text{ N } 11^{\circ} 3'. \text{ M } 1\text{h. } 31\text{m.}$	236. Obs.—Close Journal, 41.

Times of Sunrise, Noon and Sunset, G.M.T., August 18th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 42	12 16	19 50	Cahiriveen	5 31	12 45	20 0
Aberdeen ...	4 41	12 12	19 43	Richmond ...	4 52	12 5	19 18
Eskdalemuir	4 52	12 17	19 42	Falmouth ...	5 14	12 24	19 34

Week 35. AUGUST 25TH TO AUGUST 31ST, 1918. Days 237 to 243.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary. Last week of Summer Quarter.
SUNDAY, AUGUST 25th. ☉ N 11° 0'. M 2h. 25m. 1905. Great rainfall in east Ireland.	*237. Post Weekly Returns.
MONDAY, 26th. ☉ N 10° 6'. M 3h. 19m. 1883. Krakatoa eruption. 1912. Flood rainfall in East Anglia. More than 8 in. (203 mm.) rain near Norwich. (Q.J. Vol. XXXIX.)	238. Post Anemograms. Post Barograms.
TUESDAY, 27th. ☉ N 10° 3'. M 4h. 15m. 1883. Krakatoa eruption.	H.D.I. *239.
WEDNESDAY, 28th. ☉ N 9° 9'. M 5h. 12m. ☾ Third quarter, 19h. 27m. 1859. Magnetic Storm.	240.
THURSDAY, 29th. ☉ N 9° 6'. M 6h. 10m.	*241. Obs.—Send curves and tabu- lations.
FRIDAY, 30th. ☉ N 9° 2'. M 7h. 6m. 55 B.C. Violent gale. Great damage to Julius Caesar's Fleet. (Date calculated by Halley.)— (LOWE.)	242.
SATURDAY, 31st. ☉ N 8° 8'. M 8h. 1m. 1848. Publication in the "Daily News" of the earliest known telegraphic Daily Weather Report. (Q.J.)	*243. M.O. Geophysical Journal, June Copy day. Obs.—Close Journal, 42. Sunshine stations. Equi- noctial Cards (straight) to be used from Sept. 1st and until 12th October. Obs.—Close Journal, 43.

Times of Sunrise, Noon and Sunset, G.M.T., August 25th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 57	12 14	19 31	Cahirciveen	5 43	12 43	19 44
Aberdeen ...	4 56	12 11	19 25	Richmond ...	5 3	12 3	19 3
Eskdalemuir	5 5	12 15	19 24	Falmouth ...	5 24	12 22	19 20

Week 36. SEPTEMBER 1ST TO SEPTEMBER 7TH, 1918. Days 244 to 250.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary. First week of Autumn Quarter.
SUNDAY, SEPTEMBER 1st. ☉ N 8° 5'. M 8h. 53m.	244. Post Weekly Returns.
MONDAY, 2nd. ☉ N 8° 1'. M 9h. 41m. 1859. Magnetic Storm.	*245. Post Anemograms. Post Barograms.
TUESDAY, 3rd. ☉ N 7° 8'. M 10h. 27m. 1860. First Telegraphic Daily Weather Report prepared at the Meteorological Department.	H.D.I. 246.
WEDNESDAY, 4th. ☉ N 7° 4'. M 11h. 11m.	*247. Post Monthly Climato- logical Returns. Balloon day.
THURSDAY, 5th. ☉ N 7°. M 11h. 53m. ● New Moon, 10h. 44m. 1862. Glaisher and Coxwell ascended in a balloon from Wolverhampton to an altitude estimated at 7 miles above the earth.	248. Obs.—Send curves and tabu- lations to complete August and week 35. Balloon day.
FRIDAY, 6th. ☉ N 6° 7'. M 12h. 35m. 1865. Hurricane devastated Guadeloupe. Baro- meter fell 57 mb. in 70 m. (Buchan, Handy Book of Meteorology, p. 266). 1766. John Dalton, Natural Philosopher, b. [d. 27 July, 1844].	*249. Balloon day.
SATURDAY, 7th. ☉ N 6° 3'. M 13h. 6m.	250. Obs.—Close Journal, 44.

Times of Sunrise, Noon and Sunset, G.M.T., September 1st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	5 13	12 12	19 11	Cahirciveen	5 54	12 41	19 28
Aberdeen ...	5 10	12 8	19 6	Richmond ...	5 15	12 1	18 47
Eskdalemuir	5 19	12 13	19 7	Falmouth ..	5 34	12 20	19 5

Week 37. SEPTEMBER 8TH TO SEPTEMBER 14TH, 1918. Days 251 to 257.

Astronomical and Historical Notes. Sun's declination ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, SEPTEMBER 8th. ☉ N 5° 9'. M 13h. 58m. 1692. Earthquake in London and Home Counties (Burton's General History of Earthquakes).	Post Weekly Returns. *251.
MONDAY, 9th. ☉ N 5° 5'. M 14h. 41m.	Post Anemograms. 252. Post Barograms.
TUESDAY, 10th. ☉ N 5° 1'. M 15h. 27m. 1903. Beginning of two days' Circular Storm: wind velocity 28·6 m/s (64 mi/hr), Scilly.	H.D.I. *253.
WEDNESDAY, 11th. ☉ N 4° 8'. M 16h. 14m.	254.
THURSDAY, 12th. ☉ N 4° 4'. M 17h. 4m.	Obs.—Send curves and tabu- lations. *255.
FRIDAY, 13th. ☉ N 4° 0'. M 17h. 55m. First quarter, 15h. 2m.	M.O.—Quarterly issue of forms. 256.
SATURDAY, 14th. ☉ N 3° 6'. M 18h. 48m. 1769. Alexander von Humboldt, Traveller, b. [d. 6 May, 1859]. 1752. "New Style" introduced in England. 14th followed 2nd September.	Obs.—Close Journal, 45. *257.

Times of Sunrise, Noon and Sunset, G.M.T., September 8th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 28	12 10	18 51	Cahirciveen	6 5	12 39	19 13
Aberdeen	5 24	12 6	18 48	Richmond	5 26	11 59	18 32
Eskdalemuir	5 32	12 11	18 49	Falmouth	5 46	12 18	18 50

Week 38. SEPTEMBER 15TH TO SEPTEMBER 21ST, 1918. Days 258 to 264.

Astronomical and Historical Notes. Sun's declination ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, SEPTEMBER 15th. ☉ N 3° 2'. M 19h. 42m. 1784. First balloon ascent made in England (Artillery Ground, Moorfields) by Lunardi.	Post Weekly Returns. 258.
MONDAY, 16th. ☉ N 2° 9'. M 20h. 36m. 1863. First Daily Weather Map for Europe issued by Leverrier.	Post Anemograms. *259. Post Barograms.
TUESDAY, 17th. ☉ N 2° 50'. M 21h. 29m. 1917. Summer Time ended. Railway and P.O. clocks put back one hour.	H.D.I. 260.
WEDNESDAY, 18th. ☉ N 2° 1'. M 22h. 23m.	*261.
THURSDAY, 19th. ☉ N 1° 7'. M 23h. 16m.	Obs.—Send curves and tabu- lations. 262.
FRIDAY, 20th. ☉ N 1° 3'. Full Moon, 13h. 1m.	*263.
SATURDAY, 21st. ☉ N 0° 9'. M 0h. 10m. St. Matthew.	Obs.—Close Journal, 46. 264.

Times of Sunrise, Noon and Sunset, G.M.T., September 15th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 43	12 7	18 32	Cahirciveen	6 16	12 36	18 57
Aberdeen	5 39	12 4	18 28	Richmond	5 37	11 56	18 15
Eskdalemuir	5 45	12 8	18 31	Falmouth	5 56	12 16	18 35

Week 39. SEPTEMBER 22ND TO SEPTEMBER 28TH, 1918. Days 265 to 271

Astronomical and Historical Notes.			Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.			
SUNDAY, SEPTEMBER 22nd. ☉ N 0° 5'. M 1h. 6m. 1885. Bar. 27·135 in. (917 mb.), at False Point, Orissa [reduced to sea level and temp. 32° F.]. —(Q.J.)			*265. Post Weekly Returns.
MONDAY, 23rd. ☉ N 0° 1'. M 2h. 3m. Autumnal equinox. 1762. James Horsburgh b. [d. 14 May, 1836].			266. Post Anemograms. Post Barograms.
TUESDAY, 24th. ☉ S 0° 2'. M 3h. 2m.			H.D.I. *267.
WEDNESDAY, 25th. ☉ S 0° 6'. M 4h. 1m. 1909. Magnetic Storm. 1905. Barometer 27·171 in. (918 mb.), on board s.s. "Pathfinder" 12° 10' N., 125° 31' E.—(Q.J. 1909).			268.
THURSDAY, 26th. ☉ S 1° 0'. M 5h. 0m.			*269. Obs.—Send curves and tabulations.
FRIDAY, 27th. ☉ S 1° 4'. M 5h. 56m. (Third quarter, 4h. 39m.)			270.
SATURDAY, 28th. ☉ S 1° 8'. M 6h. 50m.			*271. Obs.—Close Journal, 47.

Times of Sunrise, Noon and Sunset, G.M.T., September 22nd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 57	12 5	18 12	Cahiriveen	6 28	12 34	18 40
Aberdeen	5 53	12 1	18 9	Richmond	5 48	11 54	17 59
Eskdalemuir	5 58	12 6	18 13	Falmouth	6 7	12 13	18 19

Week 40. SEPTEMBER 29TH TO OCTOBER 5TH, 1918. Days 272 to 278.

Astronomical and Historical Notes.			Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.			
SUNDAY, SEPTEMBER 29th. ☉ S 2° 2'. M 7h. 39m. Michaelmas Day.			272. Post Weekly Returns.
MONDAY, 30th. ☉ S 2° 6'. M 8h. 26m. 1867. First Thermograph record from Kew. Indian Summer, North America, begins. 1916. Summer Time ended. P.O. and Railway clocks put back one hour.			*273. Calendar. Proof day. M.O.—Geophysical Journal, July Copy day. Obs.—Close Journal, 48. Post Anemograms Post Barograms.
TUESDAY, OCTOBER 1st. ☉ S 3° 0'. M 9h. 10m. 1904. Ben Nevis Observatory closed. 1866. Bahamas. Barometer fell 24 mb. in an hour. —(BUCHAN.)			H.D.I. 274.
WEDNESDAY, 2nd. ☉ S 3° 4'. M 9h. 52m.			*275.
THURSDAY, 3rd. ☉ S 3° 8'. M 10h. 35m.			276. Obs.—Send curves and tabulations. Balloon day.
FRIDAY, 4th. ☉ S 4° 1'. M 11h. 15m. 1696. At Bungay, Suffolk, rain began towards night and continued without intermission (except a few hours on the 6th) till the 10th at noon.—(LOWE.)			*277. Climatological stations. Schedule day.
SATURDAY, 5th. ☉ S 4° 5'. M 11h. 57m. ● New Moon, 3h. 5m. 1091. S.W. gale over most of England. In London 500 houses were destroyed.—(LOWE.)			278. Obs.—Send curves and tabulations to complete September. Obs.—Close Journal, 49.

Times of Sunrise, Noon and Sunset, G.M.T., September 29th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	6 14	12 2	17 50	Cahiriveen	6 39	12 31	18 23
Aberdeen	6 8	11 59	17 50	Richmond	5 59	11 51	17 43
Eskdalemuir	6 12	12 3	17 55	Falmouth	6 18	12 11	18 4

Week 41. OCTOBER 6TH TO OCTOBER 12TH, 1918. Days 279 to 285.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, OCTOBER 6th. ☉ S 4° 9'. 1803. Heinrich Wilhelm Dove b. [d. 4 Apr. 1879]. 1863. Hereford earthquake. (Q.J.)		*279. Post Weekly Returns.
MONDAY, 7th. ☉ S 5° 8'. M 13h. 24m.		280. Post Anemograms. Post Barograms.
TUESDAY, 8th. ☉ S 5° 7'. M 14h. 11m.		H.D.I. *281.
WEDNESDAY, 9th. ☉ S 6° 1'. M 15h. 0m.		*282.
THURSDAY, 10th. ☉ S 6° 4'. M 15h. 50m. 1731. Henry Cavendish, National Philosopher, b. [d. 10th March, 1810]. 1817. Buys Ballot, Dutch Meteorologist, b. [d. 3rd Feb., 1890].		*283. Obs.—Send curves and tabu- lations.
FRIDAY, 11th. ☉ S 6° 8'. M 16h. 41m. 1916. Exceedingly heavy rain in W. Highlands, 208 mm. (8·20 in.), at Kinlochquoich, Inverness- shire; up to that date the largest daily fall recorded in any part of the United Kingdom. (See also June 28).		284.
SATURDAY, 12th. ☉ S 7° 2'. M 17h. 33m.		*285. Sunshine stations. Winter cards to be used from 13th Oct. and until 28th Feb. 1919. Obs.—Close Journal. 50.

Times of Sunrise, Noon and Sunset, G.M.T., October 6th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	6 30	12 0	17 31	Cahiriveen	6 51	12 29	18 7
Aberdeen	6 22	11 57	17 31	Richmond	6 11	11 49	17 27
Eskdalemuir	6 25	12 1	17 37	Falmouth	6 29	12 9	17 49

Week 42. OCTOBER 13TH TO OCTOBER 19TH, 1918. Days 286 to 292.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, OCTOBER 13th. ☉ S 7° 6'. M 18h. 25m. 1881. Two days' gale over British Isles began.		286. Post Weekly Returns.
MONDAY, 14th. ☉ S 7° 9'. M 19h. 17m. 1788. Sir Edward Sabine, Meteorologist and Magnetician, b. [d. 26th June, 1883]. 1881. Gale ended. Greatest hourly wind velocity 23·3 m/s (52 mi/hr), Holyhead.		Post Anemograms. Post Barograms.
TUESDAY, 15th. ☉ S 8° 3'. M 20h. 8m. 1582. New Style introduced in Rome, Spain, Portugal, and part of Italy by Pope Gregory XIII. when the 15th October followed the 5th.		H.D.I. 288.
WEDNESDAY, 16th. ☉ S 8° 7'. M 21h. 0m. 1906. Daily telegraphic reports first received at the Office from Iceland and the Farøe Is.		*289.
THURSDAY, 17th. ☉ S 9° 1'. M 21h. 53m. 1883. Ben Nevis Observatory opened.		290. Obs.—Send curves and tabu- lations.
FRIDAY, 18th. ☉ S 9° 4'. M 22h. 47m.		*291.
SATURDAY, 19th. ☉ S 9° 8'. M 23h. 44m. Full Moon, 21h. 35m.		292. Obs.—Close Journal, 51.

Times of Sunrise, Noon and Sunset, G.M.T., October 13th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	6 46	11 58	17 11	Cahiriveen	7 4	12 27	17 50
Aberdeen	6 38	11 55	17 12	Richmond	6 23	11 47	17 11
Eskdalemuir	6 39	11 59	17 19	Falmouth	6 39	12 7	17 34

Week 45. NOVEMBER 3RD TO NOVEMBER 9TH, 1918. Days 307 to 313.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary. Upper Air—Short Series.	
SUNDAY, NOVEMBER 3rd. ☉ S 14° 9'. M 11h. 22m. ● New Moon, 21h. 1m.		*307. Post Weekly Returns.	
MONDAY, 4th. ☉ S 15° 2'. M 12h. 8m.		308. Post Anemograms. Post Barograms. Post Monthly Climatological Returns. M.O.—Discussion, 17h.	
TUESDAY, 5th. ☉ S 15° 5'. M 12h. 57m. 1855. Léon Philippe Teisserenc de Bort, Magnetician and Meteorologist, b. [d. 2 Jan. 1913]. Strongest gust of 1911, 40·2 m/s (90 mi/hr), Eskdalemuir.		*309. H.D.I. Obs.—Send curves and tabulations to complete October.	
WEDNESDAY, 6th. ☉ S 15° 8'. M 13h. 47m. 1091. Flood. London Bridge swept away by the force of the waters.—(LOWE.)		310. Balloon day.	
THURSDAY, 7th. ☉ S 16° 1'. M 14h. 39m. 1862. First Barograph record from Kew Observatory.		*311. Obs.—Send Curves and tabulations. Balloon day.	
FRIDAY, 8th. ☉ S 16° 4'. M 15h. 29m.		312. Balloon day.	
SATURDAY, 9th. ☉ S 16° 7'. M 16h. 20m.		*313. Obs.—Close Journal, 55.	

Times of Sunrise, Noon and Sunset, G.M.T., November 3rd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 35	11 56	16 17	Cahirciveen	7 41	12 25	17 9
Aberdeen	7 24	11 52	16 20	Richmond	7 0	11 45	16 30
Eskdalemuir	7 12	11 56	16 30	Falmouth	7 14	12 4	16 54

Week 46. NOVEMBER 10TH TO NOVEMBER 16TH, 1918. Days 314 to 322.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.	
SUNDAY, NOVEMBER 10th. ☉ S 17° 0'. M 17h. 10m. 1852. Welsh's fourth balloon ascent, 22,930 feet.		314. Post Weekly Returns.	
MONDAY, 11th. ☉ S 17° 3'. M 18h. 0m. D First quarter, 16h. 46m. Martinmas. 1901. Beginning of three days' slow travelling depression with heavy rainfall. (L.H.)‡		*315. Post Anemograms. Post Barograms.	
TUESDAY, 12th. ☉ S 17° 6'. M 18h. 50m. 1897. 8·03 in. (204 mm.) rain at Seathwaite.		316. H.D.I.	
WEDNESDAY, 13th. ☉ S 17° 8'. M 19h. 40m. 1901. End of slow travelling depression. Total average rainfall, 4 in. (102 mm.).		*317.	
THURSDAY, 14th. ☉ S 18° 1'. M 20h. 32m. 1854. Balaklava storm. 1896. First International balloon ascents.		318. Obs.—Send curves and tabulations.	
FRIDAY, 15th. ☉ S 18° 4'. M 21h. 26m.		*319.	
SATURDAY, 16th. ☉ S 18° 6'. M 22h. 23m. 1893. Beginning of five days' great storm over the British Isles: wind velocity, 21 m/s. (47 mi/hr), Holyhead. 1878. Greatest flood in Norwich since 1646 [in which year it occurred on Nov. 15]. Woodward, Geol. Survey Memoir.		320. Obs.—Close Journal, 56.	

Times of Sunrise, Noon and Sunset, G.M.T., November 10th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 51	11 56	16 1	Cahirciveen	7 53	12 25	16 57
Aberdeen	7 40	11 52	16 4	Richmond	7 12	11 45	16 18
Eskdalemuir	7 37	11 57	16 17	Falmouth	7 26	12 4	16 42

‡ Life History of Surface Air Currents, M.O. Publication 174.

Week 47. NOVEMBER 17TH TO NOVEMBER 23RD, 1918. Days 321 to 327

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, NOVEMBER 17th.	\odot S 18° 9'. M 23h. 23m.	Post Weekly Returns. *321.
1840. Fourth Earl of Rosse, Astronomer, b. [d. 30 Aug. 1908].		
MONDAY, 18th.	\odot S 19° 1'. M \bigcirc Full Moon, 7h. 33m.	Post Anemograms. 322. Post Barograms. M.O.—Discussion, 17h.
TUESDAY, 19th.	\odot S 19° 3'. M 0h. 25m.	H.D.I. *323.
WEDNESDAY, 20th.	\odot S 19° 6'. M 1h. 27m.	324.
THURSDAY, 21st.	\odot S 19° 8'. M 2h. 27m.	Obs.—Send curves and tabulations. *325.
FRIDAY, 22nd.	\odot S 20° 0'. M 3h. 23m.	326.
1879. Frost from November 22nd to February 2nd, 1880.—(ANDREWS.)		
SATURDAY, 23rd.	\odot S 20° 2'. M 4h. 15m.	Obs.—Close Journal, 57. *327.

Times of Sunrise, Noon and Sunset, G.M.T., November 17th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 7	11 57	15 47	Cahiriveen	8 6	12 26	16 46
Aberdeen	7 56	11 53	15 50	Richmond	7 24	11 46	16 48
Eskdalemuir	7 51	11 58	16 4	Falmouth	7 37	12 5	16 33

Week 48. NOVEMBER 24TH TO NOVEMBER 30TH, 1918. Days 328 to 334.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		Last week of Autumn Quarter.
SUNDAY, NOVEMBER 24th.	\odot S 20° 5'. M 5h. 3m.	Post Weekly Returns. 328.
1433. River frozen below London Bridge to Gravesend, from November 24th to February 10th, 1434.—(LOWE.)		
1715. Fair on the river Thames. Frost lasted till February 9th, 1716.—(LOWE.)		
MONDAY, 25th.	\odot S 20° 7'. M 5h. 48m. (Third quarter, 10h. 25m.	Post Anemograms. *329. Post Barograms.
1890. Frost commenced and continued almost uninterruptedly until Jan. 22nd, 1891.—(Q.J., 1901.)		
TUESDAY, 26th.	\odot S 20° 5'. M 6h. 30m.	Flag day. 330.
1703. Defoe's Great Storm, South of England.—(Phil. Trans.)		
Birthday of the Queen of Norway.		
WEDNESDAY, 27th.	\odot S 21°. M 7h. 12m.	*331.
1701. Anders Celsius, Physicist, b. [d. 25 April, 1744].		
THURSDAY, 28th.	\odot S 21° 2'. M 7h. 53m.	Obs.—Send curves and tabulations. 332.
1772. Luke Howard, Schoolmaster and Meteorologist, b. [d. 21 March, 1864].		
FRIDAY, 29th.	\odot S 21° 4'. M 8h. 35m.	*333
SATURDAY, 30th.	\odot S 21° 6'. M 9h. 19m.	334.
St. Andrew.		M.O.—Geophysical Journal.
1269. Frost lasted from November 30th to February 2nd, 1270.—(ANDREWS.)		September Copy day.
		Obs.—Close Journal, 58.
		Obs.—Close Journal, 59.

Times of Sunrise, Noon and Sunset, G.M.T., November 24th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 22	11 59	15 35	Cahiriveen	8 17	12 28	16 38
Aberdeen	8 11	11 55	15 39	Richmond	7 35	11 48	16 6
Eskdalemuir	8 4	11 59	15 54	Falmouth	7 49	12 7	16 25

Week 49. DECEMBER 1ST TO DECEMBER 7TH, 1918. Days 335 to 341.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	First week of Winter Quarter.
SUNDAY, DECEMBER 1st. ☉ S 21° 7'. M 10h. 4m. 1st SUNDAY IN ADVENT. Birthday of Queen Alexandra. 1662. River Thames partially frozen over. "In this frost skates were introduced into England from Holland."—(LOWE.)	Flag day. *335. Post Weekly Returns. Issue to Fishery Barometer Stations of Forms 335 and 073.
MONDAY, 2nd. ☉ S 21° 9'. M 10h. 52m.	Post Anemograms. Post Barograms. M.O.—Discussion, 17h.
TUESDAY, 3rd. ☉ S 22° 0'. M 11h. 42m. ● New Moon, 15h. 19m. 1909. "Ellan Vannin" storm, Irish Sea. 1838. Cleveland Abbe, American Meteorologist. b. [d. 28 October, 1916].	H.D.I. *337.
WEDNESDAY, 4th. ☉ S 22° 2'. M 12h. 34m. 1879. -18° F. (245a) at Killoe House, and -23° F. (242'4a), (2 ft. from ground) at Blackadder, both in Berwickshire.—(Q.J. Vol. VI.) 1913. Temperature at 16 k. over Batavia 182a.	338. Post Monthly Climatological Returns.
THURSDAY, 5th. ☉ S 22° 3'. M 13h. 26m.	*339. Obs.—Send curves and tabulations to complete November and week 48. Balloon Day.
FRIDAY, 6th. ☉ S 22° 4'. M 14h. 17m. 1353. Frost lasted from December 6th, to March 12th, 1354.—(ANDREWS.) 1913. Eruption of Mt. Benbow, New Hebrides.	340.
SATURDAY, 7th. ☉ S 22° 6'. M 15h. 8m. 1866. Suspension of the issue of "Cautionary Storm Warnings" by the Meteorological Department of the Board of Trade. 1912. Highest sounding with registering balloon, Pavia, 37,700 metres (23½ miles).—(La Nature, No. 2,068, 11 Jan., 1913.)	*341. Obs.—Close Journal, 60.

Times of Sunrise, Noon and Sunset, G.M.T., December 1st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 38	12 1	15 25	Cahiriveen	8 28	12 30	16 32
Aberdeen	8 24	11 57	15 31	Richmond	7 46	11 50	15 55
Eskdalemuir	8 17	12 2	15 46	Falmouth	7 59	12 9	16 19

Week 50. DECEMBER 8TH TO DECEMBER 14TH, 1918. Days 342 to 348.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
SUNDAY, DECEMBER 8th. ☉ S 22° 7'. M 15h. 58m.	Post Weekly Returns. 342.
MONDAY, 9th. ☉ S 22° 8'. M 16h. 46m. 1678-9. Frost until Feb. 9 with one remission.—(WALFORD.)	*343. Post Anemograms. Post Barograms.
TUESDAY, 10th. ☉ S 22° 9'. M 17h. 35m. 1149. Frost lasted from December 10th to February 19th, 1150.—(ANDREWS.) 1881. Loss of balloon "Saladin" with Mr. Walter Powell, M.P.—(Annual Report, 1881-82.)	H.D.I. 344.
WEDNESDAY, 11th. ☉ S 23° 0'. M 18h. 24m. ☾ First quarter, 2h. 31m.	*345.
THURSDAY, 12th. ☉ S 23° 0'. M 19h. 15m.	346. Obs.—Send curves and tabulations.
FRIDAY, 13th. ☉ S 23° 1'. M 20h. 9m. 1805. Johann von Lamont, Scottish-German Meteorologist, b. [d. 6 Aug. 1879].	*347. M.O.—Quarterly issue of forms. Issue to stations of register forms for 1918 to be completed.
SATURDAY, 14th. ☉ S 23° 2'. M 21h. 6m. Birthday of Prince Albert.	Flag day. 348. Obs.—Close Journal, 61.

Times of Sunrise, Noon and Sunset, G.M.T., December 8th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 50	12 4	15 18	Cahiriveen	8 38	12 33	16 28
Aberdeen	8 36	12 0	15 24	Richmond	7 55	11 53	15 51
Eskdalemuir	8 28	12 5	15 42	Falmouth	8 8	12 12	16 16

Week 51. DECEMBER 15TH TO DECEMBER 21ST, 1918. Days 349 to 355.

Astronomical and Historical Notes.			Diary.		
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.					
SUNDAY, DECEMBER 15th.			*349.		
\odot S 23° 2'. M 22h. 6m. 1570. Snow the like of which was not known in memory of man.—(Geol. Mem.) 1888. Mayou eruption, Philippine Islands.			Post Weekly Returns.		
MONDAY, 16th.			350.		
\odot S 23° 3'. M 23h. 7m. 1877. "Barometer 31.72 in. at Semipalatinsk" (1046 mb. station level reduced to 1081 mb. sea level). "Barometer 31.6 in. at Barnaul." 1911. R. Amundsen at the South Pole.			Post Anemograms. Post Barograms. M.O.—Discussion, 17h.		
TUESDAY, 17th.			*351.		
\odot S 23° 3'. Full Moon, 19h. 18m. 1896. Hereford earthquake.—(DAVISON.) 1774. Sir Francis Beaufort b. [d. 1857]. 1877. "Barometer 31.63 in. at Barnaul" (1050 mb. station level reduced to 1073 mb. sea level).			H.D.I.		
WEDNESDAY, 18th.			352.		
\odot S 23° 4'. M 0h. 8m.					
THURSDAY, 19th.			*353.		
\odot S 23° 4'. M 1h. 7m.			Obs.—Send curves and tabulations.		
FRIDAY, 20th.			354.		
\odot S 23° 4'. M 2h. 1m. Birthday of Prince George. 1896. "Barometer 31.717 in. at Irkutsk" (1003.5 mb. at station level reduced to 1072 mb. sea level). 1860. Severe frost from December 20th to January 5th, 1861.—(ANDREWS.)			Flag day.		
SATURDAY, 21st.			*355.		
\odot S 23° 4'. M 2h. 53m. St. Thomas. St. Lucia.			Obs.—Close Journal, 62.		

Times of Sunrise, Noon and Sunset, G.M.T., December 15th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 58	12 7	15 16	Cahirciveen	8 46	12 37	16 27
Aberdeen	8 44	12 3	15 22	Richmond	8 2	11 56	15 50
Eskdalemuir	8 36	12 8	15 40	Falmouth	8 15	12 15	16 15

Week 52. DECEMBER 22ND TO DECEMBER 28TH, 1918. Days 356 to 362.

Astronomical and Historical Notes.			Diary.		
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.					
SUNDAY, 22nd DECEMBER.			356.		
\odot S 23° 4'. M 3h. 40m. Winter Solstice. 987-988. Frost began in London and lasted 120 days.—(LOWE.)			Post Weekly Returns.		
MONDAY, 23rd.			*357.		
\odot S 23° 4'. M 4h. 24m.			Post Anemograms. Post Barograms.		
TUESDAY, 24th.			358.		
\odot S 23° 4'. M 5h. 7m. 1736. Very high tide in London; the River Thames flowed into Westminster Hall.—(Baker's "Record of the Seasons.") 1818. James Prescott Joule, Physicist, b. [d. Oct. 11, 1889].			H.D.I.		
WEDNESDAY, 25th.			*359.		
\odot S 23° 4'. M 5h. 49m. (Third quarter, 6h. 31m.) CHRISTMAS DAY. 1434. Thames frozen below London Bridge to Gravesend, from December 25th to February 11th, 1435.—(ANDREWS.) 1860. Carstairs. Exposed therm. fell to -20° F.—(BUCHAN.) Buxton. "Temp. 4 ft. above ground was 8° below zero, and on the grass 13.8° below zero, or 45.8° of frost."—Mr. G. T. LOWE in "The Times."			M.O.—Press closed.		
THURSDAY, 26th.			360.		
\odot S 23° 4'. M 6h. 31m. St. Stephen.			M.O.—Press closed. Obs.—Send curves and tabulations.		
FRIDAY, 27th.			*361.		
\odot S 23° 4'. M 7h. 14m. St. John. 1813. "Great fog commenced in London, and the greatest frost of the century set in."—(ANDREWS.) 1852. Barometer 27.98 in. (949 mb.), at Culloden.					
SATURDAY, 28th.			362.		
\odot S 23° 3'. M 7h. 58m. Innocents Day. 1879. Tay Bridge Storm. 1908. Messina Earthquake. 1913. G. Legagneur reached 6,120m. (20,079 ft.) in aeroplane.			Obs.—Close Journal, 63.		

Times of Sunrise, Noon and Sunset, G.M.T., December 22nd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	9 4	12 11	15 18	Cahirciveen	8 50	12 40	16 39
Aberdeen	8 50	12 7	15 24	Richmond	8 7	12 0	15 53
Eskdalemuir	8 41	12 11	15 41	Falmouth	8 20	12 19	16 18

Week 1. DECEMBER 29TH, 1918, TO JANUARY 5TH, 1919. Days 363 to 4.

Astronomical and Historical Notes.		Diary.			
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.					
SUNDAY, DECEMBER 29th.	\odot S $23^{\circ}3'$. M 8h. 43m.	*363. Post Weekly Returns.			
MONDAY, 30th.	\odot S $23^{\circ}2'$. M 9h. 35m.	364. Post Anemograms. Post Barograms. Obs.—Close Journal, 63.			
TUESDAY, 31st.	S $23^{\circ}1'$. M 10h. 26m.	* 365. M.O.—Geophysical Journal, October Copy day. H.D.I.			
WEDNESDAY, JANUARY 1st.		1.			
NEW YEAR'S DAY (England since 1751, Scotland since 1600). 1876. First publication by "The Times" of 6 p.m. Weather Map.					
THURSDAY, 2nd.		*2. Obs.—Send curves and tabulations.			
FRIDAY, 3rd.		3.			
SATURDAY, 4th.		*4. Obs.—Close Journal, 1.			
Times of Sunrise, Noon and Sunset, G.M.T., December 29th.					
	h. m.	h. m.	h. m.	h. m.	h. m.
Wick	9 5	12 14	15 23	Cahirciveen	8 15 12 43 16 36
Aberdeen	8 52	12 10	15 28	Richmond	8 9 12 3 15 58
Eskdalemuir	8 43	12 15	15 47	Falmouth	8 22 12 22 16 22

DATES OF BEGINNING OF THE YEAR AND SEASONS OF THE WEEKLY WEATHER REPORTS, VOLS. XXXIX TO LXIII.

Year.	Year of Weekly Report and date of beginning.	No. of weeks in year.	Spring begins.	Summer begins.	Autumn begins.	Winter begins.
1916	XXXIX. Jan. 2nd ...	52	Feb. 26th*	June 4th	Sept. 3rd	Dec. 3rd
1917	XL. Dec. 31st ...	52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
1918	XLI. Dec. 30th ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
1919	XLII. Dec. 29th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
1920	XLIII. Jan. 4th ...	52	Feb. 29th	May 30th	Aug. 29th	Nov. 28th
1921	XLIV. Jan. 2nd ...	52	Feb. 27th	* Spring	14 weeks.	
1922	XLV. Jan. 1st ...	52	Feb. 26th	May 29th	Aug. 28th	Nov. 27th
1923	XLVI. Dec. 31st ...	52	Mar. 4th	May 28th*	Sept. 3rd	Dec. 3rd
1924	XLVII. Dec. 30th ...	53	Mar. 2nd	June 3rd	Sept. 2nd	Dec. 2nd
1925	XLVIII. Jan. 4th ...	52	Mar. 1st	June 1st	Aug. 31st	Nov. 30th
1926	XLIX. Jan. 3rd ...	52	Feb. 28th	May 31st	Aug. 30th	Nov. 29th
1927	L. Jan. 2nd ...	52	Feb. 27th	* Summer	14 weeks.	
1928	LI. Jan. 1st ...	52	Feb. 26th	May 30th	Aug. 29th	Nov. 28th
1929	LII. Dec. 30th ...	52	Mar. 3rd	May 29th	Aug. 28th	Nov. 27th
1930	LIII. Dec. 29th ...	53	Mar. 2nd	May 28th	Aug. 27th*	Dec. 3rd
1931	LIV. Jan. 4th ...	52	Mar. 1st	June 2nd	Sept. 1st	Dec. 1st
1932	LV. Jan. 3rd ...	52	Feb. 27th	June 1st	Aug. 31st	Nov. 30th
1933	LVI. Jan. 1st ...	52	Feb. 26th	* Autumn	14 weeks.	
1934	LVII. Dec. 31st ...	52	Mar. 4th	May 31st	Aug. 30th	Nov. 29th
1935	LVIII. Dec. 30th ...	52	Mar. 3rd	May 29th	Aug. 28th	Nov. 27th
1936	LIX. Dec. 29th ...	53	Mar. 1st	May 28th	Aug. 27th	Nov. 26th*
1937	LX. Jan. 3rd ...	52	Feb. 28th	June 3rd	Sept. 2nd	Dec. 2nd
1938	LXI. Jan. 2nd ...	52	Feb. 27th	June 2nd	Sept. 1st	Dec. 1st
1939	LXII. Jan. 1st ...	52	Feb. 26th*	* Winter	14 weeks.	
1940	LXIII. Dec. 31st ...	52	Mar. 3rd	May 31st	Aug. 30th	Nov. 29th
				May 30th	Aug. 29th	Nov. 28th
				May 29th	Aug. 28th	Nov. 27th
				May 28th	Aug. 27th	Nov. 26th*
				June 3rd	Sept. 2nd	Dec. 2nd
				June 2nd	Sept. 1st	Dec. 1st
				* Spring	14 weeks.	

TABLE OF SUN-SPOT NUMBERS. 1749-1915.

	0	1	2	3	4	5	6	7	8	9
1740	...									81
1750	83	48	48	31	12	10	10	32	48	54
1760	63	86	61	45	36	21	11	38	70	106
1770	101	82	66	35	31	7	20	92	154	126
1780	85	68	38	23	10	24	83	132	131	118
1790	90	67	60	47	41	21	16	6	4	7
1800	14	34	45	43	48	42	28	10	8	2
1810	0	1	5	12	14	35	46	41	30	24
1820	16	7	4	2	8	17	39	50	62	67
1830	71	48	28	8	13	57	122	138	103	86
1840	63	37	24	11	15	40	62	98	124	96
1850	66	65	54	39	21	7	4	23	55	94
1860	96	77	59	44	47	30	16	7	37	74
1870	139	111	102	66	45	17	11	12	3	6
1880	32	54	60	64	64	52	25	13	7	6
1890	7	36	73	85	78	64	42	26	27	12
1900	10	3	5	24	42	64	54	62	49	41
1910	19	6	4	1	10	46				

Mean Temperature, Daily Sunshine, and Rainfall
derived from weekly

Dist.	Temperature.		Sun- shine.	Rainfall.		Temperature.	Sun- shine.		Rainfall.		
	°F.	°A.	hrs.	in.	mm.	°F.	°A.	hrs.	in.	mm.	
JANUARY.											
N.											
E.	0	38.4	277	0.82	5.92	150	37.6	276	1.97	4.65	118
	1	37.5	276	1.37	2.57	65	37.0	276	2.60	2.20	56
	2	38.6	277	1.37	1.77	45	38.6	277	2.65	1.47	37
	3	38.0	276	1.68	1.74	44	38.5	277	2.80	1.48	38
	4	38.1	276	1.42	2.17	55	38.6	277	2.40	1.83	46
W.	5	39.7	277	1.60	2.27	58	39.9	277	2.66	1.98	50
	6	39.7	277	1.19	4.69	119	39.0	277	2.19	3.81	87
	7	39.7	277	1.22	3.03	77	39.5	277	2.37	2.40	61
	8	41.4	278	1.63	3.67	93	41.1	278	2.69	3.03	77
	9	40.7	278	1.38	3.45	88	40.5	278	2.38	2.80	71
S.	10	42.4	279	1.65	4.00	102	42.1	279	2.66	3.23	82
	11	44.4	280	2.08	3.04	77	44.0	280	3.27	2.61	66

		MARCH.					APRIL.				
N.											
E.	0	39.3	277	3.08	4.42	112	42.9	279	4.62	2.95	75
	1	39.3	277	3.42	2.30	58	43.3	279	4.82	1.89	48
	2	40.6	278	3.99	1.74	44	44.3	280	5.11	1.58	40
	3	41.0	278	4.00	1.55	39	45.6	281	5.33	1.55	39
	4	41.1	278	3.57	1.73	44	45.6	281	4.87	1.77	45
	5	42.2	279	3.96	1.81	46	46.8	281	5.35	1.62	41
W.											
	6	40.8	278	3.57	3.52	89	44.7	280	5.13	2.76	70
	7	41.3	278	3.49	2.40	61	45.5	281	4.85	2.09	53
	8	42.7	279	4.01	2.71	69	46.7	281	5.46	2.35	60
	9	41.9	279	3.42	2.72	69	45.6	281	4.81	2.39	61
	10	43.5	279	3.93	2.98	76	47.1	281	5.29	2.64	67
S.											
	11	45.2	280	4.84	2.25	57	48.8	282	6.40	1.96	50

		MAY.					JUNE.				
N.	0	47.8	282	5.44	2.74	70	52.6	284	5.19	2.76	70
E.	1	48.4	282	5.96	2.16	55	54.0	285	6.03	2.18	55
	2	49.3	283	6.28	1.80	46	55.2	286	6.28	1.83	46
	3	51.2	284	6.65	1.87	48	57.0	287	6.87	1.99	51
	4	51.1	284	5.99	2.07	53	56.9	287	6.22	2.04	52
W.	5	52.4	284	6.74	1.80	46	57.9	287	7.02	1.87	48
	6	49.9	283	6.33	2.87	73	55.3	286	6.38	2.83	72
	7	50.7	283	6.43	2.23	57	56.2	286	6.58	2.22	56
	8	51.7	284	6.72	2.18	55	57.0	287	6.90	2.23	57
	9	50.3	283	6.07	2.44	62	55.4	286	5.65	2.62	67
S.	10	51.8	284	6.51	2.50	64	56.8	287	6.18	2.51	64
	11	53.1	285	8.02	1.92	49	57.9	287	8.14	1.80	46

for twelve districts for the calendar months
normals for districts, 1881-1905.

Dist.	Temperature.		Sun- shine.	Rainfall.		Temperature.	Sun- shine.		Rainfall.		
	°F.	°A.	hrs.	in.	mm.	°F.	°A.	hrs.	in.	mm.	
JULY.											
N.											
E.	0	54.9	286	4.10	3.52	89	54.5	286	3.69	4.29	109
	1	56.3	286	5.25	3.00	76	55.8	286	4.80	3.17	81
	2	58.6	288	6.18	2.44	62	57.8	287	5.18	2.74	70
	3	60.5	289	6.79	2.31	59	59.7	288	5.95	2.34	59
	4	59.9	289	6.03	2.41	61	58.8	288	5.35	2.65	67
W.	5	61.0	289	6.97	2.19	56	60.8	289	6.27	2.48	63
	6	57.1	287	5.57	3.61	92	56.5	287	4.96	4.60	117
	7	58.7	288	5.87	3.04	77	58.1	288	5.02	3.67	93
	8	59.4	288	6.38	2.97	75	59.1	288	5.95	3.38	86
	9	57.4	287	4.47	3.29	84	56.8	287	4.23	4.01	102
S.	10	58.8	288	5.06	3.10	79	58.2	288	4.93	4.09	104
	11	60.6	289	7.91	2.33	59	61.5	289	7.03	2.68	68

SEPTEMBER.						OCTOBER.					
N.											
E.	0	51.7	284	3.35	4.56	116	46.1	281	2.44	5.46	139
	1	52.3	284	3.96	2.37	60	45.9	281	2.80	3.17	81
	2	54.3	285	4.45	1.96	50	48.0	282	3.07	2.94	75
	3	55.9	286	4.98	1.98	50	48.9	282	3.39	2.72	69
	4	54.8	286	4.39	2.06	52	47.8	282	2.98	2.88	73
W.	5	57.2	287	5.11	2.28	58	50.3	283	3.41	3.27	83
	6	53.2	285	4.17	4.11	104	47.7	282	2.74	5.00	127
	7	54.9	286	4.26	3.00	76	48.8	282	2.76	3.97	101
	8	56.2	286	4.81	3.12	79	50.2	283	3.28	4.54	115
	9	53.9	285	3.76	3.21	82	48.1	282	2.87	3.86	98
S.	10	55.2	286	4.44	2.89	73	49.5	283	3.30	3.84	97
	11	59.0	288	6.02	2.59	66	53.7	285	3.94	3.98	101

		NOVEMBER.					DECEMBER.				
N.	0	42.2	279	1.20	5.52	140	39.0	277	0.63	5.86	149
E.	1	41.4	278	1.68	3.02	77	37.7	276	1.00	2.93	74
	2	43.2	279	1.83	2.40	61	39.1	277	1.22	2.22	56
	3	43.4	279	2.11	2.19	56	38.7	277	1.39	1.94	49
	4	42.7	279	1.76	2.44	62	38.5	277	1.17	2.34	59
W.	5	45.1	280	2.04	2.94	75	40.7	278	1.45	2.56	65
	6	43.8	280	1.57	5.36	136	40.5	278	0.97	5.36	136
	7	44.3	280	1.64	3.59	91	40.4	278	1.02	3.36	85
	8	45.9	281	2.06	4.24	108	42.3	279	1.47	4.49	114
	9	44.1	280	1.91	3.95	100	41.1	278	1.24	3.80	97
	10	45.6	281	2.21	4.14	105	42.9	279	1.52	4.53	115
S.	11	49.5	283	2.45	3.85	98	46.6	281	1.85	3.87	98

DECEMBER.											
N.											
E.	0	42.2	279	1.20	5.52	140	39.0	277	0.63	5.86	149
	1	41.4	278	1.68	3.02	77	37.7	276	1.00	2.93	74
	2	43.2	279	1.83	2.40	61	39.1	277	1.22	2.22	56
	3	43.4	279	2.11	2.19	56	38.7	277	1.39	1.94	49
	4	42.7	279	1.76	2.44	62	38.5	277	1.17	2.34	59
W.	5	45.1	280	2.04	2.94	75	40.7	278	1.45	2.56	65
	6	43.8	280	1.57	5.36	136	40.5	278	0.97	5.36	136
	7	44.3	280	1.64	3.59	91	40.4	278	1.02	3.36	85
	8	45.9	281	2.06	4.24	108	42.3	279	1.47	4.49	114
	9	44.1	280	1.91	3.95	100	41.1	278	1.24	3.80	97
S.	10	45.6	281	2.21	4.14	105	42.9	279	1.52	4.53	115
	11	49.5	283	2.45	3.85	98	46.6	281	1.85	3.87	98

Mean Temperature, Daily Sunshine, and aggregate Rainfall for twelve districts for the seasons and the year.

Dist.	Temperature.		Sun-shine.	Rainfall.		Temperature.	Sun-shine.		Rainfall.	
	°F.	°A.	hrs.	in.	mm.	°F.	°A.	hrs.	in.	mm.
SPRING.						SUMMER.				
N. 0	43.3	279	4.47	9.88	251	53.7	285	4.28	10.57	268
E. 1	44.2	280	4.88	6.27	159	55.7	286	5.32	8.31	211
2	45.1	280	5.23	5.09	129	57.4	287	5.85	6.98	178
3	46.3	281	5.44	4.95	126	59.2	288	6.51	6.59	167
4	46.3	281	4.91	5.53	140	58.7	288	5.85	7.05	179
W. 5	47.6	282	5.46	5.16	131	60.2	289	6.73	6.50	160
6	45.5	281	5.12	8.97	228	56.3	287	5.59	11.03	280
7	46.2	281	5.03	6.62	168	57.8	287	5.78	8.92	227
8	47.4	282	5.50	7.08	180	58.8	288	6.38	8.57	218
9	46.3	281	4.87	7.43	189	56.6	287	4.73	9.90	252
S. 10	47.7	282	5.34	7.97	202	58.1	288	5.34	9.66	245
11	49.4	283	6.54	6.01	153	60.4	289	7.83	6.76	172
AUTUMN.						WINTER.				
N. 0	46.2	281	2.28	15.60	396	38.2	277	1.16	16.26	413
E. 1	46.4	281	2.75	8.56	217	37.5	276	1.67	7.63	194
2	48.2	282	3.06	7.29	185	38.7	277	1.76	5.41	137
3	49.1	283	3.42	6.87	174	38.4	277	1.96	5.11	130
4	48.1	282	2.98	7.36	187	38.3	277	1.67	6.30	160
W. 5	50.5	283	3.44	8.49	216	39.9	277	1.91	6.76	172
6	48.0	282	2.76	14.51	369	39.8	277	1.46	13.69	348
7	49.1	283	2.82	10.56	268	39.9	277	1.55	8.68	220
8	50.5	283	3.32	11.93	303	41.5	278	1.94	11.07	281
9	48.5	282	2.80	11.01	280	40.8	278	1.67	9.96	253
S. 10	49.8	283	3.26	10.90	277	42.4	279	1.95	11.67	296
11	53.8	285	4.05	10.48	266	44.7	280	2.41	9.41	239
Dist.	Temperature.		Sun-shine.	Rainfall.						
	°F.	°A.	hrs.	in.	mm.	YEAR.				
N. 0	45.4	280	3.55	52.31	1329					
E. 1	46.0	281	3.66	30.77	782					
2	47.4	282	3.98	24.77	630					
3	48.3	282	4.33	23.52	597					
4	47.9	282	3.85	26.24	667					
W. 5	49.6	283	4.39	26.91	684					
6	47.4	282	3.73	48.20	1224					
7	48.3	282	3.80	34.78	884					
8	49.6	283	4.29	38.65	982					
9	48.1	282	3.52	38.30	973					
S. 10	49.5	283	3.97	40.20	1021					
11	52.1	284	5.21	32.66	830					

METEOROLOGICAL OFFICE, LONDON

1919.

CALENDAR

WITH

NOTES AND DIARY OF OPERATIONS

FOR

THE USE OF OBSERVERS.

Issued by the Authority of the Meteorological Committee.



LONDON:

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S
STATIONERY OFFICE
By DARLING AND SON, LTD., 34-40, BACON STREET, E.
And to be purchased from
THE METEOROLOGICAL OFFICE, EXHIBITION ROAD, LONDON, S.W. 7.

1918.

Price 1s. Net.

METEOROLOGICAL OFFICE CALENDAR.

HISTORICAL NOTES.

Pressures quoted in absolute units.—In converting from inches to millibars pressure values given in previous editions, it has been assumed that the gravity correction had not been made.

Wind Velocities.—All velocities given are reduced to "factor 2.2," and are expressed in metres per second, m/s, with an alternative in miles per hour, mi/hr.

Holy Days.—The names of the Holy Days find a place in the Meteorological Calendar in view of their traditional association with the weather. The tradition survives in a few cases such as St. Swithin's Day. For reference to others "Weather Lore," by Mr. R. Inwards, may be consulted.

DIARY.

The * symbol denotes that at the observatories the day so marked is a change-day for two-day sheets.

The note "post anemograms" is inserted each Monday, but when postal arrangements permit the anemograms should be posted on Sunday.

International Cloud Days.—International co-operation is interrupted, but observations of cloud motion on the international plan should be made on each balloon day and on the day preceding and succeeding.

Meteorological and Magnetic Year Book.—The Weekly Weather Report for each week is issued on the Friday of the following week. The Quarterly and Annual Appendices and the Annual Summary to the Monthly Weather Report are due for issue on the dates specified in the Calendar. (The Monthly Flysheet for each month is issued on the first day of the following month unless that day happens to be a Sunday.) The Monthly Weather Report is due to be issued on the first day of the next month but one; a monthly circular for observers accompanies the report. Daily Readings at First and Second Order Stations are due on the last working day of the following month. The Geophysical Journal is due within three months of the close of its period. Hourly Readings for 1918 are to be published as an Annual Volume before the close of 1919.

SOLAR HEAT.

The strength of the solar heat stream is supposed to vary from day to day. According to Abbot its mean value is—

$$\begin{aligned} & 1.93 \text{ gm. cal. per cm}^2 \text{ per min.} \\ & = 135 \text{ milliwatts per cm}^2. \\ & = 32.4 \text{ kilowatt hours per m}^2 \text{ per diem.} \\ & = 11700 \text{ joules per diem per cm}^2. \end{aligned}$$

The accompanying table is derived from the last of these values by means of Zenker's table in which allowance for the variation in the sun's distance is made, so that the figures represent $c \frac{a^2}{r^2} \int \cos z \, dt$ where c is the mean strength of the solar heat stream, z is the sun's zenith distance, r is the distance from the earth to the sun, a its mean value, and the integral is taken over the time the sun is above the horizon.

Gross Vertical Flow of Heat per diem towards the earth from outside the Atmosphere.		
Lat.	52°	56°
Joules per sq. cm.		
Jan. 15	781	539
Feb. 15	1326	1083
Mar. 15	2179	1961
April 15	3076	2923
May 15	3801	3732
June 15	4117	4096
July 15	3944	3906
Aug. 15	3323	3202
Sept. 15	2497	2303
Oct. 15	1597	1361
Nov. 15	927	692
Dec. 15	626	410

Week 1.		DECEMBER 29TH, 1918, TO JANUARY 4TH, 1919.	Days 363 (1918) to 4 (1919)
Astronomical and Historical Notes.		Diary.	
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		* Change day for two-day sheets.	
SUNDAY, DECEMBER 29th.		*363. Post Weekly Returns.	
{ \odot S 23° 3'. M 8h. 43m.			
MONDAY, 30th.		364. Post Anemograms. Post Barograms. Obs.—Close Journal, 63.	
\odot S 23° 2'. M 9h. 35m.			
TUESDAY, 31st.		*365. M.O.—Geophysical Journal, October Copy day.	
S 23° 1'. M 10h. 26m.			
WEDNESDAY, JANUARY 1st.		1.	
{ \odot S 23° 1'. M 11h. 18m.			
NEW YEAR'S DAY (England since 1751, Scotland since 1600). 1876. First publication by "The Times" of 6 p.m. Weather Map.			
THURSDAY, 2nd.		*2. Obs.—Send curves and tabu- lations. Balloon Day.	
\odot S 23° 0'. M 12h. 11m. ● New Moon 8h. 24m.			
FRIDAY, 3rd.		3.	
\odot S 22° 9'. M 13h. 3m.			
SATURDAY, 4th.		*4. Obs.—Close Journal, 1. Post Monthly Climatolo- gical Returns.	
\odot S 22° 8'. M 13h. 54m.			

Times of Sunrise, Noon and Sunset, G.M.T., December 29th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	9	5	12	14	15	23	
Aberdeen	8	52	12	10	15	28	
Eskdalemuir	8	43	12	15	15	47	
Cahirceveen	8	15	12	43	16	36	
Richmond	8	9	12	3	15	58	
Falmouth	8	22	12	22	16	22	

Week 2.		JANUARY 5TH TO JANUARY 11TH, 1919.	Days 5 to 11.
Astronomical and Historical Notes.		Diary.	
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.			
SUNDAY, JANUARY 5th.		5. Post Weekly Returns.	
{ \odot S 22° 7'. M 14h. 44m.			
MONDAY, 6th.		*6. Post Anemograms. Post Barograms. Obs.—Send curves and tabu- lations to complete Decem- ber.	
\odot S 22° 6'. M 15h. 33m.			
EPIPHANY. Twelfth Day 1861. Abbott Lawrence Rotch, American Meteoro- logist, Founder of Blue Hill Observatory, b. [d. 7 Ap. 1912]. 1839. Beginning of two days' hurricane over British Isles. Many fatalities.			
TUESDAY, 7th.		7.	
\odot S 22° 5'. M 16h. 22m.			
1881. Beginning of 21 days of severe frost. (Q.J.).† 1839. End of two days' hurricane over British Isles. Barometer 27·69 in. (939 mb.) at Aberdeen.			
WEDNESDAY, 8th.		*8.	
\odot S 22° 3'. M 17h. 12m.			
1735. W. or W.S.W. gale. So violent a one has not been known since the memorable one of November, 1703.—(LOWE.)* 1820. Barometer 31·046 in. (1052·5 mb.) at Gordon Castle at 9h.			
THURSDAY, 9th.		9. Obs.—Send curves and tabu- lations.	
\odot S 22° 2'. M 18h. 4m.			
First quarter 10h. 24m. 1896. Barometer (sea level) 31·108 in. (1054·5 mb.), Ochtertyre 9h.; 31·106 in. (1054·5 mb.), Fort William.			
FRIDAY, 10th.		*10.	
\odot S 22° 1'. M 18h. 58m.			
1909. Reports by radio-telegraphy from Atlantic liners begun. 1913. Barometer 27·44 in. (929 mb.) recorded by White Star liner "Celtic" in 50° N. 29° W.			
SATURDAY, 11th.		11. Obs.—Close Journal, 2.	
\odot S 21° 9'. M 19h. 54m.			
1914. Eruption of Sakarishima, Japan.			

Times of Sunrise, Noon and Sunset, G.M.T., January 5th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	9	7	12	17	15	28	
Aberdeen	8	49	12	14	15	39	
Eskdalemuir	8	41	12	18	15	55	
Cahirceveen	8	50	12	46	16	42	
Richmond	8	8	12	6	16	4	
Falmouth	8	22	12	26	16	30	

* Natural Phenomena and Chronology of the Seasons.—LOWE.

† Quarterly Journal of the Royal Meteorological Society.

Week 3. JANUARY 12TH TO JANUARY 18TH, 1919. Days 12 to 18.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JANUARY 12th.	☉ S 21° 8'. M 20h. 53m.	Post Weekly Returns. *12.
1915. Pressure at Irkutsk (Siberia) reached 803 mm. = 1071 mb. 1869. Regular daily issue of lithographed copies of the Daily Weather Report begun (see 5 July).		
MONDAY, 13th.	☉ S 21° 6'. M 21h. 53m.	Post Anemograms. 13. Post Barograms.
TUESDAY, 14th.	☉ S 21° 4'. M 22h. 51m.	*14.
1st January (Old Style) in Russian Empire, &c. 1896. Matthew Fontaine Maury, American Marine Meteorologist, b. [d. 1 Feb., 1873]. 1205. "Began a frost which continued till March 22nd so that the ground could not be tilled."—(CHAMBERS.)		
WEDNESDAY, 15th.	☉ S 21° 3'. M 23h. 48m.	15.
1915. Earthquake in Italy. 1820. Temperature at Greenwich 0° 0' F. (255a)		
THURSDAY, 16th.	☉ S 21° 1'. Full Moon 8h. 44m.	*16. Obs.—Send curves and tabulations.
FRIDAY, 17th.	☉ S 20° 9'. M 0h. 40m.	17.
1881. Low temperatures —15° F. (247a) Stobo, (in Stevenson's screen) —16° F. (246a) Kelso, —22° F. (243a) Blackadder. —(S.M., Vol. 16.)† 1706. Benjamin Franklin, Printer, Meteorologist and Diplomatist, b. [d. 1790].		
SATURDAY, 18th.	☉ S 20° 7'. M 1h. 30m.	*18.
1815. Warren de la Rue, Chairman, Kew Committee, b. [d. 19 Ap. 1889]. 1881. Great Snowstorm in South of England known as Black Tuesday (London milk supply curtailed). Highest tide ever recorded in the Thames. 1912. Capt. R F. Scott reached South Pole.		Obs.—Close Journal, 3.

Times of Sunrise, Noon and Sunset, G.M.T., January 12th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	9 3	12 21	15 39	Cahirceveen	8 47	12 49	16 52
Aberdeen	8 44	12 17	15 50	Richmond	8 4	12 9	16 14
Eskdalemuir	8 36	12 21	16 6	Falmouth	8 19	12 29	16 39

† Symons's Meteorological Magazine.

Week 4. JANUARY 19TH TO JANUARY 25TH, 1919. Days 19 to 25.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JANUARY 19th.	☉ S 20° 5'. M 2h. 16m.	Post Weekly Returns. 19.
1830. Heavy snow. Salisbury coach 17 hours coming from Andover. Severe frost.—(Q.J., 1901.)		
MONDAY, 20th.	☉ S 20° 3'. M 3h. 0m.	Post Anemograms. *20. Post Barograms.
1817. William Ferrel, American Mathematician and Meteorologist, b. [d. 18 Sept. 1891]. 1838. Coldest day of century. Thermometer below zero for some hours, followed almost immediately by a variation of nearly 50 degrees —4° F. (253a) at Greenwich.—(Phil. Mag., Vol. XII.)		
TUESDAY, 21st.	☉ S 20° 1'. M 3h. 43m.	21.
WEDNESDAY, 22nd.	☉ S 19° 9'. M 4h. 25m.	*22.
St. Vincent. 1649. "Now," says Evelyn, "was the Thames frozen over, with horrid tempests of wind." —(LOWE.)		
THURSDAY, 23rd.	☉ S 19° 6'. M 5h. 8m.	23. Obs.—Send curves and tabulations.
FRIDAY, 24th.	☉ S 19° 4'. M 5h. 22m. (Last quarter 4h. 22m.)	*24.
1728-9. January 24, a hard frost began which lasted 9 weeks.—(ALMANACK.) 1683-84. Thames planted with booths in formal streets.—(Q.J. XXVIII.)		
SATURDAY, 25th.	☉ S 19° 1'. M 6h. 38m.	25.
ST. PAUL'S DAY. Formerly believed to foreshadow the weather of the year. 1627. Robert Boyle, Experimental Philosopher, b. [d. 30 Dec. 1691].		Obs.—Close Journal, 4.

Times of Sunrise, Noon and Sunset, G.M.T., January 19th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 55	12 23	15 51	Cahirceveen	8 40	12 52	17 4
Aberdeen	8 35	12 19	16 3	Richmond	7 58	12 12	16 26
Eskdalemuir	8 29	12 24	16 19	Falmouth	8 13	12 31	16 49

Week 5. JANUARY 26TH TO FEBRUARY 1ST, 1919. Days 26 to 32.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JANUARY 26th.	☉ S 18° 9'. M 7h. 25m.	Post Weekly Returns. *26.
1884. Great Snowstorm in Scotland, Barometer 27·332 in. (926·5 mb. Sea level), Ochtertyre. Very heavy gale generally.		
MONDAY, 27th.	☉ S 18° 7'. M 8h. 15m.	Post Anemograms. 27. Post Barograms.
1866. Meteorological Society Incorporated by Royal Charter. 1881. End of 21 days' spell of severe frost.		
TUESDAY, 28th.	☉ S 18° 4'. M 9h. 7m.	*28.
1833. Robert Henry Scott, First Director of Meteorological Office, b. [d. 18 June 1916].		
WEDNESDAY, 29th.	☉ S 18° 1'. M 10h. 0m.	29.
THURSDAY, 30th.	☉ S 17° 9'. M 10h. 53m.	Obs.—Send curves and tabulations. *30.
FRIDAY, 31st.	☉ S 17° 6'. M 11h. 45m.	31. M.O.—Geophysical Journal, November Copy day.
● New Moon 23h. 7m. 1902. Barometer (Sea level) 31·110 in. (1055 mb.), Aberdeen.		
SATURDAY, FEBRUARY 1st.	☉ S 17° 3'. M 12h. 3m.	Obs.—Close Journal, 5. *32. M.O.—W.W.R. Introduction and Annual Appendices I, II, Copy day.
1894. First telegraphic report from Azores (Delgada).		

Times of Sunrise, Noon and Sunset, G.M.T., January 26th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 40	12 25	16 10	Cahirceveen	8 33	12 54	17 14
Aberdeen	8 23	12 21	16 19	Richmond	7 51	12 14	16 36
Eskdalemuir	8 19	12 25	16 31	Falmouth	8 5	12 33	17 1

Week 6. FEBRUARY 2ND TO FEBRUARY 8TH, 1919. Days 33 to 39.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, FEBRUARY 2nd.	☉ S 17° 0'. M 13h. 27m.	Post Weekly Returns. 33.
CANDLEMAS.		
MONDAY, 3rd.	☉ S 16° 7'. M 14h. 18m.	Post Anemograms. *34. Post Barograms.
TUESDAY, 4th.	☉ S 16° 4'. M 15h. 9m.	35. Climatological Stations. Schedule day.
1907. Reports by radiotelegraphy from H.M. Ships begun.		
WEDNESDAY, 5th.	☉ S 16° 1'. M 16h. 1m.	*36. Obs.—Send curves and tabulations to complete January. Balloon Day.
1861. First cautionary or "Storm Signal" made. 1870. Barometer 27·33 in. (926 mb.), S.S. "Tarifa," 51°N., 24°W.		
THURSDAY, 6th.	☉ S 15° 8'. M 16h. 54m.	37. Obs.—Send curves and tabulations. Balloon Day.
St. Dorothea. 1665. "One of the coldest days, they say, ever felt in England."—(PEPYS.)		
FRIDAY, 7th.	☉ S 15° 5'. M 17h. 50m.	*38. Balloon Day.
D First quarter 18h. 52m. 1895. Temperature—10° F. (250a) at Barkby, near Leicester.		
SATURDAY, 8th.	☉ S 15° 2'. M 18h. 47m.	39. Obs.—Close Journal, 6.
1750. Last considerable earthquake in England. —(HORACE WALPOLE'S LETTERS.) 1895. Beginning of 14 days' frost, with skating on the Serpentine. Temperature—12° F. (249a), Braemar.		

Times of Sunrise, Noon and Sunset, G.M.T., February 2nd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 25	12 26	16 26	Cahirceveen	8 23	12 55	17 27
Aberdeen	8 10	12 22	16 34	Richmond	7 40	12 15	16 50
Eskdalemuir	8 7	12 27	16 47	Falmouth	7 56	12 34	17 12

Week 7. FEBRUARY 9TH TO FEBRUARY 15TH, 1919. Days 40 to 46.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, FEBRUARY 9th. 1731. River Thames frozen up.—(SHORT.)	☉ S 14° 9'. M 19h. 45m.	Post Weekly Returns. *40.
MONDAY, 10th.	☉ S 14° 6'. M 20h. 43m.	Post Anemograms. 41. Post Barograms.
TUESDAY, 11th.	☉ S 14° 3'. M 21h. 39m.	*42.
WEDNESDAY, 12th. St. Eulalie.	☉ S 13° 9'. M 22h. 32m.	43.
THURSDAY, 13th. 1899. Min. temp. New Orleans 7° F. Ice 2 in. thick on Mississippi.—(S.M.)*	☉ S 13° 6'. M 23h. 22m.	Obs.—Send curves and tabu- lations. *44.
FRIDAY, 14th. 1698. Great Snowstorm: snow drifts several yards deep.—(LOWE.)	☉ S 13° 3'. Full Moon 23h. 38m.	45.
SATURDAY, 15th. 1907. Full service of telegraphic reports from Iceland.	☉ S 12° 9'. M 0h. 9m.	Obs.—Close Journal, 7. M.O.—Half-yearly issue of cards to Sunshine stations. *46.

Times of Sunrise, Noon and Sunset, G.M.T., February 9th.

	h. m.				h. m.		
Wick	8 10	12 27	16 34	Cahirciveen	8 10	12 55	17 40
Aberdeen	7 55	12 23	16 51	Richmond	7 29	12 15	17 7
Eskdalemuir	7 53	12 27	17 1	Falmouth	7 45	12 35	17 25

* See M.O. Publication, 142.

Week 8. FEBRUARY 16TH TO FEBRUARY 22ND, 1919. Days 47 to 53.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, FEBRUARY 16th. 1822. Sir F. Galton, Traveller and Investigator, Chairman Kew Committee, b. [d. 17 Jan., 1911].	☉ S 12° 6'. M 0h. 54m.	Post Weekly Returns. 47.
MONDAY, 17th. 1571. Earthquake in Herefordshire.	☉ S 12° 2'. M 1h. 37m.	Post Anemograms. *48. Post Barograms.
TUESDAY, 18th. 1564. Galileo Galilei b. [d. 8 Jan., 1642]. 1895. Ice 10 in. thick, Regent's Park.	☉ S 11° 9'. M 2h. 20m.	49.
WEDNESDAY, 19th. 1895. Remarkable Temperature Inversion 9 a.m., Ben Nevis, Summit, 274a (33° 8' F.), Fort William 264a (15° 8' F.). 1895. Ice 7½ in. thick, Serpentine. (Q.J.)	☉ S 11° 5'. M 3h. 3m.	*50.
THURSDAY, 20th. 1663. "Danzig Phenomenon." An elaborate arrangement of solar halos, &c., seen and depicted by Hevel, the German Astronomer. 1907. "Berlin" wrecked North Sea. Birthday of Princess Royal.	☉ S 11° 2'. M 3h. 46m.	Obs.—Send curves and tabu- lations. 51. Flag Day.
FRIDAY, 21st. 1895. End of 14 days' frost with skating on Serpentine.	☉ S 10° 8'. M 4h. 31m.	*52.
SATURDAY, 22nd.	☉ S 10° 5'. M 5h. 18m.	Obs.—Close Journal, 8. 53.

Times of Sunrise, Noon and Sunset, G.M.T., February 16th.

	h. m.				h. m.		
Wick	7 52	12 27	17 2	Cahirciveen	7 57	12 55	17 53
Aberdeen	7 39	12 23	17 7	Richmond	7 16	12 15	17 14
Eskdalemuir	7 37	12 27	17 17	Falmouth	7 33	12 35	17 37

Week 9. FEBRUARY 23RD TO MARCH 1ST, 1919. Days 54 to 60.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary. Last week of Winter Quarter.
SUNDAY, FEBRUARY 23rd.	☉ S 10° 1'. M 6h. 6m. (Last quarter 1h. 48m.	Post Weekly Returns. *54.
MONDAY, 24th. St. Matthias.	☉ S 9° 7'. M 6h. 56m.	Post Anemograms. 55. Post Barograms.
TUESDAY, 25th.	☉ S 9° 4'. M 7h. 47m.	*56.
WEDNESDAY, 26th.	☉ S 9° 0'. M 8h. 39m.	57.
THURSDAY, 27th. 1903. Destructive Circular Storm. Strongest gust 39.3 m/s (88 mi/hr). Pendennis. Maximum hourly velocity, 24.6 m/s (55 mi/hr). (Q.J.)	☉ S 8° 6'. M 9h. 31m.	Obs.—Send curves and tabu- lations. *58.
FRIDAY, 28th. St. Romanus. 1683. René Antoine Ferchault de Réaumur b. [d. 17 Oct., 1757].	☉ S 8° 3'. M 10h. 23m.	M.O.—Geophysical Journal, 59. December Copy day. Sunshine stations. Equi- noctial cards (straight) to be used from 1st March until 12th April.
SATURDAY, MARCH 1st. St. David.	☉ S 7° 9'. M 11h. 15m.	Obs.—Close Journal, 9. *60. M.W.R.—Introduction and Annual Supplement Copy Day.

Times of Sunrise, Noon and Sunset, G.M.T., February 23rd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 34	12 26	17 18	Cahirciveen	7 43	12 55	18 7
Aberdeen	7 21	12 22	17 23	Richmond	7 2	12 15	17 28
Eskdalemuir	7 21	12 26	17 31	Falmouth	7 19	12 34	17 49

Week 10. MARCH 2ND TO MARCH 8TH, 1919. Days 61 to 67.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary. First week of Spring Quarter.
SUNDAY, MARCH 2nd.	☉ S 7° 5'. M 12h. 7m. ● New Moon 11h. 11m.	Post Weekly Returns 61.
St. Chad. 1843. Sir W. J. L. Wharton, Hydrographer to the Navy, b. [d. 29 Sept., 1905]. 1862. Prince Boris Galitzine, Russian Meteo- rologist and Seismologist, b. [d. 17 May, 1916]. 1784. Blanchard, aeronaut, made his first ascent from Paris in a hydrogen balloon.		
MONDAY, 3rd. St. Winnold.	☉ S 7° 1'. M 12h. 59m.	Post Anemograms. *62. Post Barograms.
1841. Sir John Murray, Oceanographer, b. [d. 16 March, 1914].		
TUESDAY, 4th. SHROVE TUESDAY.	☉ S 6° 7'. M 13h. 52m.	63. Climatological stations. Schedule day.
WEDNESDAY, 5th. ASH WEDNESDAY.	☉ S 6° 3'. M 14h. 47m.	*64. Obs.—Send curves and tabu- lations to complete February.
THURSDAY, 6th.	☉ S 6° 0'. M 15h. 44m.	65. Obs.—Send curves and tabu- lations. Balloon day.
FRIDAY, 7th. 1792. Sir J. F. W. Herschel, Astronomer, b. [d. 11 May, 1871].	☉ S 5° 6'. M 16h. 42m.	*66.
SATURDAY, 8th. 1890. Thunderstorm and whirlwind at York. (Q.J.)	☉ S 5° 2'. M 17h. 41m.	67. Obs.—Close Journal, 10.

Times of Sunrise, Noon and Sunset, G.M.T., March 2nd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 14	12 24	17 34	Cahirciveen	7 26	12 53	18 18
Aberdeen	7 3	12 21	17 38	Richmond	6 47	12 13	17 39
Eskdalemuir	7 4	12 25	17 46	Falmouth	7 5	12 33	18 1

Week 11. MARCH 9TH TO MARCH 15TH, 1919. Days 68 to 74.

Astronomical and Historical Notes. Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, MARCH 9th. \odot S 4·8°. M 18h. 39m. First quarter 3h. 14m.	Post Weekly Returns. *68.
MONDAY, 10th. \odot S 4·4°. M 19h. 34m. 1899. Discovery of the Stratosphere by Teisserenc de Bort.	Post Anemograms. 69. Post Barograms.
TUESDAY, 11th. \odot S 4·0°. M 20h. 27m. 1811. Leverrier, French Astronomer, b. [d. 23 Sept. 1877]. 1872. Weather Charts first included in D.W.R. 1911. Western European Standard time (G.M.T.) adopted in France.	*70.
WEDNESDAY, 12th. \odot S 3·6°. M 21h. 18m.	71.
THURSDAY, 13th. \odot S 3·2°. M 22h. 5m. 1900. Highest barometer reading on board ship in N. Atlantic, 31·09 in. (1054 mb.), S.S. "Lupen" in 55° N., 24° W.	Obs.—Send curves and tabu- lations. *72.
FRIDAY, 14th. \odot S 2·8°. M 22h. 50m. 1905. Highest gust on record for M.O. anemo- graphs, 46 m/s (103 mi/hr) at Pendennis Castle, Falmouth.	M.O.—Quarterly issue of forms. 73.
SATURDAY, 15th. \odot S 2·4°. M 23h. 33m. 1615. Highest flood ever known in Norwich.— (Geol. Memoir. Woodward.)	Obs.—Close Journal, 11. *74.

Times of Sunrise, Noon and Sunset, G.M.T., March 9th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	6 54	12 23	17 52	Cahirciveen	7 13	12 52	18 32
Aberdeen ...	6 44	12 19	17 54	Richmond ...	6 32	12 12	17 52
Eskdalemuir	6 47	12 24	18 1	Falmouth ...	6 50	12 31	18 12

Week 12. MARCH 16TH TO MARCH 22ND, 1919. Days 75 to 81.

Astronomical and Historical Notes. Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, MARCH 16th. \odot S 2·0°. M — Full Moon 15h. 41m.	Post Weekly Returns. 75.
MONDAY, 17th. \odot S 1·7°. M 0h. 16m.	Post Anemograms. *76. Post Barograms.
TUESDAY, 18th. \odot S 1·3°. M 0h. 59m. Birthday of Duchess of Argyll.	77.
WEDNESDAY, 19th. \odot S 0·9°. M 1h. 42m. St. Joseph.	*78.
THURSDAY, 20th. \odot S 0·5°. M 2h. 27m. Vernal Equinox. 1727. Sir Isaac Newton d. [b. 25 Dec. 1642].	79. Obs.—Send curves and tabu- lations.
FRIDAY, 21st. \odot S 0·1°. M 3h. 12m. 1893. First registering balloon ascent. (Her- mite and Besançon.)	*80.
SATURDAY, 22nd. \odot S 0·3°. M 4h. 0m. 1682. River Thames, at London, ebbd and flowed three times in four hours.—(LOWE.) 1903. Eruption of La Soufrière.	81. Obs.—Close Journal, 12.

Times of Sunrise, Noon and Sunset, G.M.T., March 16th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	6 34	12 21	18 8	Cahirciveen	6 55	12 50	18 45
Aberdeen ...	6 26	12 17	18 9	Richmond ...	6 15	12 10	18 5
Eskdalemuir	6 29	12 22	18 15	Falmouth ...	6 35	12 29	18 23

Week 13. MARCH 23RD TO MARCH 29TH, 1919. Days 82 to 88.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, MARCH 23rd.	\odot N 0.7°. M 4h. 48m.	Post Weekly Returns. *82.
MONDAY, 24th.	\odot N 1.1°. M 5h. 38m. (Last quarter 20h. 34m.)	Post Anemograms. 83. Post Barograms.
1878. "Eurydice" line-squall. (Q.J.) 1895. Destructive secondary passed across England. (F.W.)* 1902. Circular storm. Hourly wind velocity, 18.8 m/s (42 mi/hr), Valencia. (L.H.)† 1918. Maximum of 295a recorded at Worksop, highest March temperature recorded for 43 years. Summer Time began.		
TUESDAY, 25th.	\odot N 1.5°. M 6h. 29m.	*84.
Lady Day.		
WEDNESDAY, 26th.	\odot N 1.9°. M 7h. 19m.	85.
THURSDAY, 27th.	\odot N 2.3°. M 8h. 10m.	*86. Obs.—Send curves and tabulations.
FRIDAY, 28th.	\odot N 2.7°. M 9h. 1m.	87.
1916. Gale and snowstorm; highest gust at Richmond, 31.1 m/s (70 mi/hr). Great destruction of trees in Midland and Home Counties.		
SATURDAY, 29th.	\odot N 3.1°. M 9h. 52m.	*88. Obs.—Close Journal, 13.

Times of Sunrise, Noon and Sunset, G.M.T., March 23rd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	6 24	12 19	18 14	Cahiriveen	6 40	12 48	18 56
Aberdeen ...	6 6	12 15	18 24	Richmond ..	6 0	12 8	18 16
Eskdalemuir	6 11	12 20	18 29	Falmouth ...	6 19	12 27	18 35

* Forecasting Weather, by Sir Napier Shaw, F.R.S.
† Life History of Surface Air Currents, M.O. Publication 174,

Week 14. MARCH 30TH TO APRIL 5TH, 1919. Days 89 to 95.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, MARCH 30th.	\odot N 3.5°. M 10h. 44m.	Post Weekly Returns. 89.
MONDAY, 31st.	\odot N 3.9°. M 11h. 37m. ● New Moon 21h. 5m.	Post Anemograms. *90. Post Barograms. M.O.—Geophysical Journal, January Copy day. Flag day.
Birthday of Prince Henry.		
TUESDAY, APRIL 1st.	\odot N 4.2°. M 12h. 32m.	91.
1879. Issue of forecasts resumed. First publication by "The Times" of the 8 a.m. Weather Map.		
WEDNESDAY, 2nd.	\odot N 4.6°. M 13h. 30m.	*92.
1797. J. P. Cassiot, Benefactor Kew Observatory, b. [d. 15 Aug. 1877].		
THURSDAY, 3rd.	\odot N 5.0°. M 14h. 30m.	93.
1617. Napier of Merchiston, inventor of logarithms, d. [b. 1550]. 1850. Royal Meteorological Society founded as British Meteorological Society.		Obs.—Send curves and tabulations. Balloon day.
FRIDAY, 4th.	\odot N 5.4°. M 15h. 31m.	*94. Climatological stations. Schedule day.
1114. River Thames, in London, so dry that children waded over between the bridges and the town.—(Stow.)		
SATURDAY, 5th.	\odot N 5.8°. M 16h. 31m.	95.
2nd March, Old Style, Lady Day and New Year's Day, 1700 to 1750.		Obs.—Close Journal, 14. Send curves and tabulations to complete March.

Times of Sunrise, Noon and Sunset, G.M.T., March 30th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	5 53	12 16	18 39	Cahiriveen	6 24	12 46	19 8
Aberdeen ...	5 47	12 13	18 39	Richmond ...	5 44	12 6	18 28
Eskdalemuir	5 52	12 17	18 42	Falmouth ...	6 5	12 25	18 45

Week 15. APRIL 6TH TO APRIL 12TH, 1919. Days 96 to 102.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, APRIL 6th. ☉ N 6° 2'. M 17h. 29m. 1580. Severe earthquake in London. 1909. Commander Peary, U.S.N., at the North Pole.		*96. Post Weekly Returns.
MONDAY, 7th. ☉ N 6° 5'. M 18h. 24m. D First quarter 12h. 39m. 1809. James Glaisher, meteorologist and balloonist, b. [d. 7th Feb., 1903]. 1815. Tomboro (E. Indies) eruption, April 7th-12th.		97. Post Anemograms. Post Barograms.
TUESDAY, 8th. ☉ N 6° 9'. M 19h. 15m. 1917. Summer Time adopted. Railway and P.O. clocks moved forward one hour.		*98.
WEDNESDAY, 9th. ☉ N 7° 3'. M 20h. 3m.		99.
THURSDAY, 10th. ☉ N 7° 7'. M 20h. 48m.		*100. Obs.—Send curves and tabulations.
FRIDAY, 11th. ☉ N 8° 0'. M 21h. 32m. 1829. Alexander Buchan, meteorologist, b. [d. 13 May, 1907]. Cold spell in Scotland, April 11th-14th (Borrowing Days)—BUCHAN.*		101.
SATURDAY, 12th. ☉ N 8° 4'. M 22h. 15m.		*102. Obs.—Close Journal, 15. Sunshine stations. Summer Cards to be used from 13th April until 31st Aug.

Times of Sunrise, Noon and Sunset, G.M.T., April 6th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 34	12 14	18 54	Cahirceiven	6 8	12 44	19 19
Aberdeen	5 28	12 11	18 54	Richmond	5 28	12 4	18 40
Eskdalemuir	5 35	12 15	18 56	Falmouth	5 50	12 23	18 57

* Handy Book of Meteorology, p. 140.

Week 16. APRIL 13TH TO APRIL 19TH, 1919. Days 103 to 109.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, APRIL 13th. ☉ N 8° 8'. M 22h. 57m. Palm Sunday.		103. Post Weekly Returns.
MONDAY, 14th. ☉ N 9° 1'. M 23h. 40m. Princess Beatrice's Birthday. 1629. Christiaan Huyghens, Natural Philosopher, b. [d. 8 June, 1695].		*104. Post Anemograms. Post Barograms. Flag day.
TUESDAY, 15th. ☉ N 9° 5'. M — Full Moon 8h. 25m. 1912. S.S. "Titanic" sunk by iceberg in Atlantic, 41° 16' N., 50° 14' W. 1800. James Clarke Ross, Antarctic Explorer, b. [d. 3 April, 1862].		105.
WEDNESDAY, 16th. ☉ N 9° 8'. M 0h. 24m. 1682. John Hadley, Inventor of the Sextant, b. [d. 15 Feb., 1744]. 1786. Sir John Franklin, Explorer, b. [d. 1847].		*106.
THURSDAY, 17th. ☉ N 10° 2'. M 1h. 9m.		107. Obs.—Send curves and tabulations.
FRIDAY, 18th. ☉ N 10° 6'. M 1h. 56m. GOOD FRIDAY.		*108.
SATURDAY, 19th. ☉ N 10° 9'. M 2h. 44m.		109. Obs.—Close Journal, 16.

Times of Sunrise, Noon and Sunset, G.M.T., April 13th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 14	12 13	19 12	Cahirceiven	5 52	12 42	19 32
Aberdeen	5 9	12 9	19 9	Richmond	5 13	12 2	18 51
Eskdalemuir	5 18	12 13	19 9	Falmouth	5 34	12 21	19 8

Week 17. APRIL 20TH TO APRIL 26TH, 1919. Days 110 to 116.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, APRIL 20th. EASTER DAY.	☉ N 11° 2'. M 3h. 33m.	Post Weekly Returns. *110.
MONDAY, 21st. EASTER MONDAY.	☉ N 11° 6'. M 4h. 23m.	Post Anemograms. 111. Post Barograms.
TUESDAY, 22nd. 1884. Colchester Earthquake.	☉ N 11° 9'. M 5h. 12m.	*112.
WEDNESDAY, 23rd. St. George. 1792, T. R. Robinson, Astronomer and Meteorologist, b. [d. 28 Feb. 1882].	☉ N 12° 3'. M 6h. 2m. (Last quarter 11h. 21m.)	113.
THURSDAY, 24th.	☉ N 12° 6'. M 6h. 51m.	*114. Obs.—Send curves and tabulations.
FRIDAY, 25th. St. Mark. Princess Mary's birthday. 1791. Major-Gen. W. Reid, R.E., b. [d. 31 Oct., 1858]. Author of "Law of Storms." 1908. Great Snowfalls, Midlands and South.—(M.W.R.)	☉ N 12° 9'. M 7h. 40m.	115. Flag day.
SATURDAY, 26th. 1908. Great Snowfalls, Midlands and South.—(M.W.R.) 1916. Aeroplane height record.—H. G. Hawker, 7,200m. (23,622 feet).	☉ N 13° 3'. M 8h. 30m.	*116. Obs.—Close Journal, 17.

Times of Sunrise, Noon and Sunset, G.M.T., April 20th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 56	12 11	19 26	Cahirvee	5 37	12 40	19 42
Aberdeen ...	4 51	12 7	19 25	Richmond ...	4 58	12 0	19 2
Eskdalemuir	5 1	12 12	19 24	Falmouth ...	5 20	12 19	19 19

Week 18. APRIL 27TH TO MAY 3RD, 1918. Days 117 to 123.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, APRIL 27th.	☉ N 13° 6'. M 9h. 21m.	Post Weekly Returns. 117.
MONDAY, 28th.	☉ N 13° 9'. M 10h. 14m.	*118. Post Anemograms. Post Barograms. M.O.—Discussion, 17h.
TUESDAY, 29th.	☉ N 14° 2'. M 11h. 11m.	119.
WEDNESDAY, 30th. 1777. Karl Friedrich Gauss, Mathematician, b. [d. 23 Feb., 1855].	☉ N 14° 5'. M 12h. 11m. ● New Moon 5h. 30m.	*120. M.O.—Geophysical Journal, February Copy day.
THURSDAY, MAY 1st. St. Philip and St. James. Duke of Connaught's birthday. 1914. Millibars used for pressure and millimetres for rainfall in the Daily Weather Report.	☉ N 14° 8'. M 13h. 13m.	121. Obs.—Send curves and tabulations.
FRIDAY, 2nd.	☉ N 15° 1'. M 14h. 15m.	*122.
SATURDAY, 3rd. 1698. A great deep snow all over England.—(LOWE.)	☉ N 15° 4'. M 15h. 17m.	123. Obs.—Close Journal, 18. Climatological stations. Schedule day.

Times of Sunrise, Noon and Sunset, G.M.T., April 27th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 38	12 10	19 42	Cahirvee	5 22	12 39	19 56
Aberdeen ...	4 33	12 6	19 40	Richmond ...	4 43	11 59	19 14
Eskdalemuir	4 43	12 10	19 37	Falmouth ...	5 7	12 18	19 30

Week 19. MAY 4TH TO MAY 10TH, 1918. Days 124 to 130.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, MAY 4th. ☉ N 15·7°. M 16h. 15m. 1697. Thunderstorm at Hitchin, with hailstones 13 or 14 ins.—(LOWE.)		*124. Post Weekly Returns.
MONDAY, 5th. ☉ N 16·0°. M 17h. 9m.		125. Post Anemograms. Post Barograms. Obs.—Send curves and tabu- lations to complete April. M.O.—Discussion, 17h.
TUESDAY, 6th. ☉ N 16·3°. M 18h. 0m. First quarter 23h. 54m. 1910. Accession of King George V. 1915. Thunderstorms with very heavy rain (75 mm.) in the central and northern parts of London.		*126.
WEDNESDAY, 7th. ☉ N 16·6°. M 18h. 46m. 1902. La Soufrière, St. Vincent, in eruption.		127.
THURSDAY, 8th. ☉ N 16·9°. M 19h. 31m. 1902. Mont Pelée eruption, Martinique.		*128. Obs.—Send curves and tabu- lations. Balloon day.
FRIDAY, 9th. ☉ N 17·1°. M 20h. 14m.		129.
SATURDAY, 10th. ☉ N 17·4°. M 20h. 56m.		*130. Obs.—Close Journal, 19.

Times of Sunrise, Noon and Sunset, G.M.T., May 4th.

				h. m.	h. m.					h. m.	h. m.	h. m.		
Wick	...	4	20	12	9	19	58	Cahirciveen	5	8	12	38	20	8
Aberdeen	...	4	16	12	5	19	54	Richmond	4	30	11	58	19	26
Eskdalemuir		4	29	12	10	19	51	Falmouth	4	54	12	17	19	40

Week 20. MAY 11TH TO MAY 17TH, 1919. Days 131 to 137.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, MAY 11th. ☉ N 17·7°. M 21h. 38m.		131. Post Weekly Returns.
MONDAY, 12th. ☉ N 17·9°. M 22h. 22m. St. Pancras. Approximate average date of commencement of cold spell at Kew (M.O. 154).*		*132. Post Anemograms. Post Barograms. M.O.—Discussion, 17h.
TUESDAY, 13th. ☉ N 18·2°. M 23h. 7m. St. Gervais.		133.
WEDNESDAY, 14th. ☉ N 18·4°. M 23h. 53m. 1686. Gabriel Daniel Fahrenheit, b. [d. 16 Sept. 1736].		*134.
THURSDAY, 15th. ☉ N 18·7°. M — Full Moon 1h. 1m. 1835. Henrik Mohn, Norwegian Meteorologist, b. [d. 12 Sept. 1916]. Approximate average date of commencement of cold spell at Aberdeen and Falmouth (M.O. 154).*		135. Obs.—Send curves and tabu- lations.
FRIDAY, 16th. ☉ N 18·9°. M 0h. 41m.		*136.
SATURDAY, 17th. ☉ N 19·1°. M 1h. 30m. 1906. Valparaiso earthquake.		137. Obs.—Close Journal, 20.

Times of Sunrise, Noon and Sunset, G.M.T., May 11th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 3	12 8	20 13	Cahirciveen	4 56	12 37	20 18
Aberdeen ...	4 1	12 5	20 9	Richmond ...	4 18	11 57	19 36
Eskdalemuir	4 14	12 9	20 4	Falmouth ...	4 43	12 17	19 51

* One of the numbered publications of the Meteorological Office.

Week 21. MAY 18TH TO MAY 24TH, 1919. Days 138 to 144.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, MAY 18th. ☉ N 19° 4'. M 2h. 19m. 1888. Thunderstorms over England and Scotland. (Q.J.) 1906. San Francisco earthquake.		*138. Post Weekly Returns.
MONDAY, 19th. ☉ N 19° 6'. M 3h. 9m.		139. Post Anemograms. Post Barograms. M.O.—Discussion, 17h.
TUESDAY, 20th. ☉ N 19° 8'. M 3h. 58m. 1916. Summer Time adopted. Railway and P.O. clocks moved forward one hour.		*140.
WEDNESDAY, 21st. ☉ N 20° 0'. M 4h. 46m. 1918. Maximum of 300a at Kew Observatory, Richmond. 8·9 mm. of rain fell at Meltham (Yorks.) in 10½ minutes.		141.
THURSDAY, 22nd. ☉ N 20° 2'. M 5h. 34m. ☉ Last quarter 22h. 4m. 1867. Snow on Derby day. (S.M. 1896). 1918. At Meltham (Yorks.), May 21st and 22nd, hottest May days for 40 years (300a). Most severe thunderstorm ever experienced at Southport.		*142. Obs.—Send curves and tabulations.
FRIDAY, 23rd. ☉ N 20° 4'. M 6h. 22m. 1867. M.O. Daily Charts begun.		143.
SATURDAY, 24th. ☉ N 20° 6'. M 7h. 11m. Empire Day. 1545. William Gilbert of Colchester, Magnetician, b. [d. 30 Nov. 1603].		*144. Obs.—Close Journal, 21. Flag day.

Times of Sunrise, Noon and Sunset, G.M.T., May 18th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	3 49	12 9	20 30	Cahiriveen	4 45	12 37	20 28
Aberdeen	3 47	12 5	20 23	Richmond	4 7	11 57	19 47
Eskdalemuir	4 2	12 9	20 17	Falmouth	4 33	12 17	20 1

Week 22. MAY 25TH TO MAY 31ST, 1919. Days 145 to 151.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Last week of Spring Quarter.
SUNDAY, MAY 25th. ☉ N 20° 8'. M 8h. 1m. St. Urban. Princess Christian's Birthday.		145. Post Weekly Returns. Flag day.
MONDAY, 26th. ☉ N 21° 0'. M 8h. 54m. Birthday of Queen Mary.		*146. Post Anemograms. Post Barograms. M.O.—Discussion, 17h. Flag day.
TUESDAY, 27th. ☉ N 21° 2'. M 9h. 51m.		147.
WEDNESDAY, 28th. ☉ N 21° 3'. M 10h. 51m.		*148.
THURSDAY, 29th. ☉ N 21° 5'. M 11h. 54m. Ascension Day. ● New Moon 13h. 12m. 1914. S.S. "Empress of Ireland" sunk in St. Lawrence River.		149. Obs.—Send curves and tabulations.
FRIDAY, 30th. ☉ N 21° 7'. M 12h. 57m.		*150.
SATURDAY, 31st. ☉ N 21° 8'. M 13h. 59m. 1905. First meeting of the Meteorological Committee. 1911. Thunderstorm at Epsom, 2·44 in. (62 mm.) rain in 50 m. (Derby Day). (W.W.R.)*		151. Obs.—Close Journal, 22. M.O.—Geophysical Journal, March Copy day.

Times of Sunrise, Noon and Sunset, G.M.T., May 25th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	3 36	12 9	20 42	Cahiriveen	4 37	12 38	20 39
Aberdeen	3 35	12 5	20 36	Richmond	3 59	11 58	19 57
Eskdalemuir	3 51	12 10	20 29	Falmouth	4 24	12 17	20 10

* Weekly Weather Report.

Week 23. JUNE 1ST TO JUNE 7TH, 1919. Days 152 to 158.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary. First week of Summer Quarter.	
SUNDAY, JUNE 1st. ☉ N 21° 9'. M 14h. 57m. 1796. Sadi Carnot, French Physicist, b. [d. June, 1832]. 1831. North magnetic pole located by J. C. Ross. 1908. Thunder squall at Bushey, rain estimated at 275 in. (7 mm.) in two minutes.		*152. Post Weekly Returns.	
MONDAY, 2nd. ☉ N 22° 1'. M 15h. 51m.		153. Post Anemograms. Post Barograms. M.O.—Observer's Handbook. Copy day. Discussion, 17h.	
TUESDAY, 3rd. ☉ N 22° 2'. M 16h. 40m. Birthday of His Majesty King George V.		*154. Flag day.	
WEDNESDAY, 4th. ☉ N 22° 3'. M 17h. 27m.		155. Post Monthly Climatologi- cal Returns. Balloon day.	
THURSDAY, 5th. ☉ N 22° 5'. M 18h. 11m. D First Quarter 12h. 22m.		*156. Obs.—Send curves and tabu- lations to complete May and Week 22. Balloon day.	
FRIDAY, 6th. ☉ N 22° 6'. M 18h. 54m. 1868. Captain Robert Falcon Scott, R.N., Ant- arctic Explorer, b. [d. 29 March, 1912]. 1912. Eruption of Katmai, Alaska.		157. Balloon day.	
SATURDAY, 7th. ☉ N 22° 7'. M 19h. 37m. Corpus Christi. 1892. Great Sangir (E. Archipelago) in Eruption.		*158. Obs.—Close Journal, 23.	

Times of Sunrise, Noon and Sunset, G.M.T., June 1st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 27	12 10	20 53	Cahirciveen	4 29	12 39	20 47
Aberdeen ...	3 25	12 6	20 47	Richmond ...	3 52	11 59	20 6
Eskdalemuir	3 42	12 10	20 39	Falmouth ...	4 18	12 18	20 19

Week 24. JUNE 8TH TO JUNE 14TH, 1919. Days 159 to 165.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.	
SUNDAY, JUNE 8th. ☉ N 22° 8'. M 20h. 20m. WHIT SUNDAY. St. Medard. 1783. Eruption of Skaptar Jökull, Iceland.		159. Post Weekly Returns.	
MONDAY, 9th. ☉ N 22° 9'. M 21h. 4m. WHIT MONDAY. 1886. Eruption of Tarawera, New Zealand.		*160. Post Anemograms. Post Barograms.	
TUESDAY, 10th. ☉ N 23° 0'. M 21h. 50m.		161.	
WEDNESDAY, 11th. ☉ N 23° 0'. M 22h. 37m. St. Barnabas.		*162.	
THURSDAY, 12th. ☉ N 23° 1'. M 23h. 26m.		163. Obs.—Send curves and tabu- lations.	
FRIDAY, 13th. ☉ N 23° 2'. M — Full Moon 16h. 28m. 1903. Beginning of 3 days' continuous rainfall in London.		*164.	
SATURDAY, 14th. ☉ N 23° 2'. M 0h. 16m. 1914. Remarkable thunderstorms on south- western outskirts of London. Rainfall at Richmond Park 3.7 in. (94 mm.).		165. Obs.—Close Journal, 24. M.O.—Quarterly issue of forms.	

Times of Sunrise, Noon and Sunset, G.M.T., June 8th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 18	12 11	21 4	Cahirciveen	4 24	12 40	20 56
Aberdeen ...	3 18	12 7	20 56	Richmond ...	3 47	12 0	20 13
Eskdalemuir	3 37	12 12	20 47	Falmouth ...	4 13	12 19	20 25

Week 25. JUNE 15TH TO JUNE 21ST, 1919. Days 166 to 172.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JUNE 15th. TRINITY SUNDAY. 1854. Department for Marine Meteorology initiated by Mr. Cardwell for the Board of Trade. 1914. Severe thunderstorm, with subsidence of streets, at Paris.	\odot N 23° 3'. M 1h. 6m.	*166. Post Weekly Returns.
MONDAY, 16th. 1914. Thunderstorm, Bavaria. Damage by hail and floods.	\odot N 23° 3'. M 1h. 55m.	167. Post Anemograms. Post Barograms. M.O.—Discussion, 17h.
TUESDAY, 17th. Third Earl of Rosse, Astronomer, b. 1800, [d. 31 Oct., 1867]. 1913. Eruption of Asama-yama, Japan. 1914. Collision during fog between the liner "Kaiser Wilhelm II" and "Incemore" (Liverpool) in the Channel.	\odot N 23° 4'. M 2h. 44m.	*168.
WEDNESDAY, 18th. 1914. Stranding of "Bülów" near Portland, owing to fog. 1783. Eruption of Skaptar Jökull, Iceland.	\odot N 23° 4'. M 3h. 32m.	169.
THURSDAY, 19th. St. Protais. 1914. Heavy local rainstorms in Scotland, resulting in a serious railway accident at Carr Bridge (Inverness). 1623. Blaise Pascal, Philosopher, b. [d. 19 Aug. 1662].	\odot N 23° 4'. M 4h. 19m.	*170. Obs.—Send curves and tabulations.
FRIDAY, 20th.	\odot N 23° 4'. M 5h. 7m.	171.
SATURDAY, 21st. Summer Solstice. 1821. Georg von Neumayer, Magnetician and Meteorologist, b. [d. 24 May, 1909].	\odot N 23° 4'. M 5h. 55m. (Last Quarter 5h. 33m.)	*172. Obs.—Close Journal, 25.

Times of Sunrise, Noon and Sunset, G.M.T., June 15th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 15	12 13	21 11	Cahiriveen	4 22	12 41	21 0
Aberdeen ...	3 15	12 9	21 3	Richmond ...	3 45	12 1	20 17
Eskdalemuir	3 33	12 13	20 53	Falmouth ...	4 11	12 20	20 30

Week 26. JUNE 22ND TO JUNE 28TH, 1919. Days 173 to 179.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JUNE 22nd. Coronation Day.	\odot N 23° 4'. M 6h. 46m.	173. Post Weekly Returns. Flag day.
MONDAY, 23rd. 1894. Prince of Wales born.	\odot N 23° 4'. M 7h. 39m.	*174. Post Anemograms. Post Barograms. M.O.—Discussion, 17h. Flag day.
TUESDAY, 24th. St. John. MIDSUMMER DAY. 1035. Frost on Midsummer Day; so vehement that corn and fruit were destroyed.—(LOWE.) 1777. Sir John Ross, Arctic Explorer, b. [d. 30 Aug. 1856].	\odot N 23° 4'. M 8h. 36m.	175.
WEDNESDAY, 25th.	\odot N 23° 4'. M 9h. 36m.	*176.
THURSDAY, 26th. 1824. William Thomson, Lord Kelvin, Natural Philosopher, b. [d. 17 Dec. 1907].	\odot N 23° 4'. M 10h. 38m.	177. Obs.—Send curves and tabulations.
FRIDAY, 27th. 1914. H. Bier, with a passenger, reached a height of 6,170 m. (20,243 feet) in an aeroplane.	\odot N 23° 4'. M 11h. 40m. \bullet New Moon 20h. 53m.	*178.
SATURDAY, 28th. 1917. Exceedingly heavy rain in Somerset. More than 150 mm. were measured in several places, 249 mm. (9·8 in.) at Bruton. This is the largest fall ever recorded in one day in any part of the United Kingdom. (See also Oct. 11.)	\odot N 23° 3'. M 12h. 40m.	179. Obs.—Close Journal, 26.

Times of Sunrise, Noon and Sunset, G.M.T., June 22nd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 15	12 14	21 13	Cahiriveen	4 23	12 43	21 3
Aberdeen ...	3 15	12 10	21 6	Richmond ...	3 45	12 3	20 20
Eskdalemuir	3 33	12 14	20 56	Falmouth ...	4 12	12 22	20 32

Week 29. JULY 13TH TO JULY 19TH, 1919. Days 194 to 200.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JULY 13th.	☉ N 22° 0'. M — ☉ Full Moon 6h. 2m.	*194. Post Weekly Returns.
MONDAY, 14th.	☉ N 21° 8'. M 0h. 40m. S.S. Processus and Martinian. 1857. Heavy rainfall over Monmouthshire, 5 in. (127 mm.) in 24 hrs.	195. Post Anemograms. Post Barograms.
TUESDAY, 15th.	☉ N 21° 7'. M 1h. 29m. St. Swithin. 1881. Beginning of four days' spell of very hot weather over England S.E., 97° 6' F. (309a) at Greenwich, 95° F. (308a) at Camden Square; and with abnormal exposure, 101° F. (311a) at Alton, Hants. 100° F. (311a) at Alderbury, Salisbury.—(S.M.) 1888. Bandai San in eruption.	*196.
WEDNESDAY, 16th.	☉ N 21° 5'. M 2h. 17m.	197.
THURSDAY, 17th.	☉ N 21° 3'. M 3h. 5m. 1666. "Hailstorm in Suffolk. Hailstones 9 in., 8 in., 12 in. At Friston Hall, one weighed 12s. 6d."—(LOWE.)	*198. Obs.—Send curves and tabulations.
FRIDAY, 18th.	☉ N 21° 2'. M 3h. 54m.	199.
SATURDAY, 19th.	☉ N 21° 0'. M 4h. 43m.	*200. Obs.—Close Journal, 29.

Times of Sunrise, Noon and Sunset, G.M.T., July 13th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 33	12 17	21 3	Cahirciveen	4 37	12 46	20 56
Aberdeen ...	3 33	12 14	20 55	Richmond ...	4 0	12 6	20 12
Eskdalemuir	3 50	12 18	20 46	Falmouth ...	4 25	12 26	20 26

Week 30. JULY 20TH TO JULY 26TH, 1919. Days 201 to 207.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JULY 20th.	☉ N 20° 6'. M 5h. 34m. ☉ Last quarter, 11h. 3m. St. Margaret. St. Jacob.	*201. Post Weekly Returns.
MONDAY, 21st.	☉ N 20° 6'. M 6h. 28m.	*202. Post Anemograms. Post Barograms.
TUESDAY, 22nd.	☉ N 20° 4'. M 7h. 25m. St. Mary Magdalene. 1868. 96° 6' F. (309a) at Greenwich. 100° 5' F. (311a) at Tonbridge.	203.
WEDNESDAY, 23rd.	☉ N 20° 2'. M 8h. 24m.	*204.
THURSDAY, 24th.	☉ N 20° 1'. M 9h. 25m. 1817. Sir Richard Strachey, Chairman of the Meteorological Council, b. [d. 12 Feb. 1908].	205. Obs.—Send curves and tabulations.
FRIDAY, 25th.	☉ N. 19° 8'. M 10h. 25m. St. James.	*206.
SATURDAY, 26th.	☉ N 19° 6'. M 11h. 22m.	207. Obs.—Close Journal, 30.

Times of Sunrise, Noon and Sunset, G.M.T., July 20th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 45	12 18	20 51	Cahirciveen	4 46	12 47	20 49
Aberdeen ...	3 44	12 15	20 45	Richmond ...	4 8	12 7	20 6
Eskdalemuir	4 0	12 19	20 37	Falmouth ...	4 33	12 26	20 19

Week 31. JULY 27TH TO AUGUST 2ND, 1919. Days 208 to 214.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JULY 27th. ☉ N 19° 4'. M 12h. 17m. ● New Moon 5h. 21m. 1801. Sir George Biddell Airy, Astronomer, b. [d. 2 Jan. 1892].	*208. Post Weekly Returns.
MONDAY, 28th. ☉ N 19° 2'. M 13h. 8m. 1911. Thunderstorm and "record" wind at South Kensington, 1.1 in. (28 mm.) of rain in 15 mins. Gust, 24.1 m/s (54 mi/hr), at 17h. 16m.	209. Post Anemograms. Post Barograms.
TUESDAY, 29th. ☉ N 18° 9'. M 13h. 56m. 1588. Spanish Armada finally dispersed by a storm.	*210.
WEDNESDAY, 30th. ☉ N 18° 7'. M 14h. 46m.	211.
THURSDAY, 31st. ☉ N 18° 5'. M 15h. 27m. John Milne, Seismologist, d. 1913 [b. 1850]. 1901. Berson's highest manned balloon ascent, Berlin (more than 10,300m.).	*212. M.O.—Geophysical Journal. May Copy day. Calendar Copy Day. Obs.—Send curves and tabu- lations.
FRIDAY, AUGUST 1st. ☉ N 18° 2'. M 16h. 11m. Lammas Day. 1861. Weather forecasts first issued by Admiral FitzRoy in this month. 1910. First report by radiotelegraphy from Gibraltar.	213.
SATURDAY, 2nd. ☉ N 18° 0'. M 16h. 55m. 1829. Great floods commenced in Moray. (See Account by Sir Thomas Dick Lauder.) 1906. Exceptionally destructive hailstorm over the east Midland Counties: value of uninsured crops destroyed estimated at £55,000.— (M.W.R.)*	*214. Obs.—Close Journal, 31.

Times of Sunrise, Noon and Sunset, G.M.T., July 27th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	3 58	12 18	20 38	Cahirceveen	4 56	12 47	20 39
Aberdeen	3 57	12 15	20 32	Richmond	4 18	12 7	19 56
Eskdalemuir	4 12	12 19	20 26	Falmouth	4 43	12 27	20 10

* Weather Report.

Week 32. AUGUST 3RD TO AUGUST 9TH, 1919. Days 215 to 221.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, AUGUST 3rd. ☉ N 17° 7'. M 17h. 40m. ☾ First Quarter 20h. 12m. 1879. Destructive hailstorm at Kew.	215. Post Weekly Returns.
MONDAY, 4th. ☉ N 17° 5'. M 18h. 26m. 1577. "Exceeding great and terrible tempeste" at Bungay, near Norwich.—(LOWE.)	*216. Post Monthly Climato- logical Returns. M.O.—Press closed. Post Anemograms. Post Barograms. Balloon day.
TUESDAY, 5th. ☉ N 17° 2'. M 19h. 13m.	217. Obs.—Send curves and tabu- lations to complete July. Balloon day.
WEDNESDAY, 6th. ☉ N 16° 9'. M 20h. 2m. 1838. George James Symons, founder of the British Rainfall Organization, b. [d. 10 Mar. 1900].	Balloon day. *218.
THURSDAY, 7th. ☉ N 16° 7'. M 20h. 52m. 1811. Elias Loomis, American Meteorologist, b. [d. 14 Aug. 1889].	219. Obs.—Send curves and tabu- lations. Balloon day.
FRIDAY, 8th. ☉ N 16° 4'. M 21h. 43m. 1851. First printed Daily Weather Map issued at the Great Exhibition.—(S.M.)	Balloon day. *220.
SATURDAY, 9th. ☉ N 16° 1'. M 22h. 33m. 1911. Hottest day on record in London, 100° F. (311a) at Greenwich (Glaisher screen); 97° F. (309a) at South Kensington. 1912. Earthquake, Sea of Marmora.	221. Obs.—Close Journal, 32. Balloon day.

Times of Sunrise, Noon and Sunset, G.M.T., August 3rd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	4 13	12 18	20 23	Cahirceveen	5 7	12 47	20 28
Aberdeen	4 10	12 14	20 17	Richmond	4 29	12 7	19 45
Eskdalemuir	4 24	12 19	20 13	Falmouth	4 52	12 26	19 59

Week 33. AUGUST 10TH TO AUGUST 16TH, 1919. Days 222 to 228.

Astronomical and Historical Notes. Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, AUGUST 10th. St. Lawrence. 1675. Greenwich Observatory founded.	\odot N 15° 8'. M 23h. 23m.	Post Weekly Returns. *222.
MONDAY, 11th.	\odot N 15° 5'. M — \odot Full Moon, 17h. 40m.	Post Anemograms. 223. Post Barograms.
TUESDAY, 12th.	\odot N 15° 2'. M 0h. 12m.	*224.
WEDNESDAY, 13th. 1819. Sir G. G. Stokes, Physicist, b. [d. 2 Feb. 1903].	\odot N 14° 9'. M 1h. 1m.	225.
THURSDAY, 14th.	\odot N 14° 6'. M 1h. 50m.	*226. Obs.—Send curves and tabulations.
FRIDAY, 15th. Assumption of the B.V.M.	\odot N 14° 3'. M 2h. 40m.	227. M.O.—Half-yearly issue of cards to Sunshine stations.
SATURDAY, 16th. 1887. Beginning of two days' thunderstorm over the metropolis.—(S.M.)	\odot N 14° 0'. M 3h. 31m.	*228. Obs.—Close Journal, 33.

Times of Sunrise, Noon and Sunset, G.M.T., August 10th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 27	12 17	20 7	Cahirciveen ...	5 17	12 46	20 16
Aberdeen ...	4 25	12 14	20 3	Richmond ...	4 39	12 6	19 33
Eskdalemuir ...	4 37	12 18	19 59	Falmouth ...	5 2	12 26	19 48

Week 34. AUGUST 17TH TO AUGUST 23RD, 1919. Days 229 to 235.

Astronomical and Historical Notes. Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, AUGUST 17th.	\odot N 13° 7'. M 4h. 35m.	Post Weekly Returns. 229.
MONDAY, 18th.	\odot N 13° 4'. M 5h. 21m. \odot Last quarter 15h. 56m.	*230. Post Anemograms. Post Barograms.
TUESDAY, 19th.	\odot N 13° 0'. M 6h. 18m.	231.
WEDNESDAY, 20th.	\odot N 12° 7'. M 7h. 17m.	*232.
THURSDAY, 21st.	\odot N 12° 4'. M 8h. 16m.	233. Obs.—Send curves and tabulations.
FRIDAY, 22nd.	\odot N 12° 1'. M 9h. 13m.	*234.
SATURDAY, 23rd. 1853. First meeting of Maritime Conference at Brussels.	\odot N 11° 7'. M 10h. 7m.	235. Obs.—Close Journal, 34.

Times of Sunrise, Noon and Sunset, G.M.T., August 17th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 43	12 16	19 49	Cahirciveen ...	5 29	12 45	20 2
Aberdeen ...	4 39	12 12	19 45	Richmond ...	4 51	12 5	19 20
Eskdalemuir ...	4 50	12 17	19 44	Falmouth ...	5 12	12 24	19 36

Week 35. AUGUST 24TH TO AUGUST 30TH, 1919. Days 236 to 242.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary. Last week of Summer Quarter.
SUNDAY, AUGUST 24th. ☉ N 11° 4'. M 10h. 59m. St. Bartholomew. 79. Eruption of Vesuvius.	*236. Post Weekly Returns.
MONDAY, 25th. ☉ N 11° 0'. M 11h. 48m. ● New Moon 15h. 37m. 1905. Great rainfall in east Ireland.	237. Post Anemograms. Post Barograms.
TUESDAY, 26th. ☉ N 10° 7'. M 12h. 35m. 1883. Krakatoa eruption. 1912. Flood rainfall in East Anglia. More than 8 in. (203 mm.) rain near Norwich.—(Q.J. Vol. XXXIX.)	*238.
WEDNESDAY, 27th. ☉ N 10° 4'. M 13h. 20m. 1883. Krakatoa eruption.	239.
THURSDAY, 28th. ☉ N 10° 0'. M 14h. 4m. 1859. Magnetic Storm.	*240. Obs.—Send curves and tabu- lations.
FRIDAY, 29th. ☉ N 9° 6'. M 14h. 49m.	241.
SATURDAY, 30th. ☉ N 9° 3'. M 15h. 36m. 55 B.C. Violent gale. Great damage to Julius Caesar's Fleet. (Date calculated by Halley.)— (LOWE.)	*242. M.O. Geophysical Journal, June Copy day. Obs.—Close Journal, 35. Sunshine stations. Equi- noctial Cards (straight) to be used from Sept. 1st and until 12th October.

Times of Sunrise, Noon and Sunset, G.M.T., August 24th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	4 57	12 14	19 31	Cahirciveen	5 41	12 43	19 46
Aberdeen	4 54	12 11	19 28	Richmond	5 1	12 3	19 5
Eskdalemuir	5 3	12 15	19 26	Falmouth	5 23	12 23	19 22

Week 36. AUGUST 31ST TO SEPTEMBER 6TH, 1919. Days 243 to 249.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary. First week of Autumn Quarter.
SUNDAY, AUGUST 31st. ☉ N 8° 9'. M 16h. 19m. 1848. Publication in the "Daily News" of the earliest known telegraphic Daily Weather Report.—(Q.J.)	243. Post Weekly Returns.
MONDAY, SEPTEMBER 1st. ☉ N 8° 6'. M 17h. 6m.	*244. Post Anemograms. Post Barograms.
TUESDAY, 2nd. ☉ N 8° 2'. M 17h. 54m. First quarter, 14h. 22m. 1859. Magnetic Storm.	245.
WEDNESDAY, 3rd. ☉ N 7° 8'. M 18h. 43m. 1860. First Telegraphic Daily Weather Report prepared at the Meteorological Department.	*246.
THURSDAY, 4th. ☉ N 7° 5'. M 19h. 33m.	247. Post Monthly Climato- logical Returns. Obs.—Send curves and Tabu- lations. Balloon day.
FRIDAY, 5th. ☉ N 7° 1'. M 20h. 23m. 1862. Glaisher and Coxwell ascended in a balloon from Wolverhampton to an altitude estimated at 7 miles above the earth.	*248. Obs.—Send curves and tabu- lations to complete August.
SATURDAY, 6th. ☉ N 6° 7'. M 21h. 12m. 1865. Hurricane devastated Guadeloupe. Baro- meter fell 57 mb. in 70 m. (Buchan, Handy Book of Meteorology, p. 266). 1766. John Dalton, Natural Philosopher, b. [d. 27 July, 1844].	249. Obs.—Close Journal, 36.

Times of Sunrise, Noon and Sunset, G.M.T., August 31st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 13	12 12	19 11	Cahirciveen	5 52	12 41	19 31
Aberdeen	5 8	12 9	19 9	Richmond	5 13	12 1	18 49
Eskdalemuir	5 17	12 13	19 9	Falmouth	5 34	12 21	19 8

Week 37. SEPTEMBER 7TH TO SEPTEMBER 13TH, 1919. Days 250 to 256.

Astronomical and Historical Notes. Sun's declination ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, SEPTEMBER 7th. ☉ N 6·4°. M 22h. 2m.	*250. Post Weekly Returns.
MONDAY, 8th. ☉ N 6·0°. M 22h. 52m. 1692. Earthquake in London and Home Counties (Burton's General History of Earthquakes).	251. Post Anemograms. Post Barograms.
TUESDAY, 9th. ☉ N 5·6°. M 23h. 41m.	*252.
WEDNESDAY, 10th. ☉ N 5·2°. M — ☉ Full Moon, 3h. 54m. 1903. Beginning of two days' Circular Storm: wind velocity 28·6 m/s (64 mi/hr). Scilly.	253.
THURSDAY, 11th. ☉ N 4·9°. M 0h. 32m.	*254. Obs.—Send curves and tabu- lations.
FRIDAY, 12th. ☉ N 4·5°. M 1h. 25m.	255.
SATURDAY, 13th. ☉ N 4·1°. M 2h. 19m.	*256. Obs.—Close Journal, 37. M.O.—Quarterly issue of forms.

Times of Sunrise, Noon and Sunset, G.M.T., September 7th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 28	12 10	18 52	Cahirceveen	6 3	12 39	19 15
Aberdeen	5 23	12 7	18 51	Richmond	5 24	11 59	18 34
Eskdalemuir	5 30	12 11	18 52	Falmouth	5 44	12 18	18 52

Week 38. SEPTEMBER 14TH TO SEPTEMBER 20TH, 1919. Days 257 to 263.

Astronomical and Historical Notes. Sun's declination ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, SEPTEMBER 14th. ☉ N 3·7°. M 3h. 15m. 1769. Alexander von Humboldt, Geographer, b. [d. 6 May, 1859]. 1752. "New Style" introduced in England. 14th followed 2nd September.	257. Post Weekly Returns.
MONDAY, 15th. ☉ N 3·3°. M 4h. 13m. 1784. First balloon ascent made in England (Artillery Ground, Moorfields) by Lunardi.	*258. Post Anemograms. Post Barograms.
TUESDAY, 16th. ☉ N 3·0°. M 5h. 12m. ☉ Last quarter, 21h. 32m. 1863. First Daily Weather Map for Europe issued by Leverrier, of the Bureau Central Météorologique, Paris.	259.
WEDNESDAY, 17th. ☉ N 2·6°. M 6h. 11m. 1917. Summer Time ended. Railway and P.O. clocks put back one hour.	*260.
THURSDAY, 18th. ☉ N 2·2°. M 7h. 8m.	261. Obs.—Send curves and tabu- lations.
FRIDAY, 19th. ☉ N 1·8°. M 8h. 2m.	*262.
SATURDAY, 20th. ☉ N 1·4°. M 8h. 54m.	263. Obs.—Close Journal, 38.

Times of Sunrise, Noon and Sunset, G.M.T., September 14th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 44	12 8	18 32	Cahirceveen	6 15	12 37	18 59
Aberdeen	5 37	12 4	18 31	Richmond	5 36	11 57	18 18
Eskdalemuir	5 43	12 9	18 34	Falmouth	5 55	12 16	18 37

Week 39. SEPTEMBER 21ST TO SEPTEMBER 27TH, 1919. Days 264 to 270.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.			Diary.
SUNDAY, SEPTEMBER 21st. ☉ N 1° 0'. M 9h. 43m. St. Matthew.			*264. Post Weekly Returns.
MONDAY, 22nd. ☉ N 0° 6'. M 10h. 29m. 1885. Bar. 27.135 in. (917 mb.), at False Point, Orissa [reduced to sea level and temp. 32° F]. —(Q.J.)			265. Post Anemograms. Post Barograms.
TUESDAY, 23rd. ☉ N 0° 2'. M 11h. 15m. Autumnal equinox, 1762. James Horsburgh b. [d. 14 May, 1836].			*266.
WEDNESDAY, 24th. ☉ S 0° 2'. M 11h. 59m. ● New Moon 4h. 34m.			267.
THURSDAY, 25th. ☉ S 0° 5'. M 12h. 43m. 1909. Magnetic Storm. 1905. Barometer 27.171 in. (918 mb.), on board s.s. "Pathfinder" 12° 10' N., 125° 31' E.— (Q.J. 1909).			*268. Obs.—Send curves and tabu- lations.
FRIDAY, 26th. ☉ S. 0° 9'. M 13h. 28m.			269.
SATURDAY, 27th. ☉ S 1° 3'. M 14h. 14m.			*270. Obs.—Close Journal, 39.

Times of Sunrise, Noon and Sunset, G.M.T., September 21st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 59	12 5	18 11	Cahiriveen	6 27	12 34	18 42
Aberdeen	5 51	12 2	18 12	Richmond	5 47	11 54	18 1
Eskdalemuir	5 56	12 6	18 16	Falmouth	6 5	12 13	18 21

Week 40. SEPTEMBER 28TH TO OCTOBER 4TH, 1918. Days 271 to 277.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.			Diary.
SUNDAY, SEPTEMBER 28th. ☉ S 1° 7'. M 15h. 0m.			271. Post Weekly Returns.
MONDAY, 29th. ☉ S 2° 1'. M 15h. 48m. Michaelmas Day. 1918. Summer Time ended.			*272. Post Anemograms. Post Barograms.
TUESDAY, 30th. ☉ S 2° 5'. M 16h. 36m. 1867. First Thermograph record from Kew. Indian Summer, North America, begins. 1916. Summer Time ended. P.O. and Railway clocks put back one hour.			273. M.O.—Geophysical Journal, July Copy day.
WEDNESDAY, OCTOBER 1st. ☉ S 2° 9'. M 17h. 24m. First quarter 20h. 37m. 1904. Ben Nevis Observatory closed. 1866. Bahamas. Barometer fell 24 mb. in an hour. —(BUCHAN.)			*274.
THURSDAY, 2nd. ☉ S 3° 3'. M 18h. 13m.			275. Obs.—Send curves and tabu- lations.
FRIDAY, 3rd. ☉ S 3° 7'. M 19h. 2m.			*276.
SATURDAY, 4th. ☉ S 4° 0'. M 19h. 51m. 1696. At Bungay, Suffolk, rain began towards night and continued without intermission (except a few hours on the 6th) till the 10th at noon.—(LOWE.)			277. Obs.—Close Journal, 40. Climatological stations. Schedule day.

Times of Sunrise, Noon and Sunset, G.M.T., September 28th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	6 14	12 3	17 52	Cahiriveen	6 37	12 32	18 26
Aberdeen	6 5	11 59	17 53	Richmond	5 57	11 52	17 46
Eskdalemuir	6 10	12 4	17 57	Falmouth	6 16	12 11	18 6

Week 41. OCTOBER 5TH TO OCTOBER 11TH, 1919. Days 278 to 284.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, OCTOBER 5th. ☉ S 4·4°. M 20h. 39m. 1091. S.W. gale over most of England. In London 500 houses were destroyed.—(LOWE.)		Post Weekly Returns. *278.
MONDAY, 6th. ☉ S 4·8°. M 21h. 28m. 1803. Heinrich Wilhelm Dove b. [d. 4 Apr. 1879]. 1863. Hereford earthquake.—(Q.J.)		Post Anemograms. 279. Post Barograms. Obs.—Send curves and tabu- lations to complete Sep- tember.
TUESDAY, 7th. ☉ S 5·2°. M 22h. 19m.		*280.
WEDNESDAY, 8th. ☉ S 5·6°. M 23h. 11m.		Balloon day. 281.
THURSDAY, 9th. ☉ S 6·0°. M — ☉ Full Moon 13h. 39m.		Obs.—Send curves and tabu- lations. *282. Balloon day.
FRIDAY, 10th. ☉ S 6·3°. M 0h. 6m. 1731. Henry Cavendish, Natural Philosopher, b. [d. 10th March, 1810]. 1817. Buys Ballot, Dutch Meteorologist, b. [d. 3rd Feb., 1890].		Balloon day. 283.
SATURDAY, 11th. ☉ S 6·7°. M 1h. 3m. 1916. Exceedingly heavy rain in W. Highlands, 208 mm. (8·20 in.), at Kinlochquoich, Inverness- shire; up to that date the largest daily fall recorded in any part of the United Kingdom. (See also June 28).		Obs.—Close Journal. *284. Sunshine stations. 41. Winter cards to be used from 13th Oct. and until 28th Feb., 1919.

Times of Sunrise, Noon and Sunset, G.M.T., October 5th.

	h. m.				h. m.		
Wick	6	29	12	0	17	31	
Aberdeen	6	20	11	57	17	33	
Eskdalemuir	6	23	12	1	17	39	
Cahirceveen	6	49	12	30	18	10	
Richmond	6	10	11	50	17	30	
Falmouth	6	27	12	9	17	51	

Week 42. OCTOBER 12TH TO OCTOBER 18TH, 1919. Days 285 to 291.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, OCTOBER 12th. ☉ S 7·1°. M 2h. 2m.		Post Weekly Returns. 285.
MONDAY, 13th. ☉ S 7·5°. M 3h. 3m. 1881. Two days' gale over British Isles began.		Post Anemograms. *286. Post Barograms.
TUESDAY, 14th. ☉ S 7·9°. M 4h. 4m. 1788. Sir Edward Sabine, Meteorologist and Magnetician, b. [d. 26th June, 1883]. 1881. Gale ended. Greatest hourly wind velocity 23·3 m/s (52 mi/hr), Holyhead.		287.
WEDNESDAY, 15th. ☉ S 8·2°. M 5h. 3m. 1582. New Style introduced in Rome, Spain, Portugal, and part of Italy by Pope Gregory XIII. when the 15th October followed the 5th.		*288.
THURSDAY, 16th. ☉ S 8·6°. M 5h. 59m. ☉ Last quarter, 5h. 5m. 1906. Daily telegraphic reports first received at the Office from Iceland and the Farøe Is.		Obs.—Send curves and tabu- lations. 289.
FRIDAY, 17th. ☉ S 9·0°. M 6h. 51m. 1883. Ben Nevis Observatory opened.		*290.
SATURDAY, 18th. ☉ S 9·3°. M 7h. 40m.		Obs.—Close Journal. 291. 42.

Times of Sunrise, Noon and Sunset, G.M.T., October 12th.

	h. m.				h. m.		
Wick	6	44	11	58	17	12	
Aberdeen	6	35	11	55	17	14	
Eskdalemuir	6	37	11	59	17	21	
Cahirceveen	7	2	11	28	17	53	
Richmond	6	22	11	48	17	14	
Falmouth	6	38	12	7	17	36	

Week 43. OCTOBER 19TH TO OCTOBER 25TH, 1919. Days 292 to 298.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M. Last week of Wheat-growing period Western Australia. (Meteorological Map, Western Australia 1908.)			Diary.
SUNDAY, OCTOBER 19th.	☉ S 9° 7'. M 8h. 27m.		Post Weekly Returns. *292.
MONDAY, 20th.	☉ S 10° 1'. M 9h. 12m.		Post Anemograms. 293. Post Barograms. M.O.—Discussion, 17h.
TUESDAY, 21st.	☉ S 10° 4'. M 9h. 56m.		*294.
WEDNESDAY, 22nd.	☉ S 10° 8'. M 10h. 40m.		295. 1819. Henry Toynbee, Marine Superintendent, M.O., b. [d. 29th March, 1909].
THURSDAY, 23rd.	☉ S 11° 1'. M 11h. 24m. ● New Moon, 20h. 40m.		Obs.—Send curves and tabulations. *296.
FRIDAY, 24th.	☉ S 11° 5'. M 12h. 10m.		297. 1902. Santa Maria eruption.
SATURDAY, 25th.	☉ S 11° 8'. M 12h. 56m.		Obs.—Close Journal, 43. *298. 1665. Great gale in London [see 26th]. 1859. 25th–26th, "Royal Charter" storm, Irish Sea.

Times of Sunrise, Noon and Sunset, G.M.T., October 19th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 1	11 57	16 52	Cahirciveen	7 13	12 26	17 33
Aberdeen	6 51	11 54	16 56	Richmond	6 32	11 46	17 0
Eskdalemuir	6 51	11 58	17 4	Falmouth	6 49	12 5	17 21

Week 44. OCTOBER 26TH TO NOVEMBER 1ST, 1919. Days 299 to 305.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.			Diary.
SUNDAY, OCTOBER 26th.	☉ S 12° 2'. M 13h. 43m.		Post Weekly Returns. 299. 1665. "In the evening [bar. in London] very near at 27½ ins., wind quiet."— <i>Phil. Trans.</i> In the morning it had been 28 ins. and on the day before 28½ ins. in the morning, with much rain and a great storm. "At Bristol [bar.] in the evening remarkably low, only 27½ ins.; 25th, a.m., 28½, 26th, a.m., 28 ins. (sea level)."—DR. BEAL. (LOWE.)
MONDAY, 27th.	☉ S 12° 5'. M 14h. 31m.		Post Anemograms. *300. Post Barograms. 1913. Tornadoes in South Wales and Shropshire. —(G.M.)*
TUESDAY, 28th.	☉ S 12° 9'. M 15h. 19m.		301.
WEDNESDAY, 29th.	☉ S 13° 2'. M 16h. 7m.		*302. 1656. Edmund Halley, Magnetician, Astronomer and Meteorologist, b. [d. 14th Jan. 1724]. 1898. Tornado at Camberwell.—(Q.J.)
THURSDAY, 30th.	☉ S 13° 5'. M 16h. 55m.		303. Obs.—Send curves and tabulations. 1868. Hereford earthquake.—(S.M.)
FRIDAY, 31st.	☉ S 13° 9'. M 17h. 42m.		*304. M.O.—Geophysical Journal, August Copy day.
SATURDAY, NOVEMBER 1st.	☉ S 14° 2'. M 18h. 29m. D First quarter, 1h. 43m.		305. Obs.—Close Journal, 44. 1828. Balfour Stewart, Magnetician and Solar Physicist, Superintendent of Kew Observatory, b. [d. 19 Dec. 1887]. 1076. Frost lasted from 1st November, to 15th April, 1077.—(ANDREWS.) 1755. Great Earthquake of Lisbon.

Times of Sunrise, Noon and Sunset, G.M.T., October 26th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 18	11 56	16 34	Cahirciveen	7 26	11 25	17 24
Aberdeen	7 6	11 52	16 38	Richmond	6 45	11 45	16 45
Eskdalemuir	7 6	11 57	16 48	Falmouth	7 0	12 4	17 7

* Geophysical Memoirs

Week 45. NOVEMBER 2ND TO NOVEMBER 8TH, 1919. Days 306 to 312.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, NOVEMBER 2nd.	\odot S 14.5°. M 19h. 17m.	*306. Post Weekly Returns.
1826. Henry John Stephen Smith, Mathematician, Chairman of Meteorological Council, b. [d. 9 Feb. 1883].		
MONDAY, 3rd.	\odot S 14.8°. M 20h. 5m.	307 Post Anemograms. Post Barograms. M.O.—Discussion, 17h.
TUESDAY, 4th.	\odot S 15.1°. M 20h. 55m.	*308. Post Monthly Climatological Returns.
WEDNESDAY, 5th.	\odot S 15.4°. M 21h. 48m.	309. Obs.—Send curves and tabulations to complete October.
1855. Léon Philippe Teisserenc de Bort, Magnetician and Meteorologist, b. [d. 2 Jan. 1913]. Strongest gust of 1911, 40.2 m/s (90 mi/hr), Eskdalemuir.		
THURSDAY, 6th.	\odot S 15.8°. M 22h. 44m.	*310. Obs.—Send Curves and tabulations. Balloon day.
1091. Flood. London Bridge swept away by the force of the waters.—(LOWE.)		
FRIDAY, 7th.	\odot S 16.1°. M 23h. 43m. \odot Full Moon, 23h. 35m.	311.
1862. First Barograph record from Kew Observatory.		
SATURDAY, 8th.	\odot S 16.4°. M —	*312. Obs.—Close Journal, 46.

Times of Sunrise, Noon and Sunset, G.M.T., November 2nd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 35	11 55	16 20	Cahirceveen	7 39	12 25	17 11
Aberdeen	7 22	11 52	16 22	Richmond	6 58	11 45	16 32
Eskdalemuir	7 20	11 56	16 32	Falmouth	7 13	12 4	16 55

Week 46. NOVEMBER 9TH TO NOVEMBER 15TH, 1919. Days 313 to 319.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, NOVEMBER 9th.	\odot S 16.6°. M 0h. 45m.	313. Post Weekly Returns.
MONDAY, 10th.	\odot S 16.9°. M 1h. 48m.	*314. Post Anemograms. Post Barograms.
TUESDAY, 11th.	\odot S 17.2°. M 2h. 51m.	315.
Martinmas. 1901. Beginning of three days' slow travelling depression with heavy rainfall. (L.H.)†		
WEDNESDAY, 12th.	\odot S 17.5°. M 3h. 50m.	*316.
1897. 8.03 in. (204 mm.) rain at Seathwaite.		
THURSDAY, 13th.	\odot S 17.8°. M 4h. 45m.	317. Obs.—Send curves and tabulations.
1901. End of slow travelling depression. Total average rainfall, 4 in. (102 mm.).		
FRIDAY, 14th.	\odot S 18.0°. M 5h. 37m. (Last quarter, 15h. 41m.)	*318.
1854. Balaklava storm. 1896. First International balloon ascents for Meteorological investigation.		
SATURDAY, 15th.	\odot S 18.3°. M 6h. 25m.	319. Obs.—Close Journal, 46.

Times of Sunrise, Noon and Sunset, G.M.T., November 9th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 54	11 59	16 4	Cahirceveen	7 51	12 25	16 59
Aberdeen	7 38	11 52	16 6	Richmond	7 11	11 45	16 20
Eskdalemuir	7 35	11 57	16 19	Falmouth	7 24	12 4	16 44

† Life History of Surface Air Currents, M.O. Publication 174.

Week 47. NOVEMBER 16TH TO NOVEMBER 22ND, 1919. Days 320 to 326.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, NOVEMBER 16th.	\odot S 18° 6'. M 7h. 11m.	Post Weekly Returns. *320.
1893. Beginning of five days' great storm over the British Isles: wind velocity, 21 m/s. (47 mi/hr), Holyhead. 1878. Greatest flood in Norwich since 1646 [in which year it occurred on Nov. 15].—Woodward, Geol. Survey Memoir.		
MONDAY, 17th.	\odot S 18° 8'. M 7h. 55m.	Post Anemograms. 321. Post Barograms. M.O.—Discussion, 17h.
1840. Fourth Earl of Rosse, Astronomer, b. [d. 30 Aug. 1908].		
TUESDAY, 18th.	\odot S 19° 0'. M 8h. 39m.	*322.
WEDNESDAY, 19th.	\odot S 19° 3'. M 9h. 23m.	323.
THURSDAY, 20th.	\odot S 19° 5'. M 10h. 7m.	Obs.—Send curves and tabulations. *324.
FRIDAY, 21st.	\odot S 19° 8'. M 10h. 53m.	325.
SATURDAY, 22nd.	\odot S 20° 0'. M 11h. 39m. ● New Moon, 5h. 20m.	Obs.—Close Journal, 47. *326.
1879. Frost from November 22nd to February 2nd, 1880.—(ANDREWS.)		

Times of Sunrise, Noon and Sunset, G.M.T., November 16th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	8 10	11 58	15 46	Cahirciveen	8 4	12 26	16 48
Aberdeen ...	7 54	11 53	15 52	Richmond...	7 22	11 46	16 10
Eskdalemuir	7 49	11 58	16 6	Falmouth ...	7 36	12 5	16 34

Week 48. NOVEMBER 23RD TO NOVEMBER 29TH, 1919. Days 327 to 333.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		Last week of Autumn Quarter.
SUNDAY, NOVEMBER 23rd.	\odot S 20° 2'. M 12h. 27m.	Post Weekly Returns. 327.
MONDAY, 24th.	\odot S 20° 4'. M 13h. 15m.	Post Anemograms. *328. Post Barograms.
1433. River frozen below London Bridge to Gravesend, from November 24th to February 10th, 1434.—(LOWE.) 1715. Fair on the river Thames. Frost lasted till February 9th, 1716.—(LOWE.)		
TUESDAY, 25th.	\odot S 20° 6'. M 14h. 4m.	329.
1890. Frost commenced and continued almost uninterrupted until Jan. 22nd, 1891.—(Q.J., 1901.)		
WEDNESDAY, 26th.	\odot S 20° 8'. M 14h. 51m.	Flag day. *330.
1703. Defoe's Great Storm, South of England.—(Phil. Trans.) Birthday of the Queen of Norway.		
THURSDAY, 27th.	\odot S 21° 0'. M 15h. 38m.	Obs.—Send curves and tabulations. 331.
1701. Anders Celsius, Swedish Physicist, b. [d. 25 April, 1744].		
FRIDAY, 28th.	\odot S 21° 2'. M 16h. 25m.	*332.
1772. Luke Howard, Schoolmaster and Meteorologist, b. [d. 21 March, 1864].		
SATURDAY, 29th.	\odot S 21° 4'. M 17h. 11m.	Obs.—Close Journal, 48. 333.

Times of Sunrise, Noon and Sunset, G.M.T., November 23rd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	8 24	11 57	15 30	Cahirciveen	8 15	12 27	16 39
Aberdeen ...	8 9	11 55	15 41	Richmond...	7 33	11 47	16 1
Eskdalemuir	8 2	11 59	15 56	Falmouth ...	7 47	12 7	16 26

Week 49. NOVEMBER 30TH TO DECEMBER 6TH, 1919. Days 334 to 340.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	First week of Winter Quarter.
SUNDAY, NOVEMBER 30th. ADVENT SUNDAY. St. Andrew. 1269. Frost lasted from November 30th to February 2nd, 1270.—(ANDREWS.)	\odot S 21° 5'. M 17h. 57m. D First quarter, 16h. 47m. *334. Post Weekly Returns.
MONDAY, DECEMBER 1st. Birthday of Queen Alexandra. 1662. River Thames partially frozen over. "In this frost skates were introduced into England from Holland."—(LOWE.)	\odot S 21° 7'. M 18h. 44m. 335. Post Anemograms. Post Barograms. Issue to Fishery Barometer Stations of Forms 335 and 073. M.O.—Geophysical Journal, September Copy day. Discussion 17h. Flag day.
TUESDAY, 2nd. \odot S 21° 8'. M 19h. 34m.	*336.
WEDNESDAY, 3rd. \odot S 22° 0'. M 20h. 26m. 1909. "Ellan Vannin" storm, Irish Sea. 1838. Cleveland Abbe, American Meteorologist, b. [d. 28 October, 1916].	337.
THURSDAY, 4th. \odot S 22° 1'. M 21h. 22m. 1879. -18° F. (245a) at Killoe House, and -23° F. (2424a), (2 ft. from ground) at Blackadder, both in Berwickshire.—(Q.J., Vol. VI.) 1913. Temperature at 16 k. over Batavia 182a.	*338. Post Monthly Climatological Returns. Obs.—Send curves and tabulations. Balloon day.
FRIDAY, 5th. \odot S 22° 3'. M 22h. 22m.	339. Obs.—Send curves and tabulations to complete November.
SATURDAY, 6th. \odot S 22° 4'. M 23h. 25m. 1353. Frost lasted from December 6th, to March 12th, 1354.—(ANDREWS.) 1913. Eruption of Mt. Benbow, New Hebrides.	*340. Obs.—Close Journal, 49.

Times of Sunrise, Noon and Sunset, G.M.T., November 30th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	8 42	12 2	15 22	Cahirciveen	8 27	12 30	16 33
Aberdeen ...	8 22	11 57	15 32	Richmond ...	7 45	11 50	15 55
Eskdalemuir	8 15	12 1	15 47	Falmouth ...	7 58	12 9	16 20

Week 50. DECEMBER 7TH TO DECEMBER 13TH, 1919. Days 341 to 347.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	
SUNDAY, DECEMBER 7th. \odot S 22° 5'. M — Full Moon, 10h. 4m. 1866. Suspension of the issue of "Cautionary Storm Warnings" by the Meteorological Department of the Board of Trade. 1912. Highest sounding with registering balloon, Pavia, 37,700 metres (23½ miles).—(La Nature, No. 2,068, 11 Jan., 1913.)	341. Post Weekly Returns.
MONDAY, 8th. \odot S 22° 6'. M 0h. 29m.	342. Post Anemograms. Post Barograms.
TUESDAY, 9th. \odot S 22° 7'. M 1h. 32m. 1678-9. Frost until Feb. 9 with one remission.—(WALFORD.)	343.
WEDNESDAY, 10th. \odot S 22° 8'. M 2h. 32m. 1149. Frost lasted from December 10th to February 19th, 1150.—(ANDREWS.) 1881. Loss of balloon "Saladin" with Mr. Walter Powell, M.P.—(Annual Report, 1881-82.)	344.
THURSDAY, 11th. \odot S 22° 9'. M 3h. 27m.	345. Obs.—Send curves and tabulations.
FRIDAY, 12th. \odot S 23° 0'. M 4h. 19m.	346.
SATURDAY, 13th. \odot S 23° 1'. M 5h. 7m. 1805. Johann von Lamont, Meteorologist, b. [d. 6 Aug. 1879].	347. Obs.—Close Journal, 50.

Times of Sunrise, Noon and Sunset, G.M.T., December 7th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	8 54	12 4	15 14	Cahirciveen	8 37	12 33	16 29
Aberdeen ...	8 34	12 0	15 25	Richmond ...	7 54	11 53	15 52
Eskdalemuir	8 26	12 4	15 42	Falmouth ...	8 7	12 12	16 16

Week 51. DECEMBER 14TH TO DECEMBER 20TH, 1919. Days 348 to 354.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, DECEMBER 14th.	\odot S 23° 2'. M 5h. 53m. (Last quarter, 6h. 2m.) Birthday of Prince Albert.	Post Weekly Returns. *348. Flag day.
MONDAY, 15th.	\odot S 23° 2'. M 6h. 37m. 1570. Snow the like of which was not known in memory of man.—(Geol. Mem.) 1888. Mayou eruption, Philippine Islands.	Post Anemograms. 349. Post Barograms. M.O.—Discussion, 17h.
TUESDAY, 16th.	\odot S 23° 3'. M 7h. 21m. 1877. "Barometer 31.72 in. at Semipalatinsk" (1046 mb. station level reduced to 1081 mb. sea level). 1911. R. Amundsen, Swedish Explorer, at the South Pole.	*350.
WEDNESDAY, 17th.	\odot S 23° 3'. M 8h. 5m. 1896. Hereford earthquake.—(DAVISON.) 1774. Sir Francis Beaufort b. [d. 1857].	351.
THURSDAY, 18th.	\odot S 23° 4'. M 8h. 50m.	*352. Obs.—Send curves and tabulations.
FRIDAY, 19th.	\odot S 23° 4'. M 9h. 36m.	353.
SATURDAY, 20th.	\odot S 23° 4'. M 10h. 24m. Birthday of Prince George. 1896. "Barometer 31.717 in. at Irkutsk" (1003.5 mb. at station level reduced to 1072 mb. sea level). 1860. Severe frost from December 20th to January 5th, 1861.—(ANDREWS.)	*354. Obs.—Close Journal, 51. Flag day.

Times of Sunrise, Noon and Sunset, G.M.T., December 14th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	9 4	12 7	15 10	Cahiriveen	8 44	12 36	16 27
Aberdeen	8 44	12 8	15 22	Richmond	8 1	11 56	15 50
Eskaudemuir	8 35	12 7	15 39	Falmouth	8 14	12 15	16 15

Week 52. DECEMBER 21ST TO DECEMBER 27TH, 1919. Days 355 to 361.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, DECEMBER 21st.	\odot S 23° 4'. M 11h. 12m. St. Thomas. St. Lucia.	Post Weekly Returns 355.
MONDAY, 22nd.	\odot S 23° 4'. M 12h. 0m. Winter Solstice. 987-988. Frost began in London and lasted 120 days.—(LOWE.)	*356. Post Anemograms. Post Barograms.
TUESDAY, 23rd.	\odot S 23° 4'. M 12h. 49m.	357.
WEDNESDAY, 24th.	\odot S 23° 4'. M 13h. 36m. 1736. Very high tide in London; the River Thames flowed into Westminster Hall.—(Baker's "Record of the Seasons.") 1818. James Prescott Joule, Physicist, b. [d. Oct. 11, 1889].	*358.
THURSDAY, 25th.	\odot S 23° 4'. M 14h. 23m. CHRISTMAS DAY. 1434. Thames frozen below London Bridge to Gravesend, from December 25th to February 11th, 1435.—(ANDREWS.) 1860. Carstairs. Exposed therm. fell to -20° F.—(BUCHAN.) Buxton. "Temp. 4 ft. above ground was 8° below zero, and on the grass 13.8° below zero, or 45.8° of frost."—Mr. G. T. Lowe in "The Times."	359. Obs.—Send curves and tabulations.
FRIDAY, 26th.	\odot S 23° 4'. M 15h. 9m. St. Stephen.	*360.
SATURDAY, 27th.	\odot S 23° 4'. M 15h. 55m. St. John. 1813. "Great fog commenced in London, and the greatest frost of the century set in."—(ANDREWS.) 1852. Barometer 27.98 in. (949 mb.), at Culloden.	361. Obs.—Close Journal, 52.

Times of Sunrise, Noon and Sunset, G.M.T., December 21st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	9 10	12 11	15 12	Cahiriveen	8 49	12 39	16 29
Aberdeen	8 49	12 6	15 23	Richmond	8 6	11 59	15 52
Eskaudemuir	8 41	12 11	15 41	Falmouth	8 19	12 39	16 29

Week 53. DECEMBER 28TH, 1919, TO JANUARY 3RD, 1920. Days 362 to 3.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, DECEMBER 28th, 1919.	$\left\{ \begin{array}{l} \odot \text{ S } 23^{\circ} 3'. \\ \text{M } 16\text{h. } 41\text{m.} \end{array} \right.$	Post Weekly Returns. *362.
Innocents Day. 1879. Tay Bridge Storm. 1903. Messina Earthquake. 1913. G. Legagneur reached 6,120m. (20,079 ft.) in aeroplane.		
MONDAY, 29th.	$\odot \text{ S } 23^{\circ} 3'. \text{ M } 17\text{h. } 28\text{m.}$	Post Anemograms. 363. Post Barograms.
TUESDAY, 30th.	$\left\{ \begin{array}{l} \odot \text{ S } 23^{\circ} 2'. \\ \text{M } 18\text{h. } 17\text{m.} \end{array} \right.$ D First quarter, 5h. 25m.	*364.
WEDNESDAY, 31st.	$\odot \text{ S } 23^{\circ} 2'. \text{ M } 19\text{h. } 9\text{m.}$	365. M.O.—Geophysical Journal. October Copy day. Obs.—Close Journal, 53.
THURSDAY, JANUARY 1st, 1920.		1. Obs.—Send curves and tabulations.
FRIDAY, 2nd.		2.
SATURDAY, 3rd.		3 Obs.—Close Journal, 1.

Times of Sunrise, Noon and Sunset, G.M.T., Dec. 28th.								
	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.	
Wick	9 12	12 14	15 16	Cahirciveen	8 51	12 43	16 35	
Aberdeen	8 52	12 10	15 28	Richmond	8 9	12 3	15 57	
Eskdalemuir	8 43	12 14	15 45	Falmouth	8 22	12 22	16 22	

DATES OF BEGINNING OF THE YEAR AND SEASONS OF THE WEEKLY WEATHER REPORTS, VOLS. XXXIX TO LXIII.

Year.	Year of Weekly Report and date of beginning.	No. of weeks in year.	Spring begins.	Summer begins.	Autumn begins.	Winter begins.
1916	XXXIX. Jan. 2nd ...	52	Feb. 26th*	June 4th	Sept. 3rd	Dec. 3rd
1917	XL. Dec. 31st ...	52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
1918	XLI. Dec. 30th ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
1919	XLII. Dec. 29th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
1920	XLIII. Jan. 4th ...	52	Feb. 29th	May 30th	Aug. 29th	Nov. 28th
1921	XLIV. Jan. 2nd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1922	XLV. Jan. 1st ...	52	Feb. 26th	May 28th*	Sept. 3rd	Dec. 3rd
1923	XLVI. Dec. 31st ...	52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
1924	XLVII. Dec. 30th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
1925	XLVIII. Jan. 4th ...	52	Mar. 1st	May 31st	Aug. 30th	Nov. 29th
1926	XLIX. Jan. 3rd ...	52	Feb. 28th	May 30th	Aug. 29th	Nov. 28th
1927	L. Jan. 2nd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1928	LI. Jan. 1st ...	52	Feb. 26th	May 28th	Aug. 27th*	Dec. 3rd
1929	LII. Dec. 30th ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
1930	LIII. Dec. 29th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
1931	LIV. Jan. 4th ...	52	Mar. 1st	May 31st	Aug. 30th	Nov. 29th
1932	LV. Jan. 3rd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1933	LVI. Jan. 1st ...	52	Feb. 26th	May 28th	Aug. 27th	Nov. 26th*
1934	LVII. Dec. 31st ...	52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
1935	LVIII. Dec. 30th ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
1936	LIX. Dec. 29th ...	53	Mar. 1st	May 31st	Aug. 30th	Nov. 29th
1937	LX. Jan. 3rd ...	52	Feb. 28th	May 30th	Aug. 29th	Nov. 28th
1938	LXI. Jan. 2nd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1939	LXII. Jan. 1st ...	52	Feb. 26th*	June 4th	Sept. 3rd	Dec. 3rd
1940	LXIII. Dec. 31st ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st

TABLE OF SUN-SPOT NUMBERS. 1749-1917.

	0	1	2	3	4	5	6	7	8	9
1740 ...										81
1750 ...	83	48	48	31	12	10	10	32	48	54
1760 ...	63	86	61	45	36	21	11	38	70	106
1770 ...	101	82	66	35	31	7	20	92	154	126
1780 ...	85	68	38	23	10	24	83	132	131	118
1790 ...	90	67	60	47	41	21	16	6	4	7
1800 ...	14	34	45	43	48	42	28	10	8	2
1810 ...	0	1	5	12	14	35	46	41	30	24
1820 ...	16	7	4	2	8	17	39	50	62	67
1830 ...	71	48	28	8	13	57	122	138	103	86
1840 ...	63	37	24	11	15	40	62	98	124	96
1850 ...	66	65	54	39	21	7	4	23	55	94
1860 ...	96	77	59	44	47	30	16	7	37	74
1870 ...	139	111	102	66	45	17	11	12	3	6
1880 ...	32	54	60	64	64	52	25	13	7	6
1890 ...	7	36	73	85	78	64	42	26	27	12
1900 ...	10	3	5	24	42	64	54	62	49	44
1910 ...	19	6	4	1	10	46	55	99		

Mean Temperature, Daily Sunshine, and Rainfall
derived from weekly

Mean Temperature, Daily Sunshine, and Rainfall derived from weekly											
Dist.	Temperature.			Sun- shine.	Rainfall.			Temperature.	Sun- shine.	Rainfall.	
	°F.	a.	hrs.	in.	mm.	°F.	a.	hrs.	in.	mm.	
JANUARY.											
N.											
E.	0	38.4	277	0.84	5.79	147	38.3	277	1.89	4.57	116
	1	37.2	276	1.37	2.57	65	37.4	276	2.50	2.24	57
	2	38.2	276	1.39	1.77	45	38.8	277	2.53	1.50	38
	3	37.9	276	1.70	1.81	46	38.8	277	2.66	1.54	39
	4	37.9	276	1.42	2.13	54	38.8	277	2.34	1.85	47
W.	5	39.4	277	1.68	2.20	56	40.1	278	2.64	2.05	52
	6	39.4	277	1.17	4.57	116	39.3	277	2.10	3.94	100
	7	39.4	277	1.32	3.03	77	39.8	277	2.34	2.52	64
	8	41.0	278	1.67	3.58	91	41.1	278	2.63	3.03	77
	9	40.6	278	1.39	3.43	87	40.8	278	2.23	2.91	74
S.	10	42.1	279	1.66	3.86	98	42.3	279	2.53	3.35	85
	11	44.3	280	2.08	2.99	76	44.1	280	3.17	2.64	67
MARCH.											
N.											
E.	0	39.2	277	3.05	4.41	112	42.9	279	4.55	3.23	82
	1	39.2	277	3.51	2.48	63	43.2	279	4.94	1.85	47
	2	40.7	278	3.87	1.85	47	44.4	280	5.22	1.54	39
	3	41.1	278	3.87	1.69	43	45.6	281	5.55	1.50	38
	4	41.0	278	3.47	1.89	48	45.5	281	5.02	1.73	44
W.	5	42.1	279	3.94	2.05	52	46.7	281	5.65	1.69	43
	6	40.7	278	3.51	3.58	91	44.7	280	5.15	2.76	70
	7	41.3	278	3.56	2.56	65	45.4	280	5.21	2.05	52
	8	42.6	279	3.96	2.99	76	46.5	281	5.53	2.36	60
	9	42.0	279	3.35	2.95	75	45.5	281	4.89	2.40	61
S.	10	43.4	279	3.84	3.15	80	46.9	281	5.38	2.60	66
	11	45.3	280	4.70	2.52	64	48.7	282	6.39	1.93	49
MAY.											
N.											
E.	0	48.1	282	5.36	2.80	71	52.4	284	5.17	2.72	69
	1	48.2	282	5.76	2.24	57	53.7	285	6.03	2.13	54
	2	49.4	283	6.10	1.93	49	55.2	286	6.20	2.01	51
	3	51.3	284	6.65	1.81	46	57.1	287	6.86	2.01	51
	4	51.0	284	5.87	2.09	53	56.8	287	6.20	2.20	56
W.	5	52.2	284	6.90	1.77	45	57.7	287	7.20	1.89	48
	6	49.7	283	6.16	2.91	74	55.0	286	6.32	2.87	73
	7	50.5	283	6.27	2.28	58	56.0	286	6.51	2.40	61
	8	51.6	284	6.58	2.24	57	56.7	287	6.79	2.36	60
	9	50.1	283	5.88	2.48	63	55.0	286	5.54	2.72	69
S.	10	51.6	284	6.47	2.56	65	56.6	287	5.99	2.64	67
	11	53.0	285	7.78	1.89	48	57.7	287	7.92	1.77	45
JUNE.											

for twelve districts for the calendar months
normals for districts, 1881-1915.

Dist.	Temperature.			Sun-shine.		Rainfall.		Temperature.			Sun-shine.		Rainfall.		
	°F.	a.	hrs.	in.	mm.	°F.	a.	hrs.	in.	mm.	°F.	a.	hrs.	in.	mm.
JULY.															
N.	AUGUST.														
E.	0	54.7	286	4.18	3.35	85	54.6	286	3.69	4.18	106				
	1	56.4	287	5.09	2.87	73	55.8	286	4.70	3.15	80				
	2	58.6	288	5.87	2.52	64	58.2	288	5.27	2.60	66				
	3	60.5	289	6.58	2.32	59	60.1	289	6.05	2.20	56				
	4	59.8	288	5.86	2.44	62	59.0	288	5.43	2.56	65				
W.	5	61.1	289	6.96	2.17	55	60.9	289	6.48	2.32	59				
	6	57.1	287	5.73	3.46	88	56.6	287	4.99	4.41	112				
	7	58.7	288	5.90	3.03	77	58.3	288	5.19	3.62	92				
	8	59.7	288	6.39	2.95	75	59.4	288	6.04	3.31	84				
	9	57.2	287	4.67	3.15	80	57.0	287	4.29	3.86	98				
S.	10	58.9	288	5.22	3.11	79	58.5	288	4.97	3.86	98				
	11	61.0	289	7.70	2.24	57	61.6	289	7.55	2.56	65				
SEPTEMBER.															
N.	OCTOBER.														
E.	0	51.8	284	3.49	3.78	96	46.4	281	2.50	5.00	127				
	1	52.3	284	4.06	2.24	57	46.5	281	2.80	3.27	83				
	2	54.5	286	4.61	1.73	44	48.6	282	3.03	2.95	75				
	3	56.2	286	5.15	1.89	48	49.6	283	3.33	2.64	67				
	4	55.1	286	4.51	1.93	49	48.3	282	2.88	2.91	74				
W.	5	57.3	287	5.43	2.13	54	50.8	283	3.44	3.46	88				
	6	53.5	285	4.24	3.66	93	47.9	282	2.68	4.69	119				
	7	55.1	286	4.46	2.76	70	49.2	283	2.85	3.82	97				
	8	56.3	287	4.96	2.80	71	50.6	283	3.27	4.57	116				
	9	54.1	285	3.85	2.95	75	48.6	282	2.87	3.70	94				
S.	10	55.5	286	4.45	2.80	71	49.8	283	3.27	3.94	100				
	11	59.3	288	6.11	2.40	61	54.0	285	3.97	4.14	105				
NOVEMBER.															
N.	DECEMBER.														
E.	0	41.8	278	1.22	5.63	143	39.1	277	0.61	6.18	157				
	1	41.1	278	1.73	3.11	79	37.9	276	1.04	3.11	79				
	2	43.1	279	1.87	2.32	59	39.5	277	1.20	2.28	58				
	3	43.5	279	2.12	2.32	59	39.5	277	1.33	2.28	58				
	4	42.7	279	1.79	2.52	64	39.2	277	1.16	2.76	70				
W.	5	44.9	280	2.15	3.07	78	41.3	278	1.44	3.11	79				
	6	43.2	279	1.59	5.16	131	40.6	278	0.96	5.63	143				
	7	44.0	280	1.73	3.66	93	40.8	278	1.04	3.74	95				
	8	45.6	281	2.14	4.22	107	42.8	279	1.42	5.00	127				
	9	44.0	280	1.95	3.86	98	41.4	278	1.20	4.06	103				
S.	10	45.3	280	2.21	4.02	102	43.1	279	1.47	4.69	119				
	11	49.3	283	2.43	3.98	101	46.3	281	1.76	4.29	109				

AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON

1920.

CALENDAR

WITH

NOTES AND DIARY OF OPERATIONS

FOR

THE USE OF OBSERVERS.

Issued by the Authority of the Meteorological Committee.



LONDON:

PRINTED BY HIS MAJESTY'S STATIONERY OFFICE.

And to be purchased from
 THE METEOROLOGICAL OFFICE, AIR MINISTRY, KINGSWAY, LONDON, W.C.2.
 OR EXHIBITION ROAD, LONDON, S.W.7.

1919.

Price 1s. 6d. Net.

Mean Temperature, Daily Sunshine, and aggregate Rainfall for
 twelve districts for the seasons and the year.

Dist.	Temperature.				Sun- shine.	Rainfall.	Temperature.	Sun- shine.				Rainfall.
	°F.	a.	hrs.	in.	mm.		°F.	a.	hrs.	in.	mm.	
SPRING.						SUMMER.						
N.												
E.	0	43.5	279	4.44	10.05	255	54.0	285	4.28	10.32	262	
	1	44.1	280	4.88	6.54	166	55.4	286	5.21	8.19	208	
	2	45.3	280	5.20	5.24	133	57.6	287	5.74	7.09	180	
	3	46.6	281	5.52	5.00	127	59.4	288	6.45	6.42	163	
	4	46.4	281	4.93	5.59	142	58.6	288	5.79	7.13	181	
W.	5	47.7	282	5.63	5.32	135	60.1	289	6.84	6.30	160	
	6	45.5	281	5.09	9.14	232	56.3	287	5.62	10.75	273	
	7	46.2	281	5.16	6.74	171	57.7	287	5.81	9.10	231	
	8	47.5	282	5.51	7.37	187	58.6	288	6.36	8.75	222	
	9	46.2	281	4.85	7.60	193	56.5	287	4.76	9.69	246	
	10	47.7	282	5.37	8.04	204	58.1	288	5.33	9.49	241	
S.	11	49.5	283	6.46	6.11	155	60.3	289	7.68	6.54	166	
AUTUMN.						WINTER.						
N.												
E.	0	46.4	281	2.35	14.54	369	38.3	277	1.15	16.35	415	
	1	46.4	281	2.80	8.55	217	37.4	276	1.68	7.80	198	
	2	48.4	282	3.09	6.97	177	38.8	277	1.75	5.55	141	
	3	49.5	283	3.45	6.85	174	38.7	277	1.93	5.55	141	
	4	48.4	282	2.97	7.37	187	38.7	277	1.67	6.62	168	
W.	5	50.5	283	3.57	8.63	219	40.3	278	1.96	7.33	186	
	6	47.8	282	2.76	13.43	341	39.7	277	1.44	13.95	354	
	7	49.1	283	2.94	10.32	262	39.9	277	1.60	9.18	233	
	8	50.5	283	3.37	11.54	293	41.5	278	1.94	11.54	293	
	9	48.6	282	2.83	10.52	267	41.0	278	1.64	10.44	265	
	10	49.8	283	3.25	10.79	274	42.4	279	1.92	11.82	300	
S.	11	54.0	285	4.06	10.60	269	44.8	280	2.39	9.81	249	
Dist.		Temperature.			Sun- shine.	Rainfall.						
		°F.	a.	hrs.	in.	mm.						
YEAR.												
N.												
E.	0	45.7	281	3.05	51.65	1311						
	1	45.9	281	3.63	31.28	794						
	2	47.5	282	3.93	25.02	635						
	3	48.4	282	4.32	24.03	610						
	4	48.0	282	3.83	27.03	686						
	5	49.6	283	4.49	27.93	709						
W.												
	6	47.3	282	3.72	47.67	1210						
	7	48.2	282	3.87	35.50	901						
	8	49.5	283	4.28	39.44	1001						
	9	48.0	282	3.51	38.49	977						
	10	49.5	283	3.96	40.58	1030						
S.												
	11	52.0	284	5.13	33.37	847						

METEOROLOGICAL OFFICE CALENDAR.

HISTORICAL NOTES.

Pressures quoted in absolute units.—In converting from inches to millibars pressure values given in previous editions, it has been assumed that the gravity correction had not been made.

Wind Velocities.—All velocities given are reduced to "factor 2.2," and are expressed in metres per second, m/s, with an alternative in miles per hour, mi/hr.

Holy Days.—The names of the Holy Days find a place in the Meteorological Calendar in view of their traditional association with the weather. The tradition survives in a few cases such as St. Swithin's Day. For reference to others "Weather Lore," by Mr. R. Inwards, may be consulted.

DIARY.

The * symbol denotes that at the observatories the day so marked is a change-day for two-day sheets.

The note "post anemograms" is inserted each Monday, but when postal arrangements permit the anemograms should be posted on Sunday.

International Cloud Days.—Observations of cloud motion on the international plan should be made on each balloon day and on the day preceding and succeeding.

Meteorological and Magnetic Year Book.—The Weekly Weather Report for each week is issued on the Friday of the following week. The Quarterly and Annual Appendices and the Annual Summary to the Monthly Weather Report are due for issue on the dates specified in the Calendar. (The Monthly Flysheet for each month is issued on the first day of the following month unless that day happens to be a Sunday.) The Monthly Weather Report is due to be issued on the first day of the next month but one. Daily Readings at First and Second Order Stations are due on the last working day of the following month. The Geophysical Journal is due within three months of the close of its period. Hourly Readings for 1919 are to be published as an Annual Volume before the close of 1920.

The Meteorological Magazine.—(Symons's Meteorological Magazine incorporated with the Meteorological Office Circular) is to be issued on the 15th of each month from February 1920 onwards.

LIST OF ABBREVIATIONS.

Weekly Weather Report ...	...	...	...	...	W.W.R.
Monthly Weather Report ...	...	...	...	...	M.W.R.
Geophysical Memoirs ...	...	...	...	...	G.M.
Quarterly Journal of the Royal Meteorological Society	...	...	...	...	Q.J.
Symons's Meteorological Magazine	...	...	...	...	S.M.
Forecasting Weather ...	...	...	...	...	F.W.
Life History of Surface Air Currents ...	...	...	...	...	L.H.

SOLAR HEAT.

The strength of the solar heat stream is supposed to vary from day to day. According to Abbot its mean value is—

$$\begin{aligned} & 1.93 \text{ gm. cal. per cm}^2 \text{ per min.} \\ & = 135 \text{ milliwatts per cm}^2. \\ & = 32.4 \text{ kilowatt hours per m}^2 \text{ per diem.} \\ & = 11700 \text{ joules per diem per cm}^2. \end{aligned}$$

The accompanying table is derived from the last of these values by means of Zenker's table in which allowance for the variation in the sun's distance is made, so that the figures represent $c \frac{a^2}{r^2} \int \cos z \, dt$ where c is the mean strength of the solar heat stream, z is the sun's zenith distance, r is the distance from the earth to the sun, a its mean value, and the integral is taken over the time the sun is above the horizon.

Gross Vertical Flow of Heat per diem towards the earth from outside the Atmosphere.				
Lat.			52°	56°
			Joules per sq. cm.	
Jan. 15	...	...	781	539
Feb. 15	...	...	1326	1083
Mar. 15	...	...	2179	1961
April 15	...	...	3076	2923
May 15	...	...	3801	3732
June 15	...	...	4117	4096
July 15	...	...	3944	3906
Aug. 15	...	...	3323	3202
Sept. 15	...	...	2497	2303
Oct. 15	...	...	1597	1361
Nov. 15	...	...	927	692
Dec. 15	...	...	626	410

SUMMER TIME.

Since the year 1916, under the provisions of the Summer Time Act, clocks have been advanced during certain months to indicate one hour later than Greenwich Mean Time. The following list shows the dates between which Summer Time has been used in the British Isles.

1916. May 21st to September 30th.
1917. April 8th to September 16th.
1918. March 24th to September 29th.
1919. March 30th to September 28th.

Week 53. DECEMBER 28TH, 1919, TO JANUARY 3RD, 1920. Days 362 to 3.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary. * Change day for two-day sheets.
SUNDAY, DECEMBER 28th, 1919.	*362. Post Weekly Returns.
MONDAY, 29th.	363. Post Anemograms. Post Barograms.
TUESDAY, 30th.	*364.
WEDNESDAY, 31st.	365.
THURSDAY, JANUARY 1st, 1920. { ☉ S 23° 1'. NEW YEAR'S DAY (England since 1751, Scotland since 1600). M 20h. 5m. 1876. First publication by "The Times" of 6 p.m. Weather Map.	*1. Obs.—Send curves and tabu- lations.
FRIDAY, 2nd. ☉ S 23° 0'. M 21h. 4m.	2.
SATURDAY, 3rd. ☉ S 22° 9'. M 22h. 6m.	*3. Obs.—Close Journal, 53. Post Monthly Climatolo- gical Returns.

Times of Sunrise, Noon and Sunset, G.M.T., Dec. 28th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	9 12	12 14	15 16	Cahirciveen	8 51	12 43	16 35
Aberdeen	8 52	12 10	15 28	Richmond	8 9	12 3	15 57
Eskdalemuir	8 43	12 14	15 45	Falmouth	8 22	12 22	16 22

Week 1. JANUARY 4TH TO JANUARY 10TH, 1920. Days 4 to 10.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JANUARY 4th. { ☉ S 22° 8'. M 23h. 9m. ☉ Full Moon 21h. 5m.	4. Post Weekly Returns.
MONDAY, 5th. ☉ S 22° 7' M —	*5. Post Anemograms. Post Barograms.
TUESDAY, 6th. ☉ S 22° 6'. M 0h. 11m. EPIPHANY. Twelfth Day. 1861. Abbott Lawrence Rotch, Meteorologist, Founder of Blue Hill Observatory, b. [d. 7 Apr. 1912]. 1839. Beginning of two days' hurricane over British Isles. Many fatalities.	6.
WEDNESDAY, 7th. ☉ S 22° 5'. M 1h. 10m. 1881. Beginning of 21 days of severe frost. (Q.J.). 1839. End of two days' hurricane over British Isles. Barometer 27·69 in. (939 mb.) at Aberdeen.	*7. Balloon day.
THURSDAY, 8th. ☉ S 22° 4'. M 2h. 5m. 1820. Barometer 31·046 in. (1052·5 mb.) at Gordon Castle at 9h.	8. Obs.—Send curves and tabu- lations. Balloon Day.
FRIDAY, 9th. ☉ S 22° 2'. M 2h. 57m. 1896. Barometer (sea level) 31·108 in. (1054·5 mb.), Ochertyre 9h.; 31·106 in. (1054·5 mb.), Fort William.	*9. Balloon day.
SATURDAY, 10th. ☉ S 22° 1'. M 3h. 45m. 1909. Reports by radio-telegraphy from Atlantic liners begun. 1913. Barometer 27·44 in. (929 mb.) recorded by White Star liner "Celtic" in 50° N. 29° W.	10. Obs.—Close Journal, 1.

Times of Sunrise, Noon and Sunset, G.M.T., January 4th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	9 3	12 16	15 30	Cahirciveen	8 50	12 45	16 41
Aberdeen	8 49	12 13	15 38	Richmond	8 8	12 5	16 2
Eskdalemuir	8 47	12 17	15 47	Falmouth	8 22	12 25	16 29

Week 2. JANUARY 11TH TO JANUARY 17TH, 1920. Days 11 to 17.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JANUARY 11th. { ☉ S 21° 9'. M 4h. 31m. 1914. Eruption of Sakarishima, Japan.	Post Weekly Returns. *11.
MONDAY, 12th. ☉ S 21° 8'. M 5h. 17m. 1915. Pressure at Irkoutsk (Siberia) reached 803 mm. = 1071 mb. 1869. Regular daily issue of lithographed copies of the Daily Weather Report begun (see 5 July).	Post Anemograms. 12. Post Barograms. M.O.—Discussion 17h.
TUESDAY, 13th. ☉ S 21° 6'. M 6h. 1m. ☾ Last quarter 0h. 9m.	*13.
WEDNESDAY, 14th. ☉ S 21° 5'. M 6h. 47m. 1st January (Old Style) in Russian Empire, &c. 1806. Matthew Fontaine Maury, American Marine Meteorologist, b. [d. 1 Feb. 1873].	14.
THURSDAY, 15th. ☉ S 21° 3'. 7h. 32m. 1915. Earthquake in Italy. 1820. Temperature at Greenwich 0° 0' F. (255a)	*15. Obs.—Send curves and tabu- lations.
FRIDAY, 16th. ☉ S 21° 1'. M 8h. 19m.	16.
SATURDAY, 17th. ☉ S 20° 9'. M 9h. 7m. 1881. Low temperatures —15° F. (247a) Stobo, (in Stevenson's screen) —16° F. (246a) Kelso, —22° F. (243a) Blackadder. —(S.M., Vol. 16.)† 1706. Benjamin Franklin, Printer, Meteorologist and Diplomatist, b. [d. 1790].	Obs.—Close Journal, 2. *17.

Times of Sunrise, Noon and Sunset, G.M.T., January 11th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	8 57	12 20	15 43	Cahirciveen	8 47	12 44	16 41
Aberdeen ...	8 44	12 16	15 49	Richmond ...	8 5	12 8	16 11
Eskdalemuir	8 43	12 20.	15 57	Falmouth ...	8 20	12 28	16 37

† Symons's Meteorological Magazine.

Week 3. JANUARY 18TH TO JANUARY 24TH, 1920. Days 18 to 24.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JANUARY 18th. { ☉ S 20° 7'. M 9h. 56m. 1815. Warren de la Rue, Chairman, Kew Com- mittee, b. [d. 19 Apr. 1889]. 1881. Great Snowstorm and violent Easterly gale in South of England. Known as Black Tuesday (London milk supply curtailed). Highest tide ever recorded in the Thames. 1912. Capt. R. F. Scott reached South Pole.	18. Post Weekly Returns.
MONDAY, 19th. ☉ S 20° 5'. M 10h. 44m. 1830. Heavy snow. Salisbury coach 17 hours coming from Andover. Severe frost.—(Q.J., 1901.)	*19. Post Anemograms. Post Barograms.
TUESDAY, 20th. ☉ S 20° 3'. M 11h. 33m. 1817. William Ferrel, Mathematician and Meteoro- logist, b. [d. 18 Sept. 1891]. 1838. Coldest day of century. Thermometer below zero for some hours, followed almost immediately by a variation of nearly 50 degrees —4° F. (253a) at Greenwich.—(Phil. Mag., Vol. XII.) p 302	20.
WEDNESDAY, 21st. ☉ S 20° 1'. M 12h. 20m. ● New Moon 5h. 27m.	*21.
THURSDAY, 22nd. ☉ S 19° 9'. M 13h. 7m. St. Vincent.	22. Obs.—Send curves and tabu- lations.
FRIDAY, 23rd. ☉ S 19° 7'. M 13h. 54m.	*23.
SATURDAY, 24th. ☉ S 19° 4'. M 14h. 40m. 1683-84. Thames planted with booths in formal streets.—(Q.J. XXVIII.)	24. Obs.—Close Journal, 3.

Times of Sunrise, Noon and Sunset, G.M.T., January 18th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	8 48	12 22	15 57	Cahirciveen	8 41	12 51	17 2
Aberdeen ...	8 36	12 29	16 2	Richmond ...	8 0	12 10	16 21
Eskdalemuir	8 35	12 22	16 9	Falmouth ...	8 15	12 31	16 47

Week 4. JANUARY 25TH TO JANUARY 31ST, 1920. Days 25 to 31.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, JANUARY 25th. ST. PAUL'S DAY. Formerly believed to foreshadow the weather of the year. 1627. Robert Boyle, Experimental Philosopher, b. [d. 30 Dec. 1691].	$\left\{ \begin{array}{l} \odot S 19^{\circ} 2'. \\ M 15h. 26m. \end{array} \right.$	Post Weekly Returns. *25.
MONDAY, 26th. 1884. Great Snowstorm in Scotland, Barometer 27.332 in. (926.5 mb. Sea level), Ochertyre. Very heavy gale generally.	$\odot S 18^{\circ} 9'. M 16h. 14m.$	Post Anemograms. 26. Post Barograms. M.O.—Discussion 17h.
TUESDAY, 27th. 1866. Meteorological Society Incorporated by Royal Charter. 1881. End of 21 days' spell of severe frost.	$\odot S 18^{\circ} 7'. M 17h. 5m.$	*27.
WEDNESDAY, 28th. 1833. Robert Henry Scott, First Director of Meteorological Office, b. [d. 18 June 1916].	$\odot S 18^{\circ} 4'. M 17h. 57m.$ D First quarter 15h. 38m.	28.
THURSDAY, 29th.	$\odot S 18^{\circ} 2'. M 18h. 53m.$	*29. Obs.—Send curves and tabu- lations.
FRIDAY, 30th.	$\left\{ \begin{array}{l} \odot S 17^{\circ} 9'. \\ M 19h. 52m. \end{array} \right.$	30.
SATURDAY, 31st. 1902. Barometer (Sea level) 31.110 in. (1055 mb.), Aberdeen.	$\left\{ \begin{array}{l} \odot S 17^{\circ} 7'. \\ M 20h. 52m. \end{array} \right.$	*31. Obs.—Close Journal, 4. M.O.—Geophysical Journal, November Copy day.

Times of Sunrise, Noon and Sunset, G.M.T., January 25th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 36	12 24	16 13	Cahirciveen	8 34	12 53	17 12
Aberdeen	8 26	12 21	16 16	Richmond	7 52	12 12	16 33
Eskdalemuir	8 23	12 23	16 23	Falmouth	8 8	12 33	16 58

Week 5. FEBRUARY 1ST TO FEBRUARY 7TH, 1920. Days 32 to 38.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, FEBRUARY 1st. 1894. First telegraphic report from Azores (Delgada).	$\left\{ \begin{array}{l} \odot S 17^{\circ} 4'. \\ M 21h. 53m. \end{array} \right.$	Post Weekly Returns. 32.
MONDAY, 2nd.	$\odot S 17^{\circ} 1'. M 22h. 52m.$	*33. Post Anemograms. Post Barograms. M.O.—W.W.R. Introduction and Annual Appendices I, II, Copy day.
TUESDAY, 3rd.	$\odot S 16^{\circ} 8'. M 23h. 49m.$	34. Post Monthly Climatologi- cal Returns.
WEDNESDAY, 4th.	$\odot S 16^{\circ} 5'. M \text{ ---}$ Full Moon 8h. 42m.	*35.
THURSDAY, 5th. 1861. First cautionary or "Storm Signal" made. 1870. Barometer 27.33 in. (926 mb.), S.S. "Tarifa," 51°N., 24°W.	$\odot S 16^{\circ} 2'. M 0h. 42m.$	36. Obs.—Send curves and tabu- lations. Balloon Day.
FRIDAY, 6th. St. Dorothea.	$\odot S 15^{\circ} 9'. M 1h. 33m.$	*37.
SATURDAY, 7th. 1895. Temperature—10° F. (250a) at Barkby, near Leicester.	$\odot S 15^{\circ} 6'. M 2h. 21m.$	38. Obs.—Close Journal, 5.

Times of Sunrise, Noon and Sunset, G.M.T., February 1st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 21	12 26	16 31	Cahirciveen	8 25	12 55	17 25
Aberdeen	8 13	12 24	16 32	Richmond	7 42	12 14	16 46
Eskdalemuir	8 13	12 26	16 38	Falmouth	7 58	12 34	17 11

Week 6. FEBRUARY 8TH TO FEBRUARY 14TH, 1920. Days 39 to 45.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, FEBRUARY 8th.	{ ☉ S 15° 3'. M 3h. 8m.	Post Weekly Returns. *39.
1750. Last considerable earthquake in England. —(HORACE WALPOLE'S LETTERS.) 1895. Beginning of 14 days' frost, with skating on the Serpentine. Temperature — 12° F. (249a), Braemar.		
MONDAY, 9th.	☉ S 15° 0'. M 3h. 54m.	Post Anemograms. 40. Post Barograms. M.O.—Discussion 17h.
TUESDAY, 10th.	☉ S 14° 7'. M 4h. 40m.	*41
WEDNESDAY, 11th.	☉ S 14° 5'. M 5h. 26m. (Last quarter 20h. 49m.	42.
THURSDAY, 12th. St. Eulalie.	☉ S 14° 0'. M 6h. 13m.	Obs.—Send curves and tabu- lations. *43.
FRIDAY, 13th.	☉ S 13° 7'. M 7h. 1m.	44.
1899. Min. temp. New Orleans 7° F. Ice 2 in. thick on Mississippi.—(S.M.)*		
SATURDAY, 14th.	☉ S 13° 4'. M 7h. 49m.	Obs.—Close Journal, 6. *45.

Times of Sunrise, Noon and Sunset, G.M.T., February 8th

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 6	12 26	16 46	Cahiriveen	8 12	12 55	17 38
Aberdeen	7 59	12 23	16 47	Richmond	7 31	12 15	16 59
Eskdalemuir	7 59	12 26	16 53	Falmouth	7 48	12 35	17 22

* See M.O. Publication, 142.

Week 7. FEBRUARY 15TH TO FEBRUARY 21ST, 1920. Days 46 to 52.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, FEBRUARY 15th.	{ ☉ S 13° 0'. M 8h. 37m.	Post Weekly Returns. 46.
1907. Full service of telegraphic reports from Iceland,		
MONDAY, 16th.	☉ S 12° 7'. M 9h. 26m.	Post Anemograms. *47. Post Barograms.
1822. Sir F. Galton, Traveller and Investigator, Chairman Kew Committee, b. [d. 17 Jan. 1911].		M.O.—Half-yearly issue of cards to Sunshine stations.
TUESDAY, 17th.	☉ S 12° 3'. M 10h. 14m.	48.
WEDNESDAY, 18th.	☉ S 12° 0'. M 11h. 1m.	*49.
1564. Galileo Galilei b. [d. 8 Jan. 1642]. 1895. Ice 10 in. thick, Regent's Park.		
THURSDAY, 19th.	☉ S 11° 6'. M 11h. 48m. ● New Moon 21h. 35m.	Obs.—Send curves and tabu- lations. 50.
1895. Remarkable Temperature Inversion 9 a.m., Ben Nevis, Summit, 274a (33° 8' F.), Fort William 264a (15° 8' F.). 1895. Ice 7½ in. thick, Serpentine. (Q.J.)		
FRIDAY, 20th.	☉ S 11° 3'. M 12h. 36m.	Flag Day. *51.
1663. "Danzig Phenomenon." An elaborate arrangement of solar halos, &c., seen and depicted by Hevel, the German Astronomer. 1907. "Berlin" wrecked North Sea. Birthday of Princess Royal.		
SATURDAY, 21st.	☉ S 10° 9'. M 13h. 23m.	Obs.—Close Journal, 7. 52.

Times of Sunrise, Noon and Sunset, G.M.T., February 15th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 48	12 26	17 4	Cahiriveen	7 58	12 55	17 52
Aberdeen	7 42	12 23	17 5	Richmond	7 18	12 15	17 12
Eskdalemuir	7 45	12 27	17 9	Falmouth	7 36	12 35	17 35

Week 8. FEBRUARY 22ND TO FEBRUARY 28TH, 1920. Days 53 to 59.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary. Last week of Winter Quarter.	
SUNDAY, FEBRUARY 22nd.	{ ☉ S 10° 5'. M 14h. 12m.	Post Weekly Returns.	*53.
MONDAY, 23rd.	☉ S 10° 2'. M 15h. 2m.	Post Anemograms. Post Barograms. M.O.—Discussion 17th.	54.
TUESDAY, 24th.	☉ S 9° 8'. M 15h. 54m.		*55.
WEDNESDAY, 25th.	☉ S 9° 4'. M 16h. 49m. 1919. Captain M. W. C. Hepworth, Marine Superintendent, M.O., d. [b. 27 Apr. 1849].		56.
THURSDAY, 26th.	☉ S 9° 1'. M 17h. 46m. D First quarter 23h. 50m.	Obs.—Send curves and tabulations.	*57.
FRIDAY, 27th.	☉ S 8° 7'. M 18h. 45m. 1903. Destructive Circular Storm. Strongest gust 39·3 m/s (88 mi/hr), Pendennis. Maximum hourly velocity, 24·6 m/s (55 mi/hr). (Q.J.)		58.
SATURDAY, 28th.	{ ☉ S 8° 3'. M 19h. 43m.	M.O.—Geophysical Journal, December Copy day. Sunshine stations. Equinoctial cards (straight) to be used from 1st March until 12th April. Obs.—Close Journal, S.	*59.

Times of Sunrise, Noon and Sunset, G.M.T., February 22nd

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 30	12 26	17 23	Cahiriveen	7 45	12 55	18 5
Aberdeen	7 25	12 24	17 20	Richmond	7 4	12 14	17 24
Eskdalemuir	7 28	12 26	17 24	Falmouth	7 22	12 34	17 47

Week 9. FEBRUARY 29TH TO MARCH 6TH, 1920. Days 60 to 66.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary. First week of Spring Quarter.	
SUNDAY, FEBRUARY 29th.	☉ S 7° 9'. M 20h. 41m.	Post Weekly Returns.	60.
MONDAY, MARCH 1st.	☉ S 7° 6'. M 21h. 37m. St David.	Post Anemograms. Post Barograms. M.W.R.—Introduction and Annual Supplement Copy Day.	*61.
TUESDAY, 2nd.	☉ S 7° 2'. M 22h. 31m. St. Chad.		62.
	1843. Sir W. J. L. Wharton, Hydrographer to the Navy, b. [d. 29 Sept. 1905]. 1862. Prince Boris Galitzine, Russian Meteorologist and Seismologist, b. [d. 17 May 1916]. 1784. Blanchard, aeronaut, made his first ascent from Paris in a hydrogen balloon.		
WEDNESDAY, 3rd.	☉ S 6° 8'. M 23h. 22m. St. Winnold.		*63.
	1841. Sir John Murray, Oceanographer, b. [d. 16 March 1914].		
THURSDAY, 4th.	☉ S 6° 4'. M — Full Moon 21h. 13m.	Post Monthly Climatological Returns. Obs.—Send curves and tabulations. Balloon day.	64.
FRIDAY, 5th.	☉ S 6° 0'. M 0h. 11m.		*65.
SATURDAY, 6th.	☉ S 5° 7'. M 0h. 58m.	Obs.—Close Journal, 9.	66.

Times of Sunrise, Noon and Sunset, G.M.T., February 29th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 12	12 25	17 38	Cahiriveen	7 32	12 54	18 16
Aberdeen	7 7	12 22	17 37	Richmond	6 50	12 13	17 37
Eskdalemuir	7 12	12 25	17 38	Falmouth	7 9	12 34	17 59

Week 10. MARCH 7TH TO MARCH 13TH, 1920. Days 67 to 73.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, MARCH 7th. ☉ S 5·3°. M 1h. 45m. 1792. Sir J. F. W. Herschel, Astronomer, b. [d. 11 May 1871].	*67. Post Weekly Returns.
MONDAY, 8th. ☉ S 4·9°. M 2h. 32m.	68. Post Anemograms. Post Barograms. M.O.—Discussion 17h.
TUESDAY, 9th. ☉ S 4·5°. M 3h. 19m.	*69.
WEDNESDAY, 10th. ☉ S 4·1°. M 4h. 6m. 1899. Discovery of the Stratosphere by Teisserenc de Bort.	70.
THURSDAY, 11th. ☉ S 3·7°. M 4h. 53m. 1811. Leverrier, French Astronomer, b. [d. 23 Sept. 1877]. 1872. Weather Charts first included in D.W.R. 1911. Western European Standard time (G.M.T.) adopted in France.	*71. Obs.—Send curves and tabu- lations.
FRIDAY, 12th. ☉ S 3·3°. M 5h. 41m. (Last quarter 17h. 57m.	72.
SATURDAY, 13th. ☉ S 2·9°. M 6h. 29m. 1900. Highest barometer reading on board ship in N. Atlantic, 31·09 in. (1054 mb.), S.S. "Lumen" in 55° N., 24° W.	*73. Obs.—Close Journal, 10.

Times of Sunrise, Noon and Sunset, G.M.T., March 7th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	6 54	12 23	17 52	Cahirciveen	7 17	12 52	18 28
Aberdeen	6 50	12 20	17 50	Richmond	6 36	12 11	17 47
Eskdalemuir	6 48	12 23	17 38	Falmouth	6 55	12 32	18 9

Week 11. MARCH 14TH TO MARCH 20TH, 1920. Days 74 to 80.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, MARCH 14th. ☉ S 2·6°. M 7h. 17m. 1905. Highest gust on record for M.O. anemo- graphs, 46 m/s (103 mi/hr) at Pendennis Castle, Falmouth.	74. Post Weekly Returns.
MONDAY, 15th. ☉ S 2·1°. M 8h. 5m. 1615. Highest flood ever known in Norwich.— (Geol. Memoir. Woodward.)	*75. Post Anemograms. Post Barograms. M.O.—Quarterly issue | of forms.
TUESDAY, 16th. ☉ S 1·7°. M 8h. 53m.	76.
WEDNESDAY, 17th. ☉ S 1·3°. M 9h. 40m.	*77.
THURSDAY, 18th. ☉ S 0·9°. M 10h. 27m. Birthday of Duchess of Argyll.	78. Obs.—Send curves and tabu- lations. Flag day.
FRIDAY, 19th. ☉ S 0·5°. M 11h. 15m. St. Joseph.	*79.
SATURDAY, 20th. ☉ S 0·1°. M 12h. 4m. ● New Moon 10h. 56m. Vernal Equinox. 1727. Sir Isaac Newton d. [b. 25 Dec. 1642].	80. Obs.—Close Journal, 11.

Times of Sunrise, Noon and Sunset, G.M.T., March 14th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	6 35	12 22	18 8	Cahirciveen	7 0	12 50	18 41
Aberdeen	6 32	12 18	18 5	Richmond	6 21	12 10	18 59
Eskdalemuir	6 35	12 21	18 7	Falmouth	6 41	12 30	18 20

Week 12. MARCH 21ST TO MARCH 27TH, 1920. Days 81 to 87.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, MARCH 21st. \odot N $0^{\circ}2'$. M 12h. 55m. 1893. First registering balloon ascent. (Hermite and Besançon.)		Post Weekly Returns. *81.
MONDAY, 22nd. \odot N $0^{\circ}6'$. M 13h. 48m. 1682. River Thames, at London, ebbcd and flowed three times in four hours.—(LOWE.) 1903. Eruption of La Soufrière.		Post Anemograms. 82. Post Barograms. M.O.—Discussion 17h.
TUESDAY, 23rd. \odot N $1^{\circ}0'$. M 14h. 43m.		*83.
WEDNESDAY, 24th. \odot N $1^{\circ}4'$. M 15h. 41m. 1878. "Eurydice" line-squall. (Q.J.) 1895. Destructive secondary passed across England. (F.W.) 1902. Circular storm. Hourly wind velocity, 18.8 m/s (42 mi/hr), Valencia. (L.H.) 1918. Maximum of 295a recorded at Worksop, highest March temperature recorded for 43 years. Summer Time began.		84.
THURSDAY, 25th. Lady Day. \odot N $1^{\circ}8'$. M 16h. 40m.		*85. Obs.—Send curves and tabulations.
FRIDAY, 26th. \odot N $2^{\circ}2'$. M 17h. 39m.		86.
SATURDAY, 27th. \odot N $2^{\circ}6'$. M 18h. 36m. (Last quarter 6h. 45m.)		*87. Obs.—Close Journal, 12.

Times of Sunrise, Noon and Sunset, G.M.T., March 21st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	6 16	12 19	18 23	Cahirciveen	6 44	12 48	18 52
Aberdeen	6 12	12 16	18 20	Richmond	6 5	12 8	18 11
Eskdalemuir	6 18	12 19	18 20	Falmouth	6 25	12 28	18 31

Week 13. MARCH 28TH TO APRIL 3RD, 1920. Days 88 to 94.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, MARCH 28th. \odot N $2^{\circ}9'$. M 19h. 36m. PALM SUNDAY. 1916. Gale and snowstorm; highest gust at Richmond, 31.1 m/s (70 mi/hr). Great destruction of trees in Midland and Home Counties.		88. Post Weekly Returns.
MONDAY, 29th. \odot N $3^{\circ}4'$. M 20h. 25m.		*89. Post Anemograms. Post Barograms.
TUESDAY, 30th. \odot N $3^{\circ}7'$. M 21h. 15m. 1919. Summer Time began.		90.
WEDNESDAY, 31st. \odot N $4^{\circ}1'$. M 22h. 4m. Birthday of Prince Henry. 1919. In Scotland the coldest March for about a century.		*91. M.O.—Geophysical Journal, January Copy day. Flag day.
THURSDAY, APRIL 1st. \odot N $4^{\circ}5'$. M 22h. 51m. 1879. Issue of forecasts resumed. First publication by "The Times" of the 8 a.m. Weather Map. 1919. Daily Weather Report first issued in three sections:—(1) British, (2) International, (3) Upper Air Supplement.		92. Obs.—Send curves and tabulations.
FRIDAY, 2nd. \odot N $4^{\circ}9'$. M 23h. 38m. GOOD FRIDAY. 1797. J. P. Gassiot, Benefactor Kew Observatory, b. [d. 15 Aug. 1877].		*93.
SATURDAY, 3rd. \odot N $5^{\circ}3'$. M — \bigcirc Full Moon 10h. 55m. 1617. Napier of Merchiston, inventor of logarithms, d. [b. 1550]. 1850. Royal Meteorological Society founded as British Meteorological Society.		94. Obs.—Close Journal, 13. Post Monthly Climatological Returns.

Times of Sunrise, Noon and Sunset, G.M.T., March 28th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 55	12 5	18 40	Cahirciveen	6 28	12 46	19 4
Aberdeen	5 53	12 14	18 35	Richmond	5 49	12 6	18 23
Eskdalemuir	6 0	12 17	18 34	Falmouth	6 10	12 26	18 42

Week 14. APRIL 4TH TO APRIL 10TH, 1920. Days 95 to 101.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, APRIL 4th. EASTER DAY.	☉ N 5·7°. M 0h. 21m.	Post Weekly Returns. *95.
MONDAY, 5th. EASTER MONDAY. 25th March, Old Style, Lady Day and New Year's Day, 1700 to 1750.	☉ N 6·0°. M 1h. 11m.	Post Anemograms. 96. Post Barograms.
TUESDAY, 6th. 1909. Commander Peary, U.S.N., at the North Pole.	☉ N 6·4°. M 1h. 58m.	*97.
WEDNESDAY, 7th. 1809. James Glaisher, meteorologist and balloon- ist, b. [d. 7th Feb. 1903]. 1815. Tomboro (E. Indies) eruption, April 7th- 12th. 1919. Issue of Gale Warnings to public resumed.	☉ N 6·8°. M 2h. 46m.	98.
THURSDAY, 8th. 1917. Summer Time began.	☉ N 7·2°. M 3h. 34m.	*99. Obs.—Send curves and tabu- lations. Balloon Day.
FRIDAY, 9th.	☉ N 7·6°. M 4h. 22m.	100.
SATURDAY, 10th.	☉ N 7·9°. M 5h. 10m.	*101. Obs.—Close Journal, 14.

Times of Sunrise, Noon and Sunset, G.M.T., April 4th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	5 35	12 16	18 56	Cahirciveen	6 13	12 45	19 16
Aberdeen ...	5 34	12 12	18 50	Richmond ...	5 33	12 4	18 35
Eskdalemuir	5 48	12 15	18 42	Falmouth ...	5 54	12 24	18 54

Week 15. APRIL 11TH TO APRIL 17TH, 1920. Days 102 to 108.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, APRIL 11th. ☉ N 8·3°. M 5h. 57m. ☾ Last quarter 13h. 24m. 1829. Alexander Buchan, meteorologist, b. [d. 13 May 1907]. Cold spell in Scotland, April 11th-14th (Borrow- ing Days).—BUCHAN.*		102. Post Weekly Returns.
MONDAY, 12th.	☉ N 8·7°. M 6h. 44m.	*103. Post Anemograms. Post Barograms. Flag day. Sunshine stations. Sum- mer Cards to be used from 13th April until 31st Aug.
TUESDAY, 13th.	☉ N 9·0°. M 7h. 31m.	104.
WEDNESDAY, 14th. ☉ N 9·4°. M 8h. 17m. Princess Beatrice's Birthday. 1629. Christiaan Huyghens, Natural Philosopher, b. [d. 8 June 1695]. 1919. Low barometer, minimum reading at Southport 969·2 mb. (28·62 in.) the lowest April reading in 48 years.		*105. Flag day.
THURSDAY, 15th. ☉ N 9·7°. M 9h. 4m. 1912. S.S. "Titanic" sunk by iceberg in Atlantic, 41° 16' N., 50° 14' W. 1800. James Clarke Ross, Antarctic Explorer, b. [d. 3 April 1862].		106. Obs.—Send curves and tabu- lations.
FRIDAY, 16th. ☉ N 10·1°. M 9h. 52m. 1682. John Hadley, Inventor of the Sextant, b. [d. 15 Feb. 1744]. 1786. Sir John Franklin, Explorer, b. [d. 1847].		*107.
SATURDAY, 17th.	☉ N 10·5°. M 10h. 42m.	108. Obs.—Close Journal, 15.

Times of Sunrise, Noon and Sunset, G.M.T., April 11th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	5 14	12 13	19 11	Cahirciveen	5 56	12 42	19 28
Aberdeen ...	5 14	12 9	19 5	Richmond ...	5 17	12 2	18 46
Eskdalemuir	5 24	12 13	19 2	Falmouth ...	5 38	12 21	19 4

* Handy Book of Meteorology, p. 140.

Week 16. APRIL 18TH TO APRIL 24TH, 1920. Days 109 to 115.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.			Diary.
SUNDAY, APRIL 18th. ☉ N 10° 8'. M 11h. 35m. ● New Moon 21h. 43m.			*109. Post Weekly Returns.
MONDAY, 19th. ☉ N 11° 1'. M 12h. 30m.			110. Post Anemograms. Post Barograms.
TUESDAY, 20th. ☉ N 11° 5'. M 13h. 29m.			*111.
WEDNESDAY, 21st. ☉ N 11° 8'. M 14h. 29m.			112.
THURSDAY, 22nd. ☉ N 12° 2'. M 15h. 30m.			*113. Obs.—Send curves and tabulations.
FRIDAY, 23rd. St. George. 1792, T. R. Robinson, Astronomer and Meteorologist, b. [d. 28 Feb. 1882].			114.
SATURDAY, 24th. ☉ N 12° 8'. M 17h. 28m.			*115. Obs.—Close Journal, 16.

Times of Sunrise, Noon and Sunset, G.M.T., April 18th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 55	12 12	19 28	Cahirciveen ...	5 41	12 21	19 40
Aberdeen ...	4 56	12 8	19 21	Richmond ...	5 2	12 0	19 58
Eskdalemuir ...	5 8	12 12	19 16	Falmouth ...	5 25	12 20	19 15

Week 17. APRIL 25TH TO MAY 1ST, 1920. Days 116 to 122.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.			Diary.
SUNDAY, APRIL 25th. ☉ N 13° 2'. M 18h. 22m. D First quarter 18h. 28m.			116. Post Weekly Returns. Flag day.
St. Mark. Princess Mary's birthday. 1791. Major-Gen. W. Reid, R.E., b. [d. 31 Oct. 1858]. Author of "Law of Storms." 1908. Great Snowfalls, Midlands and South.—(M.W.R.)			
MONDAY, 26th. ☉ N 13° 5'. M 19h. 13m. 1908. Great Snowfalls, Midlands and South.—(M.W.R.)			*117. Post Anemograms. Post Barograms.
TUESDAY, 27th. ☉ N 13° 8'. M 20h. 2m.			118.
WEDNESDAY, 28th. ☉ N 14° 1'. M 20h. 49m.			*119.
THURSDAY, 29th. ☉ N 14° 4'. M 21h. 34m.			120. Obs.—Send curves and tabulations.
FRIDAY, 30th. ☉ N 14° 7'. M 22h. 20m. 1777. Karl Friedrich Gauss, Mathematician, b. [d. 23 Feb. 1855].			*121. M.O.—Geophysical Journal, February Copy day.
SATURDAY, MAY 1st. ☉ N 15° 1'. M 23h. 6m. St. Philip and St. James. Duke of Connaught's birthday. 1914. Millibars used for pressure and millimetres for rainfall in the Daily Weather Report.			122. Obs.—Close Journal, 17. Flag day.

Times of Sunrise, Noon and Sunset, G.M.T., April 25th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 38	12 10	19 42	Cahirciveen ...	5 27	12 39	19 52
Aberdeen ...	4 39	12 8	19 36	Richmond ...	4 49	12 0	19 10
Eskdalemuir ...	4 51	12 10	19 29	Falmouth ...	5 11	12 19	19 27

Week 18. MAY 2ND TO MAY 8TH, 1920. Days 123 to 129.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, MAY 2nd.	☉ N 15.4°. M 23h. 53m.	Post Weekly Returns. *123.
MONDAY, 3rd.	☉ N 15.6°. M — ☉ Full Moon M 1h. 47m.	Post Anemograms. 124. Post Barograms.
TUESDAY, 4th.	☉ N 15.9°. M 0h. 40m. 1697. Thunderstorm at Hitchin, with hailstones 13 or 14 ins. in circumference.—(LOWE.)	Post Monthly Climatologi- cal Returns. *125.
WEDNESDAY, 5th.	☉ N 16.2°. M 1h. 28m.	Balloon day. 126.
THURSDAY, 6th.	☉ N 16.5°. M 2h. 16m. 1910. Accession of His Majesty King George V. 1915. Thunderstorms with very heavy rain (75 mm.) in the central and northern parts of London.	Obs.—Send curves and tabu- lations. *127. Flag day. Balloon day.
FRIDAY, 7th.	☉ N 16.8°. M 3h. 4m. 1902. La Soufrière, St. Vincent, in eruption.	Balloon day. 128.
SATURDAY, 8th.	☉ N 17.1°. M 3h. 52m. 1902. Mont Pelée eruption, Martinique.	Obs.—Close Journal, 18. *129.

Times of Sunrise, Noon and Sunset, G.M.T., May 2nd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	4 18	12 9	20 0	Cahirciveen	5 11	12 37	20 4
Aberdeen	4 22	12 6	19 50	Richmond	4 34	11 58	19 21
Eskdalemuir	4 35	12 9	19 43	Falmouth	4 58	12 18	19 37

Week 19. MAY 9TH TO MAY 15TH, 1920. Days 130 to 136.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, MAY 9th.	☉ N 17.3°. M 4h. 38m.	Post Weekly Returns. 130.
MONDAY, 10th.	☉ N 17.6°. M 5h. 24m.	Post Anemograms. *131. Post Barograms.
TUESDAY, 11th.	☉ N 17.9°. M 6h. 10m. ☾ Last quarter 5h. 51m.	132.
WEDNESDAY, 12th.	☉ N 18.1°. M 6h. 55m. St. Pancras. May 12th and 13th known as the "cold Saints' Days" on the Continent. At Richmond the normal maximum (1817-1900) drops from 61.5° F. on May 12th to 59.5° F. on May 19, recovering to 64.3° F. on May 24th—(M.O. 154).*	*133.
THURSDAY, 13th.	☉ N 18.4°. M 7h. 42m. St. Gervais.	134. Obs.—Send curves and tabu- lations.
FRIDAY, 14th.	☉ N 18.6°. M 8h. 29m. 1686. Gabriel Daniel Fahrenheit, b. [d. 16 Sept. 1736].	*135.
SATURDAY, 15th.	☉ N 18.8°. M 9h. 20m. 1835. Henrik Mohn, Norwegian Meteorologist, b. [d. 12 Sept. 1916]. Approximate average date of commencement of cold spell at Aberdeen and Falmouth—(M.O. 154).*	136. Obs.—Close Journal, 19.

Times of Sunrise, Noon and Sunset, G.M.T., May 9th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	4 2	12 8	20 14	Cahirciveen	5 0	12 37	20 14
Aberdeen	4 7	12 6	20 5	Richmond	4 21	11 57	19 32
Eskdalemuir	4 21	12 8	19 55	Falmouth	4 46	12 17	19 47

* One of the numbered publications of the Meteorological Office.

Week 20. MAY 16TH TO MAY 22ND, 1920. Days 137 to 143.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, MAY 16th.	\odot N 19° 1'. M 10h. 13m.	*137. Post Weekly Returns.
MONDAY, 17th.	\odot N 19° 3'. M 11h. 11m.	138. Post Anemograms. Post Barograms.
1906. Valparaiso earthquake.		
TUESDAY, 18th.	\odot N 19° 5'. M 12h. 12m. ● New Moon 6h. 25m.	*139.
1888. Thunderstorms over England and Scotland. (Q.J.)		
1906. San Francisco earthquake.		
1919. First attempt to fly the Atlantic by Mr. Hawker and Commander Grieve, who started in a Sopwith aeroplane from St. Johns, Newfoundland, to fly to Ireland.		
WEDNESDAY, 19th.	\odot N 19° 7'. M 13h. 14m.	140.
THURSDAY, 20th.	\odot N 20° 0'. M 14h. 17m.	*141. Obs.—Send curves and tabulations.
1916. Summer Time adopted for the first time. Railway and P.O. clocks moved forward one hour.		
FRIDAY, 21st.	\odot N 20° 2'. M 15h. 18m.	142.
1918. Maximum of 300a at Kew Observatory, Richmond. 8·9 mm. of rain fell at Meltham (Yorks.) in 10½ minutes.		
1919. R. H. Curtis, Superintendent of Instruments, M.O., 1907-12, d.		
SATURDAY, 22nd.	\odot N 20° 4'. M 16h. 15m.	*143. Obs.—Close Journal, 20.
1867. Snow on Derby day. (S.M. 1896).		
1918. At Meltham (Yorks.), May 21st and 22nd, hottest May days for 40 years (300a). Most severe thunderstorm ever experienced at Southport.		

Times of Sunrise, Noon and Sunset, G.M.T., May 16th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 46	12 9	20 31	Cahiriveen ...	4 47	12 37	20 26
Aberdeen ...	3 51	12 5	20 19	Richmond ...	4 10	11 57	19 43
Eskdalemuir ...	4 8	12 9	20 9	Falmouth ...	4 36	12 17	20 58

Week 21. MAY 23RD TO MAY 29TH, 1920. Days 144 to 150.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		Last week of Spring Quarter.
SUNDAY, MAY 23rd.	\odot N 20° 6'. M 17h. 9m.	144. Post Weekly Returns. Flag day.
WHIT SUNDAY. 1867 M.O. Daily Charts begun.		
MONDAY, 24th.	\odot N 20° 7'. M 17h. 59m.	*145. Post Anemograms. Post Barograms. Flag day.
Empire Day. 1545. William Gilbert of Colchester, Magnetician. b. [d. 30 Nov. 1603].		
TUESDAY, 25th.	\odot N 20° 9'. M 18h. 47m.	146. Flag day.
St. Urban. Princess Christian's Birthday.		
WEDNESDAY, 26th.	\odot N 21° 1'. M 19h. 33m.	*147. Flag day.
Birthday of Queen Mary.		
THURSDAY, 27th.	\odot N 21° 3'. M 20h. 19m.	148. Obs.—Send curves and tabulations.
FRIDAY, 28th.	\odot N 21° 4'. M 21h. 4m.	*149.
SATURDAY, 29th.	\odot N 21° 6'. M 21h. 50m.	150. Obs.—Close Journal, 21.
Ascension Day. 1914. S.S. "Empress of Ireland" sunk in St. Lawrence River by collision in a fog.		

Times of Sunrise, Noon and Sunset, G.M.T., May 23rd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 32	12 8	20 45	Cahiriveen ...	4 39	12 38	20 36
Aberdeen ...	3 39	12 6	20 32	Richmond ...	4 1	11 57	19 53
Eskdalemuir ...	3 57	12 9	20 21	Falmouth ...	4 27	12 18	20 8

Week 22. MAY 30TH TO JUNE 5TH, 1920. Days 151 to 157.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary. First week of Summer Quarter.
SUNDAY, MAY 30th. ☉ N 21° 8'. M 22h. 37m. TRINITY SUNDAY.	*151. Post Weekly Returns.
MONDAY, 31st. ☉ N 21° 9'. M 23h. 24m. 1905. First meeting of the Meteorological Committee. 1911. Thunderstorm at Epsom, 2.44 in. (62 mm.) rain in 50 m. (Derby Day).—(W.W.R.)	152. Post Anemograms. Post Barograms. M.O.—Geophysical Journal, March Copy day.
TUESDAY, JUNE 1st. ☉ N 22° 1'. M — Full Moon 17h. 18m. 1796. Sadi Carnot, French Physicist, b. [d. June 1832]. 1831. North magnetic pole located by J. C. Ross. 1908. Thunder squall at Bushey, rain estimated at .275 in. (7 mm.) in two minutes.	*153. M.O.—Observer's Handbook Copy day.
WEDNESDAY, 2nd. ☉ N 22° 2'. M 0h. 12m.	154.
THURSDAY, 3rd. ☉ N 22° 3'. M 1h. 4m. Corpus Christi. Birthday of His Majesty King George V.	*155. Obs.—Send curves and tabu- lations. Flag day.
FRIDAY, 4th. ☉ N 22° 4'. M 1h. 48m.	156. Post Monthly Climatologi- cal Returns.
SATURDAY, 5th. ☉ N 22° 6'. M 2h. 35m.	*157. Obs.—Close Journal, 22.

Times of Sunrise, Noon and Sunset, G.M.T., May 30th.

	h. m.				h. m.		
Wick ...	3 20	12 7	20 58	Cahirciveen	4 32	12 38	20 44
Aberdeen ...	3 28	12 6	20 44	Richmond ...	3 53	11 58	20 2
Eskdalemuir	3 48	12 12	20 36	Falmouth ...	4 20	12 18	20 16

Week 23. JUNE 6TH TO JUNE 12TH, 1920. Days 158 to 164.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JUNE 6th. ☉ N 22° 6'. M 3h. 21m. 1868. Captain Robert Falcon Scott, R.N., Ant- arctic Explorer, b. [d. 29 March 1912]. 1912. Eruption of Katmai, Alaska.	158. Post Weekly Returns.
MONDAY, 7th. ☉ N 22° 7'. M 4h. 6m. 1892. Great Sangir (E. Archipelago) in Eruption.	*159. Post Anemograms. Post Barograms.
TUESDAY, 8th. ☉ N 22° 8'. M 4h. 51m. St. Medard. 1783. Eruption of Skaptar Jökull, Iceland.	160.
WEDNESDAY, 9th. ☉ N 22° 9'. M 5h. 35m. Last quarter 18h. 59m. 1886. Eruption of Tarawera, New Zealand.	*161.
THURSDAY, 10th. ☉ N 23° 0'. M 6h. 21m.	162. Obs.—Send curves and tabu- lations. Balloon day.
FRIDAY, 11th. ☉ N 23° 1'. M 7h. 9m. St. Barnabas.	*163.
SATURDAY, 12th. ☉ N 23° 2'. M 7h. 59m.	164. Obs.—Close Journal, 23.

Times of Sunrise, Noon and Sunset, G.M.T., June 6th.

	h. m.				h. m.		
Wick ...	3 12	12 11	21 9	Cahirciveen	4 25	12 39	20 54
Aberdeen ...	3 22	12 7	20 52	Richmond ...	3 49	11 59	20 9
Eskdalemuir	3 42	12 10	20 38	Falmouth ...	4 15	12 19	20 23

Week 24. JUNE 13TH TO JUNE 19TH, 1920. Days 165 to 171.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JUNE 13th. ☉ N 23° 2'. M 8h. 53m. 1903. Beginning of 3 days' continuous rainfall in London.	*165. Post Weekly Returns.
MONDAY, 14th. ☉ N 23° 3'. M 9h. 52m. 1914. Remarkable thunderstorms on south- western outskirts of London. Rainfall at Richmond Park 3·7 in. (94 mm.). 1919. Atlantic crossed by non-stop flight for the first time by Capt. J. Alcock and Lt. A. W. Brown who left St. Johns, Newfoundland, at 16h. 28m. in a Vickers-Vimy-Rolls-Royce aeroplane, landing at Clifden, County Galway, Ireland, 16 hrs. 12 min. later.	166. Post Anemograms. Post Barograms. M.O.—Quarterly issue of forms.
TUESDAY, 15th. ☉ N 23° 3'. M 10h. 53m. 1854. Department for Marine Meteorology initiated by Mr. Cardwell for the Board of Trade. 1914. Severe thunderstorm, with subsidence of streets, at Paris.	*167.
WEDNESDAY, 16th. ☉ N 23° 4'. M 11h. 57m. ● New Moon 13h. 41m.	168.
THURSDAY, 17th. ☉ N 23° 4'. M 13h. 0m. Third Earl of Rosse, Astronomer, b. 1800, [d. 31 Oct. 1867]. 1913. Eruption of Asama-yama, Japan. 1914. Collision during fog between the liner "Kaiser Wilhelm II" and "Ince more" (Liver- pool) in the Channel.	*169. Obs.—Send curves and tabu- lations.
FRIDAY, 18th. ☉ N 23° 4'. M 14h. 1m. 1914. Stranding of "Bülöw" near Portland, owing to fog. 1783. Eruption of Skaptar Jökull, Iceland.	170.
SATURDAY, 19th. ☉ N 23° 4'. M 14h. 58m. St. Protais. 1914. Heavy local rainstorms in Scotland, result- ing in a serious railway accident at Carr Bridge (Inverness). 1623. Blaise Pascal, Philosopher, b. [d. 19 Aug. 1662].	*171. Obs.—Close Journal, 24.

Times of Sunrise, Noon and Sunset, G.M.T., June 13th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	3 8	12 12	21 16	Cahirciveen	4 23	12 41	20 59
Aberdeen	3 18	12 9	20 59	Richmond	3 45	12 0	20 15
Eskdalemuir	3 39	12 12	20 45	Falmouth	4 12	12 21	20 29

Week 25. JUNE 20TH TO JUNE 26TH, 1920. Days 172 to 178.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JUNE 20th. ☉ N 23° 4'. M 15h. 52m.	*172. Post Weekly Returns. Flag day.
MONDAY, 21st. ☉ N 23° 4'. M 16h. 42m. Summer Solstice. 1821. Georg von Neumayer, Magnetician and Meteorologist, b. [d. 24 May 1909].	*173. Post Anemograms. Post Barograms. M.O.—Discussion, 17h.
TUESDAY, 22nd. ☉ N 23° 4'. M 17h. 30m. Coronation Day.	174. Flag day.
WEDNESDAY, 23rd. ☉ N 23° 4'. M 18h. 17m. First quarter 6h. 50m. 1894. Prince of Wales born.	*175. Flag day.
THURSDAY, 24th. ☉ N 23° 4'. M 19h. 2m. St. John. MIDSUMMER DAY. 1035. Frost on Midsummer Day; so vehement that corn and fruit were destroyed.—(LOWE.) 1777. Sir John Ross, Arctic Explorer, b. [d. 30 Aug. 1856].	176. Obs.—Send curves and tabu- lations.
FRIDAY, 25th. ☉ N 23° 4'. M 19h. 48m. 1918. Ground Frost at Kew Observatory, latest on record for the first half of the year.	*177.
SATURDAY, 26th. ☉ N 23° 4'. M 20h. 35m. 1824. William Thomson, Lord Kelvin, Natural Philosopher, b. [d. 17 Dec. 1907].	178. Obs.—Close Journal, 25.

Times of Sunrise, Noon and Sunset, G.M.T., June 20th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	3 7	12 13	21 19	Cahirciveen	4 22	12 42	21 2
Aberdeen	3 16	12 10	21 3	Richmond	3 41	12 1	20 18
Eskdalemuir	3 38	12 13	20 48	Falmouth	4 11	12 21	20 31

Week 26. JUNE 27TH TO JULY 3RD, 1920. Days 179 to 185.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JUNE 27th. ☉ N 23° 3'. M 21h. 22m.	*179. Post Weekly Returns.
MONDAY, 28th. ☉ N 23° 3'. M 22h. 9m. 1917. Exceedingly heavy rain in Somerset. More than 150 mm. were measured in several places, 249 mm. (9·8 in.) at Bruton. This is the largest fall ever recorded in one day in any part of the United Kingdom. (See also Oct. 11.)	180. Post Anemograms. Post Barograms.
TUESDAY, 29th. ☉ N 23° 2'. M 22h. 57m. S.S. Peter and Paul.	*181.
WEDNESDAY, 30th. ☉ N 23° 2'. M 23h. 45m. 1879. First issue of forecasts during Harvest season. 1919. Lord Rayleigh, Physicist and Mathemat- ician, d. [b. 12 Nov. 1842].	182. Day for delivery of Magnetic Material for Hourly Values (Year Book, Pt. IV., 1918). M.O.—Geophysical Journal, April Copy day.
THURSDAY, JULY 1st. ☉ N 23° 1'. M — ☉ Full Moon 8h. 41m. 1910. Administration of Kew and Eskdale Observatories transferred to M.O.	*183. Obs.—Send curves and tabu- lations.
FRIDAY, 2nd. ☉ N 23° 1'. M 0h. 33m. 1919. Atlantic crossed by British rigid dirigible airship R. 34 which left East Fortune, Scotland, at 1h. 42m., G.M.T., landing at Long Island at 14h. on July 6th.	184.
SATURDAY, 3rd. ☉ N 23° 0'. M 1h. 19m.	*185. Obs.—Close Journal, 26.

Times of Sunrise, Noon and Sunset, G.M.T., June 27th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 19	12 20	21 20	Cahirciveen	4 24	12 44	21 3
Aberdeen ...	3 17	12 11	21 5	Richmond ...	3 46	11 58	20 9
Eskdalemuir	3 41	12 15	20 49	Falmouth ...	4 13	12 23	20 33

Week 27. JULY 4TH TO JULY 10TH, 1920. Days 186 to 192.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JULY 4th. ☉ N 22° 9'. M 2h. 4m.	186. Post Weekly Returns.
MONDAY, 5th. ☉ N 22° 8'. M 2h. 49m. 1805. Admiral Robert FitzRoy, b. [d. 30 April 1865]. 1868. First issue of the Daily Weather Report for Sunday.	*187. Post Anemograms. Post Barograms. Post Monthly Climato- logical Returns. Balloon day.
TUESDAY, 6th. ☉ N 22° 7'. M 3h. 34m. Wedding day of the King and Queen. Birthday of Princess Victoria. 1840. William Clement Ley, Meteorologist, b. [d. 22 April 1896].	188. Flag day. Balloon day.
WEDNESDAY, 7th. ☉ N 22° 6'. M 4h. 18m.	*189. Balloon day.
THURSDAY, 8th. ☉ N 22° 5'. M 5h. 4m. 1893. Thunder and hailstorms over England and S. Scotland. Hailstones 6-7 in. in cir- cumference fell at Richmond, Yorks.—(Q.J.) 1892. Mt. Etna in eruption. 1905. Kashgar (China) earthquake.	190. Obs.—Send curves and tabu- lations. Balloon day.
FRIDAY, 9th. ☉ N 22° 4'. M 5h. 52m. ☉ Last quarter 5h. 6m. 1845. George Howard Darwin, Natural Philosopher, b. [d. 7 Dec. 1912]. 1877. Administration of the Office transferred from the Meteorological Committee of the Royal Society to the Meteorological Council. 1892. Mt. Etna in eruption.	*191. Balloon day.
SATURDAY, 10th. ☉ N 22° 2'. M 6h. 43m. 1913. Highest temperature on the surface of the Globe. 134° F. (33° a) at Greenland Ranch, on the edge of the Death Valley (Inyo County, California). See U.S. Monthly Weather Review, June, 1915. 1918. Lowest minimum July temperature re- corded at West Linton during 60 years (271a).	192. Obs.—Close Journal, 27. Balloon day.

Times of Sunrise, Noon and Sunset, G.M.T., July 4th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 15	12 16	21 17	Cahirciveen	4 29	12 45	21 1
Aberdeen ...	3 22	12 12	21 2	Richmond ...	3 50	12 4	20 17
Eskdalemuir	3 46	12 16	20 46	Falmouth ...	4 17	12 24	20 30

Week 28. JULY 11TH TO JULY 17TH, 1921. Days 193 to 199.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JULY 11th. ☉ N 22° 1'. M 7h. 37m. 1855. Scottish Meteorological Society founded.	*193. Post Weekly Returns.
MONDAY, 12th. ☉ N 22° 0'. M 8h. 35m. 1901. Heavy rainfall at Maidenhead, 3·63 in. (92 mm.) in 1 hour. 1905. Final meeting of the Meteorological Council.	194. Post Anemograms. Post Barograms.
TUESDAY, 13th. ☉ N 21° 8'. M 9h. 36m.	*195.
WEDNESDAY, 14th. ☉ N 21° 7'. M 10h. 39m. S.S. Processus and Martinian. 1857. Heavy rainfall over Monmouthshire, 5 in. (127 mm.) in 24 hrs.	196.
THURSDAY, 15th. ☉ N 21° 5'. M 11h. 41m. ● New Moon 20h. 15m. St. Swithin. 1881. Beginning of four days' spell of very hot weather over England S.E., 97° 6' F. (309a) at Greenwich, 95° F. (308a) at Camden Square; and with abnormal exposure, 101° F. (311a) at Alton, Hants. 100° F. (311a) at Alderbury, Salisbury.—(S.M.) 1888. Bandai San in eruption.	*197. Obs.—Send curves and tabu- lations.
FRIDAY, 16th. ☉ N 21° 4'. M 12h. 41m.	198.
SATURDAY, 17th. ☉ N 21° 2'. M 13h. 38m.	*199. Obs.—Close Journal, 28.

Times of Sunrise, Noon and Sunset, G.M.T., July 11th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 23	12 16	21 10	Cahirceveen	4 35	12 47	20 58
Aberdeen ...	3 32	12 14	20 55	Richmond ...	3 57	12 5	20 13
Eskdalemuir	3 53	12 17	20 41	Falmouth ...	4 23	12 25	20 27

Week 29. JULY 18TH TO JULY 24TH, 1920. Days 200 to 206.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JULY 18th. ☉ N 21° 0'. M 14h. 32m.	200. Post Weekly Returns.
MONDAY, 19th. ☉ N 20° 8'. M 15h. 22m.	*201. Post Anemograms. Post Barograms.
TUESDAY, 20th. ☉ N 20° 7'. M 16h. 11m. St. Margaret. St. Jacob.	202.
WEDNESDAY, 21st. ☉ N 20° 5'. M 16h. 58m.	*203.
THURSDAY, 22nd. ☉ N 20° 3'. M 17h. 45m. D First quarter 19h. 20m. St. Mary Magdalene. 1868. 96° 6' F. (309a) at Greenwich. 100° 5' F. (311a) at Tonbridge.	204. Obs.—Send curves and tabu- lations.
FRIDAY, 23rd. ☉ N. 20° 1'. M 18h. 31m. St. James.	*205.
SATURDAY, 24th. ☉ N 19° 9'. M 19h. 19m. 1817. Sir Richard Strachey, Chairman of the Meteorological Council, b. [d. 12 Feb. 1908].	206. Obs.—Close Journal, 29.

Times of Sunrise, Noon and Sunset, G.M.T., July 18th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 35	12 18	21 0	Cahirceveen	4 42	12 47	20 51
Aberdeen ...	3 42	12 14	20 46	Richmond ...	4 4	12 6	20 7
Eskdalemuir	4 3	12 18	20 33	Falmouth ...	4 30	12 26	20 21

Week 30. JULY 25TH TO JULY 31ST, 1920. Days 207 to 213.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JULY 25th. ☉ N 19° 7'. M 20h. 6m. 1919. British Rainfall Organization transferred from the Trustees of that Organization to the Meteorological Office.	*207. Post Weekly Returns.
MONDAY, 26th. ☉ N 19° 5'. M 20h. 54m.	208. Post Anemograms. Post Barograms.
TUESDAY, 27th. ☉ N 19° 2'. M 21h. 42m. 1801. Sir George Biddell Airy, Astronomer, b. [d. 2 Jan. 1892].	*209.
WEDNESDAY, 28th. ☉ N 19° 0'. M 22h. 29m. 1911. Thunderstorm and "record" wind at South Kensington, 1.1 in. (28 mm.) of rain in 15 mins. Gust, 24.1 m/s (54 mi/hr), at 17h. 16m.	210.
THURSDAY, 29th. ☉ N 18° 8'. M 23h. 16m. 1588. Spanish Armada finally dispersed by a storm.	*211. Obs.—Send curves and tabu- lations.
FRIDAY, 30th. ☉ N 18° 5'. M — ○ Full Moon 23h. 19m.	212.
SATURDAY, 31st. ☉ N 18° 3'. M 0h. 2m. John Milne, Seismologist, d. 1913 [b. 1850]. 1901. Siring and Berson, balloon ascent, Berlin. 10300 m.	*213. M.O.—Geophysical Journal. May Copy day. Obs.—Close Journal, 30.

Times of Sunrise, Noon and Sunset, G.M.T., July 25th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 49	12 18	20 47	Cahiriveen	4 54	12 48	20 41
Aberdeen ...	3 54	12 15	20 35	Richmond ...	4 14	12 6	19 58
Eskdalemuir	4 14	12 19	20 23	Falmouth ...	4 39	12 26	20 13

Week 31. AUGUST 1ST TO AUGUST 7TH, 1920. Days 214 to 220.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, AUGUST 1st. ☉ N 18° 0'. M 0h. 48m. Lammas Day. 1861. Weather forecasts first issued by Admiral FitzRoy in this month. 1910. First report by radiotelegraphy from Gibraltar.	214. Post Weekly Returns.
MONDAY, 2nd. ☉ N 17° 8'. M 1h. 33m. 1829. Great floods commenced in Moray. (See Account by Sir Thomas Dick Lauder.) 1906. Exceptionally destructive hailstorm over the east Midland Counties: value of uninsured crops destroyed estimated at £55,000.— (M.W.R.)	*215. Post Anemograms. Post Barograms.
TUESDAY, 3rd. ☉ N 17° 5'. M 2h. 18m.	216.
WEDNESDAY, 4th. ☉ N 17° 3'. M 3h. 3m.	*217. Post Monthly Climato- logical Returns.
THURSDAY, 5th. ☉ N 17° 0'. M 3h. 50m.	218. Obs.—Send curves and tabu- lations. Balloon day.
FRIDAY, 6th. ☉ N 16° 7'. M 4h. 39m. 1838. George James Symons, founder of the British Rainfall Organization, b. [d. 10 Mar. 1900].	*219.
SATURDAY, 7th. ☉ N 16° 4'. M 5h. 31m. Ⓢ Last quarter 12h. 51m. 1811. Elias Loomis, Meteorologist, b. [d. 14 Aug. 1889].	220. Obs.—Close Journal, 31.

Times of Sunrise, Noon and Sunset, G.M.T., August 1st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 3	12 18	20 33	Cahiriveen	5 3	12 48	20 32
Aberdeen ...	4 7	12 30	20 22	Richmond ...	4 24	12 6	19 48
Eskdalemuir	4 26	12 18	20 10	Falmouth ...	4 49	12 26	20 3

Week 32. AUGUST 8TH TO AUGUST 14TH, 1920. Days 221 to 227.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, AUGUST 8th.	☉ N 16° 2'. ☾ M 6h. 25m.	*221. Post Weekly Returns.
MONDAY, 9th.	☉ N 15° 9'. M 7h. 23m. 1911. Hottest day on record in London, 100° F. (311a) at Greenwich (Glaisher screen); 97° F. (309a) at South Kensington. 1912. Earthquake, Sea of Marmora.	222. Post Anemograms. Post Barograms.
TUESDAY, 10th.	☉ N 15° 6'. M 8h. 23m. St. Lawrence. 1675. Greenwich Observatory founded.	*223.
WEDNESDAY, 11th.	☉ N 15° 3'. M 9h. 24m.	224.
THURSDAY, 12th.	☉ N 15° 0'. M 10h. 24m.	*225. Obs.—Send curves and tabulations.
FRIDAY, 13th.	☉ N 14° 7'. M 11h. 22m. 1819. Sir G. G. Stokes, Physicist, b. [d. 2 Feb. 1903].	226.
SATURDAY, 14th.	☉ N 14° 4'. M 12h. 17m. ● New Moon 3h. 44m.	*227. Obs.—Close Journal, 32.

Times of Sunrise, Noon and Sunset, G.M.T., August 8th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 20	12 18	20 16	Cahirciveen	5 14	12 52	20 30
Aberdeen ...	4 20	12 14	20 7	Richmond ...	4 34	12 5	19 36
Eskdalemuir	4 38	12 17	19 56	Falmouth ...	4 58	12 55	20 52

Week 33. AUGUST 15TH TO AUGUST 21ST, 1920. Days 228 to 234.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, AUGUST 15th.	☉ N 14° 1'. M 13h. 10m. Assumption of the B.V.M.	228. Post Weekly Returns.
MONDAY, 16th.	☉ N 13° 7'. M 14h. 0m. 1887. Beginning of two days' thunderstorm over the metropolis.—(S.M.)	*229. M.O.—Half-yearly issue of cards to Sunshine stations. Post Anemograms. Post Barograms.
TUESDAY, 17th	☉ N 13° 4'. M 14h. 49m.	230.
WEDNESDAY, 18th.	☉ N 13° 1'. M 15h. 37m.	*231.
THURSDAY, 19th.	☉ N 12° 8'. M 16h. 25m.	232. Obs.—Send curves and tabulations.
FRIDAY, 20th.	☉ N 12° 5'. M 17h. 13m.	*233.
SATURDAY, 21st.	☉ N 12° 1'. M 18h. 1m. ☾ First quarter 10h. 52m.	234. Obs.—Close Journal, 33.

Times of Sunrise, Noon and Sunset, G.M.T., August 15th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 36	12 17	19 58	Cahirciveen	5 26	12 46	20 6
Aberdeen ...	4 35	12 13	19 50	Richmond ...	4 45	12 4	19 23
Eskdalemuir	4 52	12 16	19 40	Falmouth ...	5 9	12 24	19 39

Week 34. AUGUST 22ND TO AUGUST 28TH, 1920. Days 235 to 241.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary. Last week of Summer Quarter.
SUNDAY, AUGUST 22nd. ☉ N 11° 8'. M 18h. 49m.	*235. Post Weekly Returns.
MONDAY, 23rd. ☉ N 11° 5'. M 19h. 37m. 1853. First meeting of Maritime Conference at Brussels.	236. Post Anemograms. Post Barograms.
TUESDAY, 24th. ☉ N 11° 1'. M 20h. 24m. St. Bartholomew. 79. Eruption of Vesuvius.	*237.
WEDNESDAY, 25th. ☉ N 10° 8'. M 21h. 11m. 1919. Regular Air Service between London and Paris inaugurated.	238.
THURSDAY, 26th. ☉ N 10° 4'. M 21h. 58m. 1883. Krakatoa eruption. 1912. Flood rainfall in East Anglia. More than 8 in. (203 mm.) rain near Norwich.—(Q.J. Vol. XXXIX.)	*239. Obs.—Send curves and tabu- lations.
FRIDAY, 27th. ☉ N 10° 1'. M 22h. 44m.	240.
SATURDAY, 28th. ☉ N 9° 7'. M 23h. 29m. 1859. Magnetic Storm.	*241. Obs.—Close Journal, 34.

Times of Sunrise, Noon and Sunset, G.M.T., August 22nd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 51	12 16	19 40	Cahirciveen	5 38	12 45	19 51
Aberdeen ...	4 49	12 11	19 33	Richmond...	4 56	12 2	19 7
Eskdalemuir	5 4	12 15	19 26	Falmouth ...	5 19	12 23	19 26

Week 35. AUGUST 29TH TO SEPTEMBER 5TH, 1920. Days 242 to 248.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary. First week of Autumn Quarter.
SUNDAY, AUGUST 29th. ☉ N 9° 4'. M — ☉ Full Moon 13h. 3m.	242. Post Weekly Returns.
MONDAY, 30th. ☉ N 9° 0'. M 0h. 15m. 55 B.C. Violent gale. Great damage to Julius Caesar's Fleet. (Date calculated by Halley.)— (LOWE.)	*243. M.O. Geophysical Journal, June Copy day. Post Anemograms. Post Barograms.
TUESDAY, 31st. ☉ N 8° 6'. M 1h. 1m. 1848. Publication in the "Daily News" of the earliest known telegraphic Daily Weather Report.—(Q.J.)	244. Sunshine Stations. Equi- noctial Cards (straight) to be used from Sept. 1st until Oct. 12th.
WEDNESDAY, SEPTEMBER 1st. ☉ N 8° 3'. M 1h. 48m.	*245.
THURSDAY, 2nd. ☉ N 7° 9'. M 2h. 37m. 1859. Magnetic Storm.	246. Obs.—Send curves and tabu- lations.
FRIDAY, 3rd. ☉ N 7° 6'. M 3h. 28m. 1860. First Telegraphic Daily Weather Report prepared at the Meteorological Department.	*247.
SATURDAY, 4th. ☉ N 7° 2'. M 4h. 21m. 1918. Issue to public of all Weather Reports (Daily, Weekly and Monthly) suspended.	248. Post Monthly Climato- logical Returns. Obs.—Close Journal, 35.

Times of Sunrise, Noon and Sunset, G.M.T., August 29th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	5 7	12 13	19 19	Cahirciveen	5 49	12 43	19 36
Aberdeen ...	5 5	12 10	19 14	Richmond...	5 8	12 1	18 54
Eskdalemuir	5 18	12 13	19 8	Falmouth ..	5 30	12 21	19 12

Week 36. SEPTEMBER 5TH TO SEPTEMBER 11TH, 1920. Days 249 to 255.

Astronomical and Historical Notes. Sun's declination ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, SEPTEMBER 5th. ☉ N 6·8°. M 5h. 17m. ☾ Last quarter 19h. 5m. 1862. Glaisher and Coxwell ascended in a balloon from Wolverhampton to an altitude estimated at 7 miles above the earth.	*249. Post Weekly Returns.
MONDAY, 6th. ☉ N 6·5°. M 6h. 15m. 1865. Hurricane devastated Guadeloupe. Baro- meter fell 57 mb. in 70 m.—(Buchan, Handy Book of Meteorology, p. 266.) 1766. John Dalton, Natural Philosopher, b. [d. 27 July 1844].	250. Post Anemograms. Post Barograms.
TUESDAY, 7th. ☉ N 6·1°. M 7h. 14m.	*251.
WEDNESDAY, 8th. ☉ N 5·7°. M 8h. 12m.	252. Balloon day.
THURSDAY, 9th. ☉ N 5·3°. M 9h. 9m.	*253. Obs.—Send curves and tabu- lations. Balloon day.
FRIDAY, 10th. ☉ N 4·9°. M 10h. 4m. 1903. Beginning of two days' Circular Storm: wind velocity 28·6 m/s (64 mi/hr), Scilly.	254. Balloon day.
SATURDAY, 11th. ☉ N 4·6°. M 10h. 57m.	*255. Obs.—Close Journal, 36.

Times of Sunrise, Noon and Sunset, G.M.T., September 5th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 21	12 11	19 0	Cahirciveen	6 0	12 40	19 19
Aberdeen	5 19	12 7	18 55	Richmond	5 20	11 59	18 38
Eskdalemuir	5 31	12 11	18 51	Falmouth	5 42	12 19	18 56

Week 37. SEPTEMBER 12TH TO SEPTEMBER 18TH, 1920. Days 256 to 262.

Astronomical and Historical Notes. Sun's declination ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, SEPTEMBER 12th. ☉ N 4·2°. M 11h. 48m. ☾ New Moon 12h. 52m.	256. Post Weekly Returns.
MONDAY, 13th. ☉ N 3·8°. M 12h. 38m.	*257. Post Anemograms. Post Barograms. M.O.—Quarterly issue of forms.
TUESDAY, 14th. ☉ N 3·4°. M 13h. 27m. 1769. Alexander von Humboldt, Geographer, b. [d. 6 May 1859]. 1752. "New Style" introduced in England. 14th followed 2nd September.	258.
WEDNESDAY, 15th. ☉ N 3·0°. M 14h. 16m. 1784. First balloon ascent made in England (Artillery Ground, Moorfields) by Lunardi.	*259.
THURSDAY, 16th. ☉ N 2·6°. M 15h. 4m. 1863. First Daily Weather Map for Europe issued by Leverrier, of the Bureau Central Météorologique, Paris.	260. Obs.—Send curves and tabu- lations.
FRIDAY, 17th. ☉ N 2·3°. M 15h. 53m. 1917. Summer Time ended.	*261.
SATURDAY, 18th. ☉ N 1·9°. M 16h. 42m. 1919. World's Height Record in an Aeroplane achieved in America by Mr. Roland Rohlfs, who reached a height of 34,610 ft. in a Curtiss Triplane.	262. Obs.—Close Journal, 37.

Times of Sunrise, Noon and Sunset, G.M.T., September 12th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 37	12 9	18 40	Cahirciveen	6 11	12 38	19 4
Aberdeen	5 33	12 5	18 36	Richmond	5 30	11 56	18 22
Eskdalemuir	5 44	12 8	18 32	Falmouth	5 51	12 16	18 41

Week 38. SEPTEMBER 19TH TO SEPTEMBER 25TH, 1920. Days 263 to 269.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, SEPTEMBER 19th.	☉ N 1° 5'. M 17h. 30m.	*263. Post Weekly Returns.
MONDAY, 20th.	☉ N 1° 1'. M 18h. 18m. ☾ First quarter 4h. 55m.	264. Post Anemograms. Post Barograms.
TUESDAY, 21st. St. Matthew.	☉ N 0° 7'. M 19h. 5m.	*265.
WEDNESDAY, 22nd.	☉ N 0° 3'. M 19h. 51m. 1885. Bar. 27·135 in. (917 mb.), at False Point, Orissa [reduced to sea level and temp. 32° F]. —(Q.J.)	266.
THURSDAY, 23rd. Autumnal equinox, 1762. James Horsburgh b. [d. 14 May 1836].	☉ S 0° 1'. M 20h. 37m.	*267. Obs.—Send curves and tabulations.
FRIDAY, 24th.	☉ S. 0° 4'. M 21h. 23m.	268.
SATURDAY, 25th. 1909. Magnetic Storm. 1905. Barometer 27·171 in. (918 mb.), on board s.s. "Pathfinder" 12° 10' N., 125° 31' E.— (Q.J. 1909.)	☉ S 0° 8'. M 22h. 8m.	*269. Obs.—Close Journal, 38.

Times of Sunrise, Noon and Sunset, G.M.T., September 19th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 51	12 6	18 21	Cahirciveen	6 22	12 35	18 48
Aberdeen	5 47	12 2	18 17	Richmond	5 41	12 24	18 6
Eskdalemuir	5 58	12 6	18 14	Falmouth	6 1	12 14	18 26

Week 39. SEPTEMBER 26TH TO OCTOBER 2ND, 1920. Days 270 to 276.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, SEPTEMBER 26th.	☉ S 1° 2'. M 22h. 55m.	*270. Post Weekly Returns.
MONDAY, 27th.	☉ S 1° 6'. M 23h. 42m.	*271. Post Anemograms. Post Barograms.
TUESDAY, 28th.	☉ S 2° 0'. M — — Full Moon 1h. 57m. 1919. Summer Time ended.	272.
WEDNESDAY, 29th.	☉ S 2° 4'. M 0h. 31m. Michaelmas Day. 1918. Summer Time ended.	*273.
THURSDAY, 30th.	☉ S 2° 8'. M 1h. 23m. 1867. First Thermograph record from Kew Obs. Indian Summer, North America, begins. 1916. Summer Time ended. P.O. and Railway clocks put back one hour. 1919. Frost in the screen at Kew Obs. (earliest on record for second half of the year).	274. M.O.—Geophysical Journal, July Copy day. Obs.—Send curves and tabulations.
FRIDAY, OCTOBER 1st.	☉ S 3° 2'. M 2h. 16m. 1904. Ben Nevis Observatory closed. 1866. Bahamas. Barometer fell 24 mb. in an hour. —(BUCHAN.)	*275.
SATURDAY, 2nd.	☉ S 3° 5'. M 3h. 13m.	276. Obs.—Close Journal, 39.

Times of Sunrise, Noon and Sunset, G.M.T., September 26th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	6 6	12 3	18 0	Cahirciveen	6 34	12 32	18 30
Aberdeen	6 1	11 59	17 57	Richmond	5 52	11 51	17 50
Eskdalemuir	6 11	12 4	17 57	Falmouth	6 12	12 16	18 20

Week 40. OCTOBER 3RD TO OCTOBER 9TH, 1920. Days 277 to 283.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, OCTOBER 3rd.	☉ S 3° 9'. M 4h. 10m.	Post Weekly Returns. *277.
MONDAY, 4th.	☉ S 4° 3'. M 5h. 9m.	Post Anemograms. 278. Post Barograms. Post Monthly Climatological Returns.
TUESDAY, 5th.	☉ S 4° 7'. M 6h. 7m. (Last quarter 0h. 54m.) 1091. S.W. gale over most of England. In London 500 houses were destroyed.—(LOWE.)	*279.
WEDNESDAY, 6th.	☉ S 5° 1'. M 7h. 3m. 1803. Heinrich Wilhelm Dove, Author of "the Law of Storms" b. [d. 4 Apr. 1879]. 1863. Hereford earthquake.—(Q.J.)	280.
THURSDAY, 7th.	☉ S 5° 5'. M 7h. 57m.	*281. Obs.—Send curves and tabulations. Balloon day.
FRIDAY, 8th.	☉ S 5° 9'. M 8h. 49m.	282.
SATURDAY, 9th.	☉ S 6° 3'. M 9h. 40m.	Obs.—Close Journal, 40. *283.

Times of Sunrise, Noon and Sunset, G.M.T., October 3rd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	6 23	12 1	17 39	Cahiriveen	6 45	12 30	18 14
Aberdeen ...	6 16	11 57	17 38	Richmond ...	6 4	11 49	17 34
Eskdalemuir	6 24	12 1	17 38	Falmouth ...	6 24	12 10	17 55

Week 41. OCTOBER 10TH TO OCTOBER 16TH, 1920. Days 284 to 290.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, OCTOBER 10th.	☉ S 6° 6'. M 10h. 29m. 1731. Henry Cavendish, Natural Philosopher, b. [d. 10th March 1810]. 1817. Buys Ballot, Dutch Meteorologist, b. [d. 3rd Feb. 1890].	Post Weekly Returns. 284.
MONDAY, 11th.	☉ S 7° 0'. M 11h. 18m. 1916. Exceedingly heavy rain in W. Highlands, 208 mm. (8.20 in.), at Kinlochquoich, Inverness- shire; up to that date the largest daily fall recorded in any part of the United Kingdom. (See also June 28.)	Post Anemograms. *285. Post Barograms.
TUESDAY, 12th.	☉ S 7° 4'. M 12h. 6m. ● New Moon 0h. 50m.	286. Sunshine stations. Winter cards to be used from 13th Oct. and until 28th Feb. 1921.
WEDNESDAY, 13th.	☉ S 7° 7'. M 12h. 55m. 1881. Two days' gale over British Isles began.	*287.
THURSDAY, 14th.	☉ S 8° 1'. M 13h. 44m. 1788. Sir Edward Sabine, Meteorologist and Magnetician, b. [d. 26th June 1883]. 1881. Gale ended. Greatest hourly wind velocity 23.3 m/s (52 mi/hr), Holyhead.	288. Obs.—Send curves and tabulations.
FRIDAY, 15th.	☉ S 8° 5'. M 14h. 33m. 1582. New Style introduced in Rome, Spain, Portugal, and part of Italy by Pope Gregory XIII. when the 15th October followed the 5th.	*289.
SATURDAY, 16th.	☉ S 8° 9'. M 15h. 22m. 1906. Daily telegraphic reports first received at the Meteorological Office from Iceland and the Farøe Is.	290. Obs.—Close Journal, 41.

Times of Sunrise, Noon and Sunset, G.M.T., October 10th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	6 39	11 59	17 19	Cahiriveen	6 58	12 28	17 58
Aberdeen ...	6 30	11 55	17 19	Richmond ...	6 15	11 47	17 18
Eskdalemuir	6 44	11 59	17 14	Falmouth ...	6 34	12 7	17 40

Week 42. OCTOBER 17TH TO OCTOBER 23RD, 1920. Days 291 to 297.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M. Last week of Wheat-growing period Western Australia. (Meteorological Map, Western Australia 1908.)		Diary.
SUNDAY, OCTOBER 17th. ☉ S 9° 2'. M 16h. 10m. 1883. Ben Nevis Observatory opened.		*291. Post Weekly Returns.
MONDAY, 18th. ☉ S 9° 6'. M 16h. 58m.		292. Post Anemograms. Post Barograms.
TUESDAY, 19th. ☉ S 10° 0'. M 17h. 44m.		*293.
WEDNESDAY, 20th. ☉ S 10° 3'. M 18h. 30m. First quarter 0h. 29m.		294.
THURSDAY, 21st. ☉ S 10° 7'. M 19h. 15m.		*295. Obs.—Send curves and tabu- lations.
FRIDAY, 22nd. ☉ S 11° 0'. M 20h. 0m. 1819. Henry Toynbee, Marine Superintendent, M.O., b. [d. 29th Mar. 1909].		296.
SATURDAY, 23rd. ☉ S 11° 4'. M 20h. 45m.		*297. Obs.—Close Journal, 42.

Times of Sunrise, Noon and Sunset, G.M.T., October 17th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	6 54	11 59	17 1	Cahiriveen	7 10	12 26	17 42
Aberdeen ...	6 46	11 54	17 1	Richmond ...	6 27	11 45	17 3
Eskdalemuir	6 15	11 38	17 1	Falmouth ...	6 45	12 6	17 26

Week 43. OCTOBER 24TH TO OCTOBER 30TH, 1920. Days 298 to 304.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, OCTOBER 24th. ☉ S 11° 7'. M 21h. 32m. 1902. Santa Maria eruption.		298. Post Weekly Returns.
MONDAY, 25th. ☉ S 12° 1'. M 22h. 20m.		*299. Post Anemograms. Post Barograms.
TUESDAY, 26th. ☉ S 12° 4'. M 23h. 12m.		300.
WEDNESDAY, 27th. ☉ S 12° 8'. M — Full Moon 14h. 9m. 1913. Tornadoes in South Wales and Shropshire. —(G.M. 11.)		*301.
THURSDAY, 28th. ☉ S 13° 1'. M 0h. 6m.		302. Obs.—Send curves and tabu- lations.
FRIDAY, 29th. ☉ S 13° 4'. M 1h. 2m. 1656. Edmund Halley, Magnetician, Astronomer and Meteorologist, b. [d. 14th Jan. 1724]. 1898. Tornado at Camberwell.—(Q.J.)		*303.
SATURDAY, 30th. ☉ S 13° 8'. M 2h. 2m. 1868. Hereford earthquake.—(S.M.)		304. M.O.—Geophysical Journal, August Copy day. Obs.—Close Journal, 43.

Times of Sunrise, Noon and Sunset, G.M.T., October 24th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	7 10	11 56	16 42	Cahiriveen	7 23	12 25	17 28
Aberdeen ...	7 1	11 53	16 44	Richmond ...	6 39	11 44	16 49
Eskdalemuir	7 6	11 56	16 46	Falmouth ...	6 57	12 5	17 12

Week 44. OCTOBER 31ST TO NOVEMBER 6TH, 1920. Days 305 to 311.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, OCTOBER 31st. ☉ S 14° 1'. M 3h. 2m.	*305. Post Weekly Returns.
MONDAY, NOVEMBER 1st. ☉ S 14° 4'. M 4h. 1m. 1828. Balfour Stewart, Magnetician and Solar Physicist, Superintendent of Kew Observatory, b. [d. 19 Dec. 1887].	306. Post Anemograms. Post Barograms. <i>M.O. Discussion Sir N. Shaw Bjerknes</i>
TUESDAY, 2nd. ☉ S 14° 7'. M 4h. 59m. 1826. Henry John Stephen Smith, Mathema- tician, Chairman of Meteorological Council, b. [d. 9 Feb. 1883].	*307.
WEDNESDAY, 3rd. ☉ S 15° 0'. M 5h. 54m. ☾ Last quarter 7h. 35m.	308.
THURSDAY, 4th. ☉ S 15° 3'. M 6h. 46m.	*309. Obs.—Send Curves and tabu- lations. Post Monthly Climato- logical Returns. Balloon day.
FRIDAY, 5th. ☉ S 15° 7'. M 7h. 36m. 1855. Léon Philippe Teisserenc de Bort, Mag- netician and Meteorologist, b. [d. 2 Jan. 1913]. Strongest gust of 1911, 40·2 m/s (90 mi/hr), Eskdalemuir.	310.
SATURDAY, 6th. ☉ S 16° 0'. M 8h. 25m.	*311. Obs.—Close Journal, 44.

Times of Sunrise, Noon and Sunset, G.M.T., October 31st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	7 28	11 56	16 24	Cahiriveen ...	7 35	12 25	17 15
Aberdeen ...	7 17	11 52	16 26	Richmond ...	6 52	11 44	16 35
Eskdalemuir ...	7 20	11 55	16 30	Falmouth ...	7 9	12 4	16 59

Week 45. NOVEMBER 7TH TO NOVEMBER 13TH, 1920. Days 312 to 318.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, NOVEMBER 7th. { ☉ S 16° 3'. M 9h. 13m.	312. Post Weekly Returns.
MONDAY, 8th. ☉ S 16° 6'. M 10h. 0m.	*313. Post Anemograms. Post Barograms.
TUESDAY, 9th. ☉ S 16° 8'. M 10h. 48m.	314.
WEDNESDAY, 10th. ☉ S 17° 1'. M 11h. 36m. ● New Moon 16h. 5m.	*315.
THURSDAY, 11th. ☉ S 17° 4'. M 12h. 25m.	316. Obs.—Send curves and tabu- lations.
FRIDAY, 12th. ☉ S 17° 7'. M 13h. 14m. 1897. 8·03 in. (204 mm.) rain at Seathwaite.	*317.
SATURDAY, 13th. ☉ S 17° 9'. M 14h. 3m. 1919. Commencement of a spell of three days of intense cold at Scotland. Maximum temperature at Aberdeen below 25° F. (269a) throughout.	318. Obs.—Close Journal, 45.

Times of Sunrise, Noon and Sunset, G.M.T., November 7th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	7 44	11 56	16 8	Cahiriveen ...	7 47	12 25	17 3
Aberdeen ...	7 31	11 51	16 11	Richmond ...	7 4	11 44	16 23
Eskdalemuir ...	7 36	11 51	16 16	Falmouth ...	7 21	12 4	16 47

Week 46. NOVEMBER 14TH TO NOVEMBER 20TH, 1920. Days 319 to 325.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
<p>SUNDAY, NOVEMBER 14th. { ☉ S 18° 2'. M 14h. 51m. 1896. First International balloon ascents for Meteorological investigation. 1919. Minimum Temperature at Balmoral, -6° F. (252a).</p>		Post Weekly Returns. *319.
<p>MONDAY, 15th. ☉ S 18° 5'. M 15h. 38m.</p>		Post Anemograms. 320. Post Barograms.
<p>TUESDAY, 16th. ☉ S 18° 7'. M 16h. 24m. 1893. Beginning of five days' great storm over the British Isles: wind velocity, 21 m/s. (47 mi/hr), Holyhead. 1878. Greatest flood in Norwich since 1646 [Nov. 15].—Woodward, Geol. Survey Memoir.</p>		*321.
<p>WEDNESDAY, 17th. ☉ S 19° 0'. M 17h. 9m. 1840. Fourth Earl of Rosse, Astronomer, b. [d. 30 Aug. 1908].</p>		322.
<p>THURSDAY, 18th. ☉ S 19° 2'. M 17h. 53m. First quarter 20h. 13m. 1918. Issue of Weather Reports to newspapers resumed.</p>		Obs.—Send curves and tabulations. *323.
<p>FRIDAY, 19th. ☉ S 19° 4'. M 18h. 37m.</p>		324.
<p>SATURDAY, 20th. ☉ S 19° 7'. M 19h. 22m. 1918. Current issue of Daily Weather Report resumed.</p>		Obs.—Close Journal, 46. *325.

Times of Sunrise, Noon and Sunset, G.M.T., November 14th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 0	11 57	15 53	Cahirciveen	8 1	12 26	16 51
Aberdeen	7 49	11 56	15 56	Richmond	7 16	11 44	16 12
Eskdalemuir	7 51	11 57	16 3	Falmouth	7 32	12 5	16 37

Week 47. NOVEMBER 21ST TO NOVEMBER 27TH, 1920. Days 326 to 332.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
<p>SUNDAY, NOVEMBER 21st. { ☉ S 19° 9'. M 20h. 8m.</p>		Post Weekly Returns. 326.
<p>MONDAY, 22nd. ☉ S 20° 1'. M 20h. 57m. 1915. Issue of Gale Warnings to public suspended.</p>		Post Anemograms. *327. Post Barograms.
<p>TUESDAY, 23rd. ☉ S 20° 3'. M 21h. 49m.</p>		328.
<p>WEDNESDAY, 24th. ☉ S 20° 5'. M 22h. 45m. 1715. Fair on the river Thames. Frost lasted till February 9th, 1716.—(LOWE.)</p>		*329.
<p>THURSDAY, 25th. ☉ S 20° 7'. M 23h. 44m. 1890. Frost commenced and continued almost uninterruptedly until Jan. 22nd, 1891.—(Q.J., 1901.)</p>		Obs.—Send curves and tabulations. 330.
<p>FRIDAY, 26th. ☉ S 20° 9'. — Full Moon 1h. 42m. 1703. Defoe's Great Storm, South of England.—(Phil. Trans.) Birthday of the Queen of Norway.</p>		Flag day. *331.
<p>SATURDAY, 27th. ☉ S 21° 1'. M 0h. 46m. 1701. Anders Celsius, Physicist, b. [d. 25 April, 1744].</p>		Obs.—Close Journal, 47. 332.

Times of Sunrise, Noon and Sunset, G.M.T., November 21st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 16	11 58	15 40	Cahirciveen	8 12	12 27	16 42
Aberdeen	8 4	11 54	15 44	Richmond	7 28	11 46	16 3
Eskdalemuir	8 5	12 0	15 55	Falmouth	7 43	12 6	16 28

Week 48. NOVEMBER 28TH TO DECEMBER 4TH, 1920. Days 333 to 339.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	First week of Winter Quarter.
SUNDAY, NOVEMBER 28th. ADVENT SUNDAY. 1772. Luke Howard, Schoolmaster and Meteorologist, b. [d. 21 Mar. 1864].	*333. Post Weekly Returns.
MONDAY, 29th.	334. Post Anemograms. Post Barograms.
TUESDAY, 30th. St. Andrew.	*335. M.O.—Geophysical Journal, September Copy day.
WEDNESDAY, DECEMBER 1st. Birthday of Queen Alexandra.	336. Issue to Fishery Barometer Stations of Forms 335 and 073. Flag day.
THURSDAY, 2nd.	*337. Obs.—Send curves and tabu- lations. Balloon day.
FRIDAY, 3rd.	338.
SATURDAY, 4th.	*339. Obs.—Close Journal, 48. Post Monthly Climato- logical Returns.

Times of Sunrise, Noon and Sunset, G.M.T., November 28th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 33	12 0	15 27	Cahirciveen	8 24	12 29	16 34
Aberdeen	8 19	11 57	15 34	Richmond	7 40	11 48	15 56
Eskdalemuir	8 18	12 0	15 42	Falmouth	7 54	12 8	16 22

Week 49. DECEMBER 5TH TO DECEMBER 11TH, 1920. Days 340 to 346.

Astronomical and Historical Notes.	Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	
SUNDAY, DECEMBER 5th.	340. Post Weekly Returns.
MONDAY, 6th.	*341. Post Anemograms. Post Barograms.
TUESDAY, 7th.	342.
WEDNESDAY, 8th.	*343.
THURSDAY, 9th.	344. Obs.—Send curves and tabu- lations.
FRIDAY, 10th.	*345.
SATURDAY, 11th.	346. Obs.—Close Journal, 49.

Times of Sunrise, Noon and Sunset, G.M.T., December 5th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 45	11 45	15 21	Cahirciveen	8 33	12 32	16 30
Aberdeen	8 20	11 54	15 28	Richmond	7 40	11 46	15 51
Eskdalemuir	8 29	12 3	15 37	Falmouth	7 58	12 8	16 17

Week 50. DECEMBER 12TH TO DECEMBER 18TH, 1920. Days 347 to 353.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, DECEMBER 12th.	{ ☉ S 23° 1'. M 13h. 34m.	*347. Post Weekly Returns.
MONDAY, 13th.	☉ S 23° 2'. M 14h. 20m. 1805. Johann von Lamont, Meteorologist, b. [d. 6 Aug. 1879].	348. Post Anemograms. Post Barograms.
TUESDAY, 14th.	☉ S 23° 2'. M 15h. 5m. Birthday of Prince Albert.	*349. Flag day.
WEDNESDAY, 15th.	☉ S 23° 3'. M 15h. 49m.	350.
THURSDAY, 16th.	☉ S 23° 3'. M 16h. 32m. 1911. R. Amundsen, Norwegian Explorer, at the South Pole.	*351. Obs.—Send curves and tabu- lations.
FRIDAY, 17th.	☉ S 23° 4'. M 17h. 16m. 1896. Hereford earthquake.—(DAVISON.) 1774. Sir Francis Bæaufort b. [d. 1857].	352.
SATURDAY, 18th.	☉ S 23° 4'. M 18h. 0m. D First quarter 14h. 40m.	*353. Obs.—Close Journal, 50.

Times of Sunrise, Noon and Sunset, G.M.T., December 12th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 55	12 5	15 16	Cahirciveen	8 42	12 35	16 27
Aberdeen	8 39	12 2	15 25	Richmond	7 58	11 54	15 49
Eskdalemuir	8 32	12 6	15 40	Falmouth	7 12	11 44	16 15

Week 51. DECEMBER 19TH TO DECEMBER 25TH, 1920. Days 354 to 360.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, DECEMBER 19th.	{ ☉ S 23° 4'. M 18h. 46m.	354. Post Weekly Returns.
MONDAY, 20th.	☉ S 23° 4'. M 19h. 35m. Birthday of Prince George. 1896. "Barometer 31.717 in. at Irkutsk" (1003.5 mb. at station level reduced to 1072 mb. sea level).	*355. Post Anemograms. Post Barograms. Flag day.
TUESDAY, 21st.	☉ S 23° 4'. M 20h. 27m. St. Thomas. St. Lucia.	356.
WEDNESDAY, 22nd.	☉ S 23° 4'. M 21h. 24m. Winter Solstice.	*357.
THURSDAY, 23rd.	☉ S 23° 4'. M 22h. 24m.	358. Obs.—Send curves and tabu- lations.
FRIDAY, 24th.	☉ S 23° 4'. M 23h. 26m. 1736. Very high tide in London; the River Thames flowed into Westminster Hall.— (Baker's "Record of the Seasons.") 1818. James Prescott Joule, Physicist, b. [d. Oct. 11, 1889].	*359.
SATURDAY, 25th.	☉ S 23° 4'. M — CHRISTMAS DAY. ☉ Full Moon 12h. 39m. 1860. Carstairs. Exposed therm. fell to — 20° F. —(BUCHAN.) Buxton. "Temp. 4 ft. above ground was 8° below zero, and on the grass 13.8° below zero, or 45.8° of frost."—Mr. G. T. LOWE in "The Times."	360. Obs.—Close Journal, 51.

Times of Sunrise, Noon and Sunset, G.M.T., December 19th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	9 2	12 9	15 16	Cahirciveen	8 48	12 38	16 28
Aberdeen	8 46	12 6	15 25	Richmond	8 4	11 57	15 50
Eskdalemuir	8 44	12 9	15 34	Falmouth	8 18	11 48	15 17

Week 52. DECEMBER 26TH, 1920, TO Days 361 (1920)
JANUARY 1ST, 1921. to 1 (1921)

Astronomical and Historical Notes.			Diary.		
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.					
SUNDAY, DECEMBER 26th.			*361. Post Weekly Returns.		
St. Stephen.					
MONDAY, 27th.			362. Post Anemograms. Post Barograms.		
St. John.					
1852. Barometer 27.98 in. (949 mb.), at Culloden.					
TUESDAY, 28th.			*363.		
Innocents Day.					
1879. Tay Bridge Storm.					
1908. Messina Earthquake.					
WEDNESDAY, 29th.			364.		
THURSDAY, 30th.			*365. Obs.—Send curves and tabulations.		
FRIDAY, 31st.			366. M.O.—Geophysical Journal, October Copy day.		
SATURDAY, JANUARY 1st.			*1. Obs.—Close Journal, 52.		

Times of Sunrise, Noon and Sunset, G.M.T., December 26th.

	h. m.				h. m.		
Wick	9	5	12 13	Cahiriveen	8	51	12 42
Aberdeen	8	50	12 9	Richmond	8	7	12 0
Eskdalemuir	8	47	12 26	Falmouth	8	21	11 51

DATES OF BEGINNING OF THE YEAR AND SEASONS OF THE WEEKLY WEATHER REPORTS, VOLS. XXXIX TO LXIII.

Year.	Year of Weekly Report and date of beginning.	No. of weeks in year.	Spring begins.	Summer begins.	Autumn begins.	Winter begins.
1916	XXXIX. Jan. 2nd ...	52	Feb. 26th*	June 4th	Sept. 3rd	Dec. 3rd
1917	XL. Dec. 31st ...	52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
1918	XLI. Dec. 30th ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
1919	XLII. Dec. 29th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
1920	XLIII. Jan. 4th ...	52	Feb. 29th	May 30th	Aug. 29th	Nov. 28th
				* Spring	14 weeks.	
1921	XLIV. Jan. 2nd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1922	XLV. Jan. 1st ...	52	Feb. 26th	May 28th*	Sept. 3rd	Dec. 3rd
1923	XLVI. Dec. 31st ...	52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
1924	XLVII. Dec. 30th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
1925	XLVIII. Jan. 4th ...	52	Mar. 1st	May 31st	Aug. 30th	Nov. 29th
				* Summer	14 weeks.	
1926	XLIX. Jan. 3rd ...	52	Feb. 28th	May 30th	Aug. 29th	Nov. 28th
1927	L. Jan. 2nd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1928	LI. Jan. 1st ...	52	Feb. 26th	May 28th	Aug. 27th*	Dec. 3rd
1929	LII. Dec. 30th ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
1930	LIII. Dec. 29th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
				* Autumn	14 weeks.	
1931	LIV. Jan. 4th ...	52	Mar. 1st	May 31st	Aug. 30th	Nov. 29th
1932	LV. Jan. 3rd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1933	LVI. Jan. 1st ...	52	Feb. 26th	May 28th	Aug. 27th	Nov. 26th*
1934	LVII. Dec. 31st ...	52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
1935	LVIII. Dec. 30th ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
				* Winter	14 weeks.	
1936	LIX. Dec. 29th ...	53	Mar. 1st	May 31st	Aug. 30th	Nov. 29th
1937	LX. Jan. 3rd ...	52	Feb. 28th	May 30th	Aug. 29th	Nov. 28th
1938	LXI. Jan. 2nd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1939	LXII. Jan. 1st ...	52	Feb. 26th*	June 4th	Sept. 3rd	Dec. 3rd
1940	LXIII. Dec. 31st ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st

TABLE OF SUN-SPOT NUMBERS. 1749-1918.

—	0	1	2	3	4	5	6	7	8	9
1740 ...										81
1750 ...	83	48	48	31	12	10	10	32	48	54
1760 ...	63	86	61	45	36	21	11	38	70	106
1770 ...	101	82	66	35	31	7	20	92	154	126
1780 ...	85	68	38	23	10	24	83	132	131	118
1790 ...	90	67	60	47	41	21	16	6	4	7
1800 ...	14	34	45	43	48	42	28	10	8	2
1810 ...	0	1	5	12	14	35	46	41	30	24
1820 ...	16	7	4	2	8	17	39	50	62	67
1830 ...	71	48	28	8	13	57	122	138	103	86
1840 ...	63	37	24	11	15	40	62	98	124	96
1850 ...	66	65	54	39	21	7	4	23	55	94
1860 ...	96	77	59	44	47	30	16	7	37	74
1870 ...	139	111	102	66	45	17	11	12	3	6
1880 ...	32	54	60	64	64	52	25	13	7	6
1890 ...	7	36	73	85	78	64	42	26	27	12
1900 ...	10	3	5	24	42	64	54	62	49	44
1910 ...	19	6	4	1	10	46	55	99	78	

Mean Temperature, Daily Sunshine, and Rainfall
derived from weekly

Dist.	Temperature.			Sun- shine.	Rainfall.			Temperature.	Sun- shine.	Rainfall.					
	°F.	a.	hrs.	in.	mm.	°F.	a.	hrs.	in.	mm.	°F.	a.	hrs.	in.	mm.
JANUARY.															
N.	0	38.4	277	0.84	5.79	147	38.3	277	1.89	4.57	116				
E.	1	37.2	276	1.37	2.57	65	37.4	276	2.50	2.24	57				
	2	38.2	276	1.39	1.77	45	38.8	277	2.53	1.50	38				
	3	37.9	276	1.70	1.81	46	38.8	277	2.66	1.54	39				
	4	37.9	276	1.42	2.13	54	38.8	277	2.34	1.85	47				
	5	39.4	277	1.68	2.20	56	40.1	278	2.64	2.05	52				
W.	6	39.4	277	1.17	4.57	116	39.3	277	2.10	3.94	100				
	7	39.4	277	1.32	3.03	77	39.8	277	2.34	2.52	64				
	8	41.0	278	1.67	3.58	91	41.1	278	2.63	3.03	77				
	9	40.6	278	1.39	3.43	87	40.8	278	2.23	2.91	74				
	10	42.1	279	1.66	3.86	98	42.3	279	2.53	3.35	85				
S.	11	44.3	280	2.08	2.99	76	44.1	280	3.17	2.64	67				
FEBRUARY.															
N.	0	39.2	277	3.05	4.41	112	42.9	279	4.55	3.23	82				
E.	1	39.2	277	3.51	2.48	63	43.2	279	4.94	1.85	47				
	2	40.7	278	3.87	1.85	47	44.4	280	5.22	1.54	39				
	3	41.1	278	3.87	1.69	43	45.6	281	5.55	1.50	38				
	4	41.0	278	3.47	1.89	48	45.5	281	5.02	1.73	44				
	5	42.1	279	3.94	2.05	52	46.7	281	5.65	1.69	43				
W.	6	40.7	278	3.51	3.58	91	44.7	280	5.15	2.76	70				
	7	41.3	278	3.56	2.56	65	45.4	280	5.21	2.05	52				
	8	42.6	279	3.96	2.99	76	46.5	281	5.53	2.36	60				
	9	42.0	279	3.35	2.95	75	45.5	281	4.89	2.40	61				
	10	43.4	279	3.84	3.15	80	46.9	281	5.38	2.60	66				
S.	11	45.3	280	4.70	2.52	64	48.7	282	6.39	1.93	49				
MARCH.															
N.	0	48.1	282	5.36	2.80	71	52.4	284	5.17	2.72	69				
E.	1	48.2	282	5.76	2.24	57	53.7	285	6.03	2.13	54				
	2	49.4	283	6.10	1.93	49	55.2	286	6.20	2.01	51				
	3	51.3	284	6.65	1.81	46	57.1	287	6.86	2.01	51				
	4	51.0	284	5.87	2.09	53	56.8	287	6.20	2.20	56				
	5	52.2	284	6.90	1.77	45	57.7	287	7.20	1.89	48				
W.	6	49.7	283	6.16	2.91	74	55.0	286	6.32	2.87	73				
	7	50.5	283	6.27	2.28	58	56.0	286	6.51	2.40	61				
	8	51.6	284	6.58	2.24	57	56.7	287	6.79	2.36	60				
	9	50.1	283	5.88	2.48	63	55.0	286	5.54	2.72	69				
	10	51.6	284	6.47	2.56	65	56.6	287	5.99	2.64	67				
S.	11	53.0	285	7.78	1.89	48	57.7	287	7.92	1.77	45				
APRIL.															
N.	0	48.1	282	5.36	2.80	71	52.4	284	5.17	2.72	69				
E.	1	48.2	282	5.76	2.24	57	53.7	285	6.03	2.13	54				
	2	49.4	283	6.10	1.93	49	55.2	286	6.20	2.01	51				
	3	51.3	284	6.65	1.81	46	57.1	287	6.86	2.01	51				
	4	51.0	284	5.87	2.09	53	56.8	287	6.20	2.20	56				
	5	52.2	284	6.90	1.77	45	57.7	287	7.20	1.89	48				
W.	6	49.7	283	6.16	2.91	74	55.0	286	6.32	2.87	73				
	7	50.5	283	6.27	2.28	58	56.0	286	6.51	2.40	61				
	8	51.6	284	6.58	2.24	57	56.7	287	6.79	2.36	60				
	9	50.1	283	5.88	2.48	63	55.0	286	5.54	2.72	69				
	10	51.6	284	6.47	2.56	65	56.6	287	5.99	2.64	67				
S.	11	53.0	285	7.78	1.89	48	57.7	287	7.92	1.77	45				
MAY.															
N.	0	48.1	282	5.36	2.80	71	52.4	284	5.17	2.72	69				
E.	1	48.2	282	5.76	2.24	57	53.7	285	6.03	2.13	54				
	2	49.4	283	6.10	1.93	49	55.2	286	6.20	2.01	51				
	3	51.3	284	6.65	1.81	46	57.1	287	6.86	2.01	51				
	4	51.0	284	5.87	2.09	53	56.8	287	6.20	2.20	56				
	5	52.2	284	6.90	1.77	45	57.7	287	7.20	1.89	48				
W.	6	49.7	283	6.16	2.91	74	55.0	286	6.32	2.87	73				
	7	50.5	283	6.27	2.28	58	56.0	286	6.51	2.40	61				
	8	51.6	284	6.58	2.24	57	56.7	287	6.79	2.36	60				
	9	50.1	283	5.88	2.48	63	55.0	286	5.54	2.72	69				
	10	51.6	284	6.47	2.56	65	56.6	287	5.99	2.64	67				
S.	11	53.0	285	7.78	1.89	48	57.7	287	7.92	1.77	45				
JUNE.															
N.	0	48.1	282	5.36	2.80	71	52.4	284	5.17	2.72	69				
E.	1	48.2	282	5.76	2.24	57	53.7	285	6.03	2.13	54				
	2	49.4	283	6.10	1.93	49	55.2	286	6.20	2.01	51				
	3	51.3	284	6.65	1.81	46	57.1	287	6.86	2.01	51				
	4	51.0	284	5.87	2.09	53	56.8	287	6.20	2.20	56				
	5	52.2	284	6.90	1.77	45	57.7	287	7.20	1.89	48				
W.	6	49.7	283	6.16	2.91	74	55.0	286	6.32	2.87	73				
	7	50.5	283	6.27	2.28	58	56.0	286	6.51	2.40	61				
	8	51.6	284	6.58	2.24	57	56.7	287	6.79	2.36	60				
	9	50.1	283	5.88	2.48	63	55.0	286	5.54	2.72	69				
	10	51.6	284	6.47	2.56	65	56.6	287	5.99	2.64	67				
S.	11	53.0	285	7.78	1.89	48	57.7	287	7.92	1.77	45				

for twelve districts for the calendar months
normals for districts, 1881-1915.

Dist.	Temperature.		Sun- shine.	Rainfall.		Temperature.	Sun- shine.	Rainfall.			
	°F.	a.	hrs.	in.	mm.	°F.	a.	hrs.	in.	mm.	
JULY.						AUGUST.					
N.	0	54.7	286	4.18	3.35	85	54.6	286	3.69	4.18	106
E.	1	56.4	287	5.09	2.87	73	55.8	286	4.70	3.15	80
	2	58.6	288	5.87	2.52	64	58.2	288	5.27	2.60	66
	3	60.5	289	6.58	2.32	59	60.1	289	6.05	2.20	56
	4	59.8	288	5.86	2.44	62	59.0	288	5.43	2.56	65
	5	61.1	289	6.96	2.17	55	60.9	289	6.48	2.32	59
W.	6	57.1	287	5.73	3.46	88	56.6	287	4.99	4.41	112
	7	58.7	288	5.90	3.03	77	58.3	288	5.19	3.62	92
	8	59.7	288	6.39	2.95	75	59.4	288	6.04	3.31	84
	9	57.2	287	4.67	3.15	80	57.0	287	4.29	3.86	98
	10	58.9	288	5.22	3.11	79	58.5	288	4.97	3.86	98
S.	11	61.0	289	7.70	2.24	57	61.6	289	7.55	2.56	65
SEPTEMBER.						OCTOBER.					
N.	0	51.8	284	3.49	3.78	96	46.4	281	2.50	5.00	127
E.	1	52.3	284	4.06	2.24	57	46.5	281	2.80	3.27	83
	2	54.5	286	4.61	1.73	44	48.6	282	3.03	2.95	75
	3	56.2	286	5.15	1.89	48	49.6	283	3.33	2.61	67
	4	55.1	286	4.51	1.93	49	48.3	282	2.88	2.91	74
	5	57.3	287	5.43	2.13	54	50.8	283	3.44	3.46	88
W.	6	53.5	285	4.24	3.66	93	47.9	282	2.68	4.69	119
	7	55.1	286	4.46	2.76	70	49.2	283	2.85	3.82	97
	8	56.3	287	4.96	2.80	71	50.6	283	3.27	4.57	116
	9	54.1	285	3.85	2.95	75	48.6	282	2.87	3.70	94
	10	55.5	286	4.45	2.80	71	49.8	283	3.27	3.94	100
S.	11	59.3	288	6.11	2.40	61	54.0	285	3.97	4.14	105
NOVEMBER.						DECEMBER.					
N.	0	41.8	278	1.22	5.63	143	39.1	277	0.61	6.18	157
E.	1	41.1	278	1.73	3.11	79	37.9	276	1.04	3.11	79
	2	43.1	279	1.87	2.32	59	39.5	277	1.20	2.28	58
	3	43.5	279	2.12	2.32	59	39.5	277	1.33	2.28	58
	4	42.7	279	1.79	2.52	64	39.2	277	1.16	2.76	70
	5	44.9	280	2.15	3.07	78	41.3	278	1.44	3.11	79
W.	6	43.2	279	1.59	5.16	131	40.6	278	0.96	5.63	143
	7	44.0	280	1.73	3.66	93	40.8	278	1.04	3.74	95
	8	45.6	281	2.14	4.22	107	42.8	279	1.42	5.00	127
	9	44.0	280	1.95	3.86	98	41.4	278	1.20	4.06	103
	10	45.3	280	2.21	4.02	102	43.1	279	1.47	4.69	119
S.	11	49.3	283	2.43	3.98	101	46.3	281	1.76	4.29	109

Mean Temperature, Daily Sunshine, and aggregate Rainfall for twelve districts for the seasons and the year.

Dist.	Temperature.			Sun-shine.	Rainfall.			Temperature.	Sun-shine.	Rainfall.		
	°F.	a.	hrs.	in.	mm.		°F.	a.	hrs.	in.	mm.	
SPRING.						SUMMER.						
N.												
E.	0	43.5	279	4.44	10.05	255	54.0	285	4.28	10.32	262	
	1	44.1	280	4.88	6.54	166	55.4	286	5.21	8.19	208	
	2	45.3	280	5.20	5.24	133	57.6	287	5.74	7.09	180	
	3	46.6	281	5.52	5.00	127	59.4	288	6.45	6.42	163	
	4	46.1	281	4.93	5.59	142	58.6	288	5.79	7.13	181	
	5	47.7	282	5.63	5.32	135	60.1	289	6.84	6.30	160	
W.	6	45.5	281	5.09	9.14	232	56.3	287	5.62	10.75	273	
	7	46.2	281	5.16	6.74	171	57.7	287	5.81	9.10	231	
	8	47.5	282	5.51	7.37	187	58.6	288	6.36	8.75	222	
	9	46.2	281	4.85	7.60	193	56.5	287	4.76	9.69	246	
	10	47.7	282	5.37	8.04	204	58.1	288	5.33	9.49	241	
S.	11	49.5	283	6.46	6.11	155	60.3	289	7.68	6.54	166	
AUTUMN.						WINTER.						
N.												
E.	0	46.4	281	2.35	14.54	369	38.3	277	1.15	16.35	415	
	1	46.4	281	2.80	8.55	217	37.4	276	1.68	7.80	198	
	2	48.4	282	3.09	6.97	177	38.8	277	1.75	5.55	141	
	3	49.5	283	3.45	6.85	174	38.7	277	1.93	5.55	141	
	4	48.4	282	2.97	7.37	187	38.7	277	1.67	6.62	168	
	5	50.5	283	3.57	8.63	219	40.3	278	1.96	7.33	186	
W.	6	47.8	282	2.76	13.43	341	39.7	277	1.44	13.95	354	
	7	49.1	283	2.94	10.32	262	39.9	277	1.60	9.18	233	
	8	50.5	283	3.37	11.54	293	41.5	278	1.94	11.54	293	
	9	48.6	282	2.83	10.52	267	41.0	278	1.64	10.44	265	
	10	49.8	283	3.25	10.79	274	42.4	279	1.92	11.82	300	
S.	11	54.0	285	4.06	10.60	269	44.8	280	2.39	9.81	249	
		Dist.	Temperature.			Sun-shine.	Rainfall.					
			°F.	a.	hrs.	in.	mm.					
YEAR.												
N.												
E.	0	45.7	281	3.05	51.65	1311						
	1	45.9	281	3.63	31.28	794						
	2	47.5	282	3.93	25.02	635						
	3	48.4	282	4.32	24.03	610						
	4	48.0	282	3.83	27.03	686						
	5	49.6	283	4.49	27.93	709						
W.	6	47.3	282	3.72	47.67	1210						
	7	48.2	282	3.87	35.50	901						
	8	49.5	283	4.28	39.44	1001						
	9	48.0	282	3.51	38.49	977						
	10	49.5	283	3.96	40.58	1030						
S.	11	52.0	284	5.13	33.37	847						

AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON.

1921.

CALENDAR

WITH

NOTES AND DIARY OF OPERATIONS

FOR

THE USE OF OBSERVERS.

Issued by the Authority of the Meteorological Committee



LONDON:

PRINTED AND PUBLISHED BY

HIS MAJESTY'S STATIONERY OFFICE.

To be purchased through any Bookseller or directly from
H.M. STATIONERY OFFICE at the following addresses :
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and
28, ABINGDON STREET, LONDON, S.W.1 ;
37, PETER STREET, MANCHESTER ; 1, ST. ANDREW'S CRESCENT, CARDIFF ;
23, FORTH STREET, EDINBURGH ;
or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

1920.

Price 1s. 3d. Net.

METEOROLOGICAL OFFICE CALENDAR.

HISTORICAL NOTES.

Pressures quoted in absolute units.—In converting from inches to millibars pressure values given in previous editions, it has been assumed that the gravity correction had not been made.

Wind Velocities.—All velocities given are reduced to "factor 2.2," and are expressed in metres per second, m/s, with an alternative in miles per hour, mi/hr.

Holy Days.—The names of the Holy Days find a place in the Meteorological Calendar in view of their traditional association with the weather. The tradition survives in a few cases, such as St. Swithin's Day. For reference to others "Weather Lore," by Mr. R. Inwards, may be consulted.

DIARY.

The * symbol denotes that at the observatories the day so marked is a change-day for two-day sheets.

The note "post anemograms" is inserted each Monday, but when postal arrangements permit the anemograms should be posted on Sunday.

International Cloud Days.—Observations of cloud motion on the international plan should be made on each balloon day, and on the day preceding and succeeding.

Meteorological and Magnetic Year Book.—The Weekly Weather Report for each week is issued on the Friday of the following week. The Monthly Weather Report is due to be issued on the first day of the next month but one. Daily Readings at First and Second Order Stations are due on the last working day of the following month. The Geophysical Journal is due within three months of the close of its period. Hourly Readings for 1920 are to be published as an Annual Volume before the close of 1921.

The Meteorological Magazine.—(Symons's Meteorological Magazine incorporated with the Meteorological Office Circular) is issued on the 16th of each month.

LIST OF ABBREVIATIONS.

Weekly Weather Report ...	...	...	...	W.W.R.
Monthly Weather Report ...	...	...	...	M.W.R.
Geophysical Memoirs ...	...	...	...	G.M.
Quarterly Journal of the Royal Meteorological Society	...	...	...	Q.J.
Symons's Meteorological Magazine ...	...	...	...	S.M.
Forecasting Weather ...	...	...	...	F.W.
Life History of Surface Air Currents ...	...	...	...	L.H.

SOLAR HEAT.

The strength of the solar heat stream is supposed to vary from day to day. According to Abbot its mean value is—

$$\begin{aligned} &= 1.93 \text{ gm. cal. per cm}^2 \text{ per min.} \\ &= 135 \text{ milliwatts per cm}^2. \\ &= 32.4 \text{ kilowatt hours per m}^2 \text{ per diem.} \\ &= 11700 \text{ joules per diem per cm}^2. \end{aligned}$$

The accompanying table is derived from the last of these values by means of Zenker's table, in which allowance for the variation in the sun's distance is made, so that the figures represent $c \frac{a^2}{r^2} \int \cos z \, dt$ where c is the mean strength of the solar heat stream, z is the sun's zenith distance, r is the distance from the earth to the sun, a its mean value, and the integral is taken over the time the sun is above the horizon.

Gross Vertical Flow of Heat per diem towards the earth from outside the Atmosphere.				
Lat.			52°	56°
Joules per sq. cm.				
Jan. 15	...	...	781	539
Feb. 15	...	...	1326	1083
Mar. 15	...	...	2179	1961
April 15	...	...	3076	2923
May 15	...	...	3801	3732
June 15	...	...	4117	4096
July 15	...	...	3944	3906
Aug. 15	...	...	3323	3202
Sept. 15	...	...	2497	2303
Oct. 15	...	...	1597	1361
Nov. 15	...	...	927	692
Dec. 15	...	...	626	410

SUMMER TIME.

Since the year 1916, under the provisions of the Summer Time Act, clocks have been advanced during certain months to indicate one hour later than Greenwich Mean Time. The following list shows the dates between which Summer Time has been used in the British Isles.

1916.	May 21st to September 30th.
1917.	April 8th to September 16th.
1918.	March 24th to September 29th.
1919.	March 30th to September 28th.
1920.	March 28th to October 25th.

Week 52.	DECEMBER 26TH, 1920, TO JANUARY 1ST, 1921.	Days 361 (1920) to 1 (1921).
Astronomical and Historical Notes. Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, DECEMBER 26th. St. Stephen.	\odot S 23° 4'. M 0h. 30m.	*361. Post Weekly Returns.
MONDAY, 27th. St. John. 1852. Barometer 27·98 in. (949 mb.), at Culloden.	\odot S 23° 3'. M 1h. 31m.	362. Post Anemograms. Post Barograms.
TUESDAY, 28th. Innocents Day. 1879. Tay Bridge Storm. 1908. Messina Earthquake.	S 23° 3'. M 2h. 30m.	*363.
WEDNESDAY, 29th.	\odot S 23° 2'. M 3h. 25m.	364.
THURSDAY, 30th.	\odot S 23° 2'. M 4h. 18m.	*365. Obs.—Send curves and tabulations.
FRIDAY, 31st.	\odot S 23° 1'. M 5h. 8m.	366. M.O.—Geophysical Journal. October Copy day.
SATURDAY, JANUARY 1st.		*1. Obs.—Close Journal, 52.

Times of Sunrise, Noon and Sunset, G.M.T., December 26th.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Wick ...	9 5	12 13	15 20	Cahirciveen	8 51	12 42
Aberdeen ...	8 50	12 9	15 27	Richmond ...	8 7	12 0
Eskdalemuir	8 47	12 26	15 39	Falmouth ...	8 21	11 51

Week 1.	JANUARY 2ND TO JANUARY 8TH, 1921.	Days 2 to 8.
Astronomical and Historical Notes. Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, JANUARY 2nd.	\odot S 22° 9'. M 6h. 43m.	2. Post Weekly Returns.
MONDAY, 3rd.	\odot S 22° 9'. M 7h. 31m.	*3. Post Anemograms. Post Barograms.
TUESDAY, 4th.	\odot S 22° 8'. M 8h. 18m.	4.
WEDNESDAY, 5th.	\odot S 22° 6'. M 9h. 6m.	*5.
THURSDAY, 6th. EPIPHANY. Twelfth Day. 1861. Abbott Lawrence Rotch, Meteorologist, Founder of Blue Hill Observatory, b. [d. 7 Apr. 1912]. 1839. Beginning of two days' hurricane over British Isles. Many fatalities.	\odot S 22° 5'. M 9h. 55m.	6. Obs.—Send curves and tabulations. Balloon Day.
FRIDAY, 7th. 1881. Beginning of 21 days of severe frost. (Q.J.) 1839. End of two days' hurricane over British Isles. Barometer 27·69 in. (939 mb.) at Aberdeen.	\odot S 22° 4'. M 10h. 43m.	*7.
SATURDAY, 8th. 1820. Barometer 31·046 in. (1052·5 mb.) at Gordon Castle at 9h.	\odot S 22° 3'. M 11h. 30m.	8. Obs.—Close Journal, 1.

Times of Sunrise, Noon and Sunset, G.M.T., January 2nd.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Wick ...	9 4	12 15	15 27	Cahirciveen	8 51	12 45
Aberdeen ...	8 51	12 12	15 33	Richmond ...	8 9	12 5
Eskdalemuir	8 43	12 17	15 51	Falmouth ...	8 22	12 24

Week 2. JANUARY 9TH TO JANUARY 15TH, 1921. Days 9 to 15.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JANUARY 9th. ☉ S 22° 1'. M 12h. 17m. ● New Moon 5h. 27m. 1896. Barometer (sea level) 31·108 in. (1054·5 mb.), Ochertyre 9h.; 31·106 in. (1054·5 mb.), Fort William.	Post Weekly Returns. *9.
MONDAY, 10th. ☉ S 22° 0'. M 13h. 3m. 1909. Reports by radio-telegraphy from Atlantic liners begun. 1913. Barometer 27·44 in. (929 mb.) recorded by White Star liner "Celtic" in 50° N. 29° W.	Post Anemograms. Post Barograms. M.O.—Discussion 17h. 10.
TUESDAY, 11th. ☉ S 21° 8'. M 13h. 47m. 1914. Eruption of Sakarishima, Japan.	*11.
WEDNESDAY, 12th. ☉ S 21° 7'. M 14h. 31m. 1915. Pressure at Irkutsk (Siberia) reached 803 mm. = 1071 mb. 1869. Regular daily issue of lithographed copies of the Daily Weather Report begun (see 5 July).	12.
THURSDAY, 13th. ☉ S 21° 5'. M 15h. 14m.	*13. Obs.—Send curves and tabulations.
FRIDAY, 14th. ☉ S 21° 3'. M 15h. 58m. 1st January (Old Style) in Russian Empire, &c. 1806. Matthew Fontaine Maury, American Marine Meteorologist, b. [d. 1 Feb. 1873].	14.
SATURDAY, 15th. ☉ S 21° 2'. M 16h. 42m. 1915. Earthquake in Italy. 1820. Temperature at Greenwich 0·0° F. (255a)	*15.

Times of Sunrise, Noon and Sunset, G.M.T., January 9th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	8 59	12 19	15 40	Cahirciveen	8 48	12 48	16 48
Aberdeen ...	8 47	12 16	15 45	Richmond ...	8 6	12 8	16 10
Eskdalemuir	8 39	12 20	16 1	Falmouth ...	8 20	12 27	16 34

Week 3. JANUARY 16TH TO JANUARY 22ND, 1921. Days 16 to 22.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JANUARY 16th. ☉ S 21° 0'. M 17h. 28m.	Post Weekly Returns. 16.
MONDAY, 17th. ☉ S 20° 8'. M 18h. 17m. D First quarter 6h. 31m. 1881. Low temperatures —15° F. (247a) Stobo, (in Stevenson's screen) —16° F. (246a) Kelso, —22° F. (243a) Blackadder. — (S.M., Vol. 16.)† 1706. Benjamin Franklin, Printer, Meteorologist and Diplomatist, b. [d. 1790].	Post Anemograms. Post Barograms. *17.
TUESDAY, 18th. ☉ S 20° 6'. M 18h. 9m. 1815. Warren de la Rue, Chairman, Kew Committee, b. [d. 19 Apr. 1889]. 1881. Great Snowstorm and violent Easterly gale in South of England. Known as Black Tuesday (London milk supply curtailed). Highest tide ever recorded in the Thames. 1912. Capt. R. F. Scott reached South Pole.	18.
WEDNESDAY, 19th. ☉ S 20° 4'. M 20h. 5m. 1830. Heavy snow. Salisbury coach 17 hours coming from Andover. Severe frost.—(Q.J., 1901.)	*19.
THURSDAY, 20th. ☉ S 20° 2'. M 21h. 5m. 1817. William Ferrel, Mathematician and Meteorologist, b. [d. 18 Sept. 1891]. 1838. Coldest day of century. Thermometer remained below zero for some hours —4° F. (253a) recorded at Greenwich. This was followed almost immediately by a variation of nearly 50° F.	20. Obs.—Send curves and tabulations.
FRIDAY, 21st. ☉ S 20° 0'. M 22h. 6m.	*21.
SATURDAY, 22nd. ☉ S 19° 7'. M 23h. 9m. St. Vincent.	22. Obs.—Close Journal, 3.

Times of Sunrise, Noon and Sunset, G.M.T., January 16th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	8 50	12 22	15 54	Cahirciveen	8 43	12 51	16 58
Aberdeen ...	8 39	12 18	15 57	Richmond ...	8 2	12 11	16 20
Eskdalemuir	8 33	12 23	16 13	Falmouth ...	8 15	12 30	16 45

† Symons's Meteorological Magazine.

Week 4. JANUARY 23RD TO JANUARY 29TH, 1921. Days 23 to 29.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JANUARY 23rd.	\odot S 19° 5'. M — \odot Full Moon 23h. 8m.	*23. Post Weekly Returns.
MONDAY, 24th.	\odot S 19° 3'. M 0h. 10m. 1683-84. Thames planted with booths in formal streets.—(Q.J. XXVIII.)	*24. Post Anemograms. Post Barograms. M.O.—Discussion 17h.
TUESDAY, 25th.	\odot S 19° 0'. M 1h. 8m. ST. PAUL'S DAY. Formerly believed to foreshadow the weather of the year. 1627. Robert Boyle, Experimental Philosopher, b. [d. 30 Dec. 1691].	*25.
WEDNESDAY, 26th.	\odot S 18° 8'. M 2h. 4m. 1884. Great Snowstorm in Scotland, Barometer 27·332 in. (926·5 mb. Sea level), Ochertyre. Very heavy gale generally.	*26.
THURSDAY, 27th.	\odot S 18° 5'. M 2h. 57m. 1866. Meteorological Society Incorporated by Royal Charter. 1881. End of 21 days' spell of severe frost. 1920. Highest gust recorded by M.O. anemograph. Wind speed at Quilty reached at least 50 m/s (over 110 mi/hr.)	*27. Obs.—Send curves and tabulations.
FRIDAY, 28th.	\odot S 18° 3'. M 3h. 48m. 1833. Robert Henry Scott, First Director of Meteorological Office, b. [d. 18 June 1916].	*28.
SATURDAY, 29th.	\odot S 18° 0'. M. 4h. 38m.	*29. Obs.—Close Journal, 4.

Times of Sunrise, Noon and Sunset, G.M.T., January 23rd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 39	12 23	16 7	Cahirciveen	8 36	12 53	17 10
Aberdeen	8 28	12 20	16 12	Richmond	7 54	12 13	16 32
Eskdalemuir	8 24	12 25	16 26	Falmouth	8 8	12 32	16 56

Week 5. JANUARY 30TH TO FEBRUARY 5TH, 1921. Days 30 to 36.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JANUARY 30th.	\odot S 17° 7'. M 5h. 27m. \odot Last quarter 20h. 2m.	*30. Post Weekly Returns.
MONDAY, 31st.	\odot S 17° 4'. M 6h. 15m. 1902. Barometer (Sea level) 31·110 in. (1055 mb.), Aberdeen.	*31. Post Anemograms. Post Barograms.
TUESDAY, FEBRUARY 1st.	\odot S 17° 2'. M 7h. 3m. 1894. First telegraphic report from Azores (Delgada).	*32.
WEDNESDAY, 2nd.	\odot S 16° 9'. M 7h. 52m.	*33.
THURSDAY, 3rd.	\odot S 16° 6'. M 8h. 40m.	*34. Obs.—Send curves and tabulations. Post Monthly Climatological Returns. Balloon Day.
FRIDAY, 4th.	\odot S 16° 3'. M 9h. 27m. 1907. Reports by radiotelegraphy from H.M. Ships begun.	*35.
SATURDAY, 5th.	\odot S 16° 0'. M 10h. 14m. 1861. First cautionary or "Storm Signal" made. 1870. Barometer 27·33 in. (926 mb.), S.S. "Tarifa," 51°N., 24°W.	*36. Obs.—Close Journal, 5.

Times of Sunrise, Noon and Sunset, G.M.T., January 30th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 24	12 26	16 26	Cahirciveen	8 27	12 54	17 22
Aberdeen	8 16	12 22	16 28	Richmond	7 45	12 14	16 44
Eskdalemuir	8 12	12 26	16 40	Falmouth	8 0	12 34	17 8

Week 6. FEBRUARY 6TH TO FEBRUARY 12TH, 1921. Days 37 to 43.

Astronomical and Historical Notes.		Diary
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, FEBRUARY 6th.	\odot S 15° 7'. M 11h. 0m.	Post Weekly Returns. *37.
St. Dorothea.		
MONDAY, 7th.	\odot S 15° 4'. M 11h. 45m.	Post Anemograms. 38.
1895. Temperature—10° F. (250a) at Barkby, near Leicester.		Post Barograms. M.O.—Discussion 17h.
TUESDAY, 8th.	\odot S 15° 1'. M 12h. 30m. ● New Moon 0h. 37m.	*39.
1750. Last considerable earthquake in England. —(HORACE WALPOLE'S LETTERS.)		
1895. Beginning of 14 days' frost, with skating on the Serpentine. Temperature—12° F. (249a), Braemar.		
WEDNESDAY, 9th.	\odot S 14° 7'. M 13h. 13m.	40.
THURSDAY, 10th.	\odot S 14° 4'. M 13h. 57m.	*41.
		Obs.—Send curves and tabulations.
FRIDAY, 11th.	\odot S 14° 1'. M 14h. 41m.	42.
SATURDAY, 12th.	\odot S 13° 8'. M 15h. 37m.	*43.
St. Eulalie.		Obs.—Close Journal, 6.

Times of Sunrise, Noon and Sunset, G.M.T., February 6th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	8 10	12 25	16 41	Cahirciveen	8 15	12 55	17 35
Aberdeen	8 2	12 23	16 44	Richmond	7 34	12 15	16 56
Eskdalemuir	7 59	12 27	16 55	Falmouth	7 50	12 35	17 20

Week 7. FEBRUARY 13TH TO FEBRUARY 19TH, 1921. Days 44 to 50.

Astronomical and Historical Notes.		Diary
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, FEBRUARY 13th.	\odot S 13° 4'. M 16h. 14m.	Post Weekly Returns. 44.
1899. Min. temp. New Orleans 7° F. Ice 2 in. thick on Mississippi.—(S.M.)*		
1920. Snowstorm in Jerusalem, 39 inches fell between the 8th and the 13th.		
MONDAY, 14th.	\odot S 13° 1'. M 17h. 4m.	Post Anemograms. *45.
		Post Barograms.
TUESDAY, 15th.	\odot S 12° 8'. M 17h. 56m. D First quarter 18h. 53m.	46.
		M.O.—Half-yearly issue of cards to Sunshine stations.
WEDNESDAY, 16th.	\odot S 12° 4'. M 18h. 52m.	*47.
1822. Sir F. Galton, Traveller and Investigator, Chairman Kew Committee, b. [d. 17 Jan. 1911].		
THURSDAY, 17th.	\odot S 12° 1'. M 19h. 50m.	48.
		Obs.—Send curves and tabulations.
FRIDAY, 18th.	\odot S 11° 7'. M 20h. 50m.	*49.
1564. Galileo Galilei b. [d. 8 Jan. 1642].		
1895. Ice 10 in. thick, Regent's Park.		
SATURDAY, 19th.	\odot S 11° 4'. M 21h. 50m.	50.
1895. Remarkable Temperature Inversion 9 a.m., Ben Nevis, Summit, 274a (33° 8' F.), Fort William 264a (15° 8' F.).		
1895. Ice 7½ in. thick, Serpentine. (Q.J.)		
1920. Maximum temperature of 289a at Meltham, Yorks, the highest February temperature recorded for 43 years. It was followed by snow which fell to a depth of 7 inches 26 hours later.		

Times of Sunrise, Noon and Sunset, G.M.T., February 13th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 53	12 26	16 59	Cahirciveen	8 2	12 55	17 48
Aberdeen	7 46	12 23	17 0	Richmond	7 21	12 15	17 9
Eskdalemuir	7 44	12 27	17 10	Falmouth	7 38	12 35	17 32

* See M.O. Publication, 142.

Week 8. FEBRUARY 20TH TO FEBRUARY 26TH, 1921. Days 51 to 57.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, FEBRUARY 20th.	\odot S 11° 0'. M 22h. 49m.	Post Weekly Returns. *51. Flag Day.
Birthday of Princess Royal. 1663. "Danzig Phenomenon." An elaborate arrangement of solar halos, &c., seen and depicted by Hevel, the German Astronomer. 1907. "Berlin" wrecked North Sea. 1920. Issue of Forecasts 8 times daily from Wireless Station at Air Ministry begun.		
MONDAY, 21st.	\odot S 10° 6'. M 23h. 46m.	Post Anemograms. 52. Post Barograms. M.O.—Discussion 17h.
TUESDAY, 22nd.	\odot S 10° 3'. M — \odot Full Moon 9h. 32 m.	*53.
WEDNESDAY, 23rd.	\odot S 9° 90'. M 0h. 41m.	54.
THURSDAY, 24th.	\odot S 9° 6'. M 1h. 34m.	Obs.—Send curves and tabulations. *55.
FRIDAY, 25th.	\odot S 9° 2'. M 2h. 26m.	56.
1919. Captain M. W. C. Hepworth, Marine Superintendent, M.O., d. [b. 27 Apr. 1849].		
SATURDAY, 26th.	\odot S 8° 8'. M 3h. 17m.	Obs.—Close Journal, 8. *57.

Times of Sunrise, Noon and Sunset, G.M.T., February 20th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 35	12 26	17 18	Cahirciveen	7 49	12 55	18 1
Aberdeen	7 29	12 22	17 15	Richmond	7 8	12 15	17 22
Eskdalemuir	7 29	12 27	17 25	Falmouth	7 25	12 34	17 43

Week 9. FEBRUARY 27TH TO MARCH 5TH, 1921. Days 58 to 64.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		First week of Spring Quarter.
SUNDAY, FEBRUARY 27th.	\odot S 8° 4'. M 4h. 7m.	Post Weekly Returns. 58.
1903. Destructive Circular Storm. Strongest gust 39·3 m/s (88 mi/hr), Pendennis. Maximum hourly velocity, 24·6 m/s (55 mi/hr). (Q.J.) 1920. World's height record in an aeroplane achieved by Major Rudolph W. Schroeder, who reached a height of 10093 metres (33113 ft.) at Dayton (Ohio) in a 400 H.P. "Lepère."		
MONDAY, 28th.	\odot S 8° 1'. M 4h. 57m.	Post Anemograms. *59. Post Barograms.
St. Romanus. 1683. René Antoine Ferchault de Réaumur b. [d. 17 Oct. 1757].		
TUESDAY, MARCH 1st.	\odot S 7° 7'. M 5h. 46m. (Last quarter 14h. 3m.	60.
St David.		
WEDNESDAY, 2nd.	\odot S 7° 3'. M 6h. 35m.	*61.
St. Chad. 1843. Sir W. J. L. Wharton, Hydrographer to the Navy, b. [d. 29 Sept. 1905]. 1862. Prince Boris Galitzine, Russian Meteorologist and Seismologist, b. [d. 17 May 1916]. 1784. Blanchard, aeronaut, made his first ascent from Paris in a hydrogen balloon.		
THURSDAY, 3rd.	\odot S 6° 9'. M 7h. 23 m.	Obs.—Send curves and tabulations. 62. Balloon day.
St. Winnold. 1841. Sir John Murray, Oceanographer, b. [d. 16 March 1914].		
FRIDAY, 4th.	\odot S 6° 5'. M 8h. 10m.	Post Monthly Climatological Returns. *63.
SATURDAY, 5th.	\odot S 6° 1'. M 8h. 56m.	Obs.—Close Journal, 9. 64.

Times of Sunrise, Noon and Sunset, G.M.T., February 27th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	7 16	12 26	17 36	Cahirciveen	7 35	12 54	18 13
Aberdeen	7 10	12 21	17 32	Richmond	6 54	12 14	17 34
Eskdalemuir	7 12	12 26	17 40	Falmouth	7 11	12 33	17 55

Week 10. MARCH 6TH TO MARCH 12TH, 1921. Days 65 to 71.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, MARCH 6th.	\odot S 5° 8'. M 9h. 42m.	Post Weekly Returns. *65.
MONDAY, 7th.	\odot S 5° 4'. M 10h. 26m. 1792. Sir J. F. W. Herschel, Astronomer, b. [d. 11 May 1871].	Post Anemograms. 66. Post Barograms. M.O.—Discussion 17h.
TUESDAY, 8th.	\odot S 5° 0'. M 11h. 10m.	*67.
WEDNESDAY, 9th.	\odot S 4° 6'. M 11h. 54m. ● New Moon 18h. 9m.	68.
THURSDAY, 10th.	\odot S 4° 2'. M 12h. 39m. 1899. Discovery of the Stratosphere by Teisserenc de Bort.	Obs.—Send curves and tabulations. *69.
FRIDAY, 11th.	\odot S 3° 8'. M 13h. 25m. 1811. Leverrier, French Astronomer, b. [d. 23 Sept. 1877]. 1872. Weather Charts first included in D.W.R. 1911. Western European Standard time (G.M.T.) adopted in France.	70.
SATURDAY, 12th.	\odot S 3° 4'. M 14h. 12m. 1790. John Frederic Daniell, Chemist and Physicist, b. [d. 1845].	Obs.—Close Journal, 10. *71.

Times of Sunrise, Noon and Sunset, G.M.T., March 6th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	6 57	12 23	17 50	Cahirceiven	7 20	12 53	18 26
Aberdeen	6 53	12 20	17 48	Richmond	6 39	12 13	17 47
Eskdalemuir	6 54	12 24	17 54	Falmouth	6 56	12 32	18 8

Week 11. MARCH 13TH TO MARCH 19TH, 1921. Days 72 to 78.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, MARCH 13th.	\odot S 3° 0'. M 15h. 1m. 1900. Highest barometer reading on board ship in N. Atlantic. 31.09 in. (1054 mb.), S.S. "Lumen" in 55° N., 24° W.	Post Weekly Returns. 72.
MONDAY, 14th.	\odot S 2° 6'. M 15h. 53m.	Post Anemograms. *73. Post Barograms.
TUESDAY, 15th.	\odot S 2° 2'. M 16h. 47m. 1615. Highest flood ever known in Norwich.—(Geol. Memoir. Woodward.)	M.O.—Quarterly issue of forms. 74.
WEDNESDAY, 16th.	\odot S 1° 8'. M 17h. 43m.	*75.
THURSDAY, 17th.	\odot S 1° 4'. M 18h. 41m. D First quarter 3h. 49m.	Obs.—Send curves and tabulations. 76.
FRIDAY, 18th.	\odot S 1° 1'. M 19h. 39m. Birthday of Duchess of Argyll.	Flag Day. *77.
SATURDAY, 19th.	\odot S 0° 7'. M 20h. 36m. St. Joseph.	Obs.—Close Journal, 11. 78.

Times of Sunrise, Noon and Sunset, G.M.T., March 13th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	6 38	12 22	18 6	Cahirceiven	7 3	12 51	18 39
Aberdeen	6 34	12 18	18 3	Richmond	6 23	12 11	17 59
Eskdalemuir	6 37	12 23	18 9	Falmouth	6 41	12 30	18 19

Week 12. MARCH 20TH TO MARCH 26TH, 1921. Days 79 to 85.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, MARCH 20th. \odot S 0° 3'. M 21h. 32m. PALM SUNDAY. Vernal Equinox.	Post Weekly Returns.	*79.
MONDAY, 21st. \odot S 0° 1'. M 22h. 26m. 1893. First registering balloon ascent. (Hermitte and Besançon.)	Post Anemograms. Post Barograms. M.O.—Discussion 17h.	80.
TUESDAY, 22nd. \odot N 0° 1'. M 23h. 19m. 1682. River Thames, at London, ebbed and flowed three times in four hours.—(LOWE.) 1903. Eruption of La Soufrière. 1860. John George Bartholomew, Cartographer, b. d. 13th April, 1920.]		*81.
WEDNESDAY, 23rd. \odot N 0° 90'. M — \bigcirc Full Moon, 20h. 19m.		82.
THURSDAY, 24th. \odot N 1° 3'. M 0h. 11m. 1878. "Eurydice" line-squall. (Q.J.) 1895. Destructive secondary passed across England. (F.W.) 1902. Circular storm. Hourly wind velocity, 18·8 m/s (42 mi/hr), Valencia. (L.H.) 1918. Maximum of 295a recorded at Worksop, highest March temperature recorded for 43 years. Summer Time began.	Obs.—Send curves and tabulations.	*83.
FRIDAY, 25th. \odot N 1° 7'. M 1h. 3m. Lady Day. GOOD FRIDAY.		84.
SATURDAY, 26th. \odot N 2° 1'. M 1h. 54m.	Obs.—Close Journal, 12.	*85.

Times of Sunrise, Noon and Sunset, G.M.T., March 20th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	6 19	12 20	18 21	Cahirciveen	6 46	12 49	18 51
Aberdeen ...	6 15	12 16	18 18	Richmond..	6 6	12 9	18 11
Eskdalemuir	6 19	12 21	18 23	Falmouth ...	6 26	12 28	18 30

Week 13. MARCH 27TH TO APRIL 2ND, 1921. Days 86 to 92.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, MARCH 27th. \odot N 2° 5'. M 2h. 45m. EASTER DAY.	Post Weekly Returns.	86.
MONDAY, 28th. \odot N 2° 9'. M 3h. 36m. EASTER MONDAY. 1916. Gale and snowstorm; highest gust at Richmond, 31·1 m/s (70 mi/hr). Great destruction of trees in Midland and Home Counties.	Post Anemograms. Post Barograms.	*87.
TUESDAY, 29th. \odot N 3° 3'. M 4h. 26m. Average date of cessation of Harmattan in Northern Provinces of Nigeria.		88.
WEDNESDAY, 30th. \odot N 3° 7'. M 5h. 15m. 1919. Summer Time began.		*89.
THURSDAY, 31st. \odot N 4° 1'. M 6h. 4m. (Last quarter 9h. 13m.) Birthday of Prince Henry. 1919. In Scotland the coldest March for about a century.	Obs.—Send curves and tabulations. Flag Day.	90.
FRIDAY, APRIL 1st. \odot N 4° 4'. M 6h. 50m. 1879. Issue of forecasts resumed. First publication by "The Times" of the 8 a.m. Weather Map. 1919. Daily Weather Report first issued in three sections:—(1) British, (2) International, (3) Upper Air Supplement.		*91.
SATURDAY, 2nd. \odot N 4° 8'. M 7h. 36m. 1797. J. P. Gassiot, Benefactor Kew Observatory, b. [d. 15 Aug. 1877].	Obs.—Close Journal, 13.	92.

Times of Sunrise, Noon and Sunset, G.M.T., March 27th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	5 57	12 17	18 38	Cahirciveen	6 31	12 47	19 3
Aberdeen ...	5 55	12 14	18 33	Richmond...	5 51	12 7	18 23
Eskdalemuir	6 0	12 18	18 36	Falmouth ...	6 11	12 26	18 41

Week 14. APRIL 3RD TO APRIL 9TH, 1921. Days 93 to 99.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, APRIL 3rd. \odot N 5° 2'. M 8h. 21m. 1617. Napier of Merchiston, Inventor of Logarithms, d. [b. 1550]. 1850. Royal Meteorological Society founded as British Meteorological Society.		*93. Post Weekly Returns.
MONDAY, 4th. \odot N 5° 6'. M 9h. 5m.		94. Post Anemograms. Post Barograms. Post Monthly Climatological Returns.
TUESDAY, 5th. \odot N 6° 0'. M 9h. 49m. 25th March, Old Style, Lady Day and New Year's Day, 1700 to 1750.		*95.
WEDNESDAY, 6th. \odot N 6° 4'. M 10h. 34m. 1909. Commander Peary, U.S.N., at the North Pole.		96. Balloon Day.
THURSDAY, 7th. \odot N 6° 7'. M 11h. 19m. 1809. James Glaisher, Meteorologist and Balloonist, b. [d. 7 Feb. 1903]. 1815. Tomboro (E. Indies) eruption, April 7th-12th. 1919. Issue of Gale Warnings to public resumed.		*97. Obs.—Send curves and tabulations. Balloon Day.
FRIDAY, 8th. \odot N 7° 10'. M 12h. 7m. 1917. Summer Time began. ● New Moon 9h. 5m.		98. Balloon Day.
SATURDAY, 9th. \odot N 7° 5'. M 12h. 56m.		*99. Obs.—Close Journal, 14.

Times of Sunrise, Noon and Sunset, G.M.T., April 3rd.

	h. m.				h. m.		
Wick ...	5	37	12 15	18 54	Cahirciveen	6	15 12 45
Aberdeen ...	5	36	12 12	18 48	Richmond ...	5	35 12 5 18 35
Eskdalemuir	5	43	12 16	18 50	Falmouth ...	5	56 12 24 18 52

Week 15. APRIL 10TH TO APRIL 16TH, 1921. Days 100 to 106.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, APRIL 10th. \odot N 7° 8'. M 13h. 48m.		100. Post Weekly Returns.
MONDAY, 11th. \odot N 8° 2'. M 14h. 43m. 1829. Alexander Buchan, Meteorologist, b. [d. 13 May 1907]. Cold spell in Scotland, April 11th-14th (Borrowing Days).—BUCHAN.*		*101. Post Anemograms. Post Barograms.
TUESDAY, 12th. \odot N 8° 6'. M 15h. 39m. 1920. Gale at Gibraltar. Wind reached force 11.		102. Sunshine stations. Summer Cards to be used from 13th April until 31st Aug.
WEDNESDAY, 13th. \odot N 8° 9'. M 16h. 36m.		*103.
THURSDAY, 14th. \odot N 9° 3'. M 17h. 34m. Princess Beatrice's Birthday. 1629. Christiaan Huyghens, Natural Philosopher, b. [d. 8 June 1695]. 1919. Low barometer, minimum reading at Southport 969·2 mb. (28·62 in.) the lowest April reading in 48 years.		104. Obs.—Send curves and tabulations. Flag Day.
FRIDAY, 15th. \odot N 9° 7'. M 18h. 30m. D First quarter 10h. 12m. 1912. S.S. "Titanic" sunk by iceberg in Atlantic, 41° 16' N., 50° 14' W. 1800. James Clarke Ross, Antarctic Explorer, b. [d. 3 April 1862].		*105.
SATURDAY, 16th. \odot N 10° 0'. M 19h. 25m. 1682. John Hadley, Inventor of the Sextant, b. [d. 15 Feb. 1744]. 1786. Sir John Franklin, Explorer, b. [d. 1847].		106. Obs.—Close Journal, 15.

Times of Sunrise, Noon and Sunset, G.M.T., April 10th.

	h. m.				h. m.		
Wick ...	5	16	12 12	19 9	Cahirciveen	5	58 12 42
Aberdeen ...	5	17	12 10	19 3	Richmond ...	5	19 12 2 18 45
Eskdalemuir	5	25	12 14	19 4	Falmouth ...	5	41 12 22 19 3

* Handy Book of Meteorology, p. 140.

Week 16. APRIL 17TH TO APRIL 23RD, 1921. Days 107 to 113.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, APRIL 17th.	☉ N 10·4°. M 20h. 18m.	*107. Post Weekly Returns.
MONDAY, 18th.	☉ N 10·7°. M 21h. 10m.	108. Post Anemograms. Post Barograms.
TUESDAY, 19th.	☉ N 11·1°. M 22h. 1m.	*109.
WEDNESDAY, 20th.	☉ N 11·4°. M 22h. 52m.	110.
THURSDAY, 21st.	☉ N 11·8°. M 23h. 43m.	*111. Obs.—Send curves and tabulations.
FRIDAY, 22nd.	☉ N 12·1°. M — ○ Full Moon 7h. 49m.	112.
SATURDAY, 23rd.	☉ N 12·4°. M 0h. 34m.	*113. Obs.—Close Journal, 16.
St. George. 1792. T. R. Robinson, Astronomer and Meteorologist, b. [d. 28 Feb. 1882].		

Times of Sunrise, Noon and Sunset, G.M.T., April 17th.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Wick ...	4 57	12 11	19 26	Cahirciveen	5 43	12 41 19 39
Aberdeen ...	4 58	12 8	19 18	Richmond ...	5 4	12 1 18 58
Eskdalemuir	5 7	12 12	19 17	Falmouth ...	5 26	12 20 19 14

Week 17. APRIL 24TH TO APRIL 30TH, 1921. Days 114 to 120.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, APRIL 24th.	☉ N 12·8°. M 1h. 25m.	114. Post Weekly Returns.
MONDAY, 25th.	☉ N 13·1°. M 2h. 16m.	*115. Post Anemograms. Post Barograms. Flag Day.
Princess Mary's birthday. 1791. Major-Gen. W. Reid, R.E., b. [d. 31 Oct. 1858]. Author of "Law of Storms." 1908. Great Snowfalls, Midlands and South.—(M.W.R.)		
TUESDAY, 26th.	☉ N 13·4°. M 3h. 6m.	116. 1908. Great Snowfalls, Midlands and South.—(M.W.R.)
WEDNESDAY, 27th.	☉ N 13·7°. M 3h. 55m.	*117.
THURSDAY, 28th.	☉ N 14·1°. M 4h. 43m.	118. Obs.—Send curves and tabulations.
FRIDAY, 29th.	☉ N 14·4°. M 5h. 30m.	*119.
SATURDAY, 30th.	☉ N 14·7°. M 6h. 15m.	120. Obs.—Close Journal, 17.
☾ Last quarter 4h. 9m. 1777. Karl Friedrich Gauss, Magnetician, b. [d. 23 Feb. 1855]. 1920. At Meltham the rainfall for the month was greater than any April for 40 years. It was 2½ times the normal.		
M.O.—Geophysical Journal, February Copy day.		

Times of Sunrise, Noon and Sunset, G.M.T., April 24th.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Wick ...	4 40	12 10	19 40	Cahirciveen	5 29	12 39 19 50
Aberdeen ...	4 41	12 7	19 33	Richmond ...	4 49	11 59 19 8
Eskdalemuir	4 51	12 11	19 32	Falmouth ...	5 12	12 18 19 25

Week 18. MAY 1ST TO MAY 7TH, 1921. Days 121 to 127.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, MAY 1st. ☉ N 15° 0'. M 6h. 59m. St. Philip and St. James. Duke of Connaught's birthday. 1914. Millibars used for pressure and milli- metres for rainfall in the Daily Weather Report.		*121. Post Weekly Returns. Flag Day.
MONDAY, 2nd. ☉ N 15° 3'. M 7h. 43m.		122. Post Anemograms. Post Barograms.
TUESDAY, 3rd. ☉ N 15° 6'. M 8h. 26m.		*123.
WEDNESDAY, 4th. ☉ N 15° 9'. M 9h. 11m. 1697. Thunderstorm at Hitchin, with hailstones 13 or 14 ins. in circumference.—(LOWE.)		124. Post Monthly Climatologi- cal Returns.
THURSDAY, 5th. ☉ N 16° 2'. M 9h. 58m. Ascension Day.		*125. Obs.—Send curves and tabu- lations.
FRIDAY, 6th. ☉ N 16° 5'. M 10h. 47m. 1910. Accession of His Majesty King George V. 1915. Thunderstorms with very heavy rain (75 mm.) in the central and northern parts of London.		126. Flag Day.
SATURDAY, 7th. ☉ N 16° 7'. M 11h. 38m. ● New Moon 21h. 2m. 1902. La Soufrière, St. Vincent, in eruption.		*127. Obs.—Close Journal, 18.

Times of Sunrise, Noon and Sunset, G.M.T., May 1st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 20	12 9	19 58	Cahirceveen	5 13	12 38	20 2
Aberdeen ...	4 23	12 5	19 48	Richmond ...	4 35	11 58	19 21
Eskdalemuir	4 35	12 10	19 45	Falmouth ...	4 59	12 17	19 36

Week 19. MAY 8TH TO MAY 14TH, 1921. Days 128 to 134.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, MAY 8th. ☉ N 17° 0'. M 12h. 33m. 1902. Mont Pelée eruption, Martinique.		128. Post Weekly Returns.
MONDAY, 9th. ☉ N 17° 3'. M 13h. 30m.		*129. Post Anemograms. Post Barograms.
TUESDAY, 10th. ☉ N 17° 5'. M 14h. 29m.		130
WEDNESDAY, 11th. ☉ N 17° 8'. M 15h. 28m. St. Mamertius.		*13
THURSDAY, 12th. ☉ N 18° 1'. M 16h. 26m. St. Pancras. May 12th and 13th known as the "Ice Saints' Days" on the Continent. At Richmond the normal maximum (1817-1900) drops from 61·5° F. on May 12th to 59·5° F. on May 19, recovering to 64·3° F. on May 24th—(M.O. 154).*		132. Obs.—Send curves and tabu- lations. Balloon day.
FRIDAY, 13th. ☉ N 18° 3'. M 17h. 21m. St. Gervais.		*133.
SATURDAY, 14th. ☉ N 18° 6'. M 18h. 15m. ☾ First quarter 15h. 25m. 1686. Gabriel Daniel Fahrenheit, b. [d. 16 Sept. 1736].		134. Obs.—Close Journal, 19.

Times of Sunrise, Noon and Sunset, G.M.T., May 8th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 4	12 8	20 12	Cahirceveen	5 1	12 37	20 12
Aberdeen ...	4 8	12 5	20 3	Richmond ...	4 23	11 57	19 31
Eskdalemuir	4 20	12 9	19 58	Falmouth ...	4 48	12 17	19 47

* One of the numbered publications of the Meteorological Office.

Week 20. MAY 15TH TO MAY 21ST, 1921. Days 135 to 141.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, MAY 15th. ☉ N 18·8°. M 19h. 7m. WHIT SUNDAY. 1835. Henrik Mohn, Norwegian Meteorologist, b. [d. 12 Sept. 1916]. Approximate average date of commencement of cold spell at Aberdeen and Falmouth—(M.O. 154).*	*135. Post Weekly Returns.
MONDAY, 16th. ☉ N 19·0°. M 19h. 57m.	136. Post Anemograms. Post Barograms.
TUESDAY, 17th. ☉ N 19·3°. M 20h. 46m. 1836. Sir Joseph Norman Lockyer, Physicist, Astronomer, b. [d. 16 Aug. 1920]. 1906. Valparaiso earthquake.	*137.
WEDNESDAY, 18th. ☉ N 19·5°. M 21h. 36m. 1888. Thunderstorms over England and Scotland. (Q.J.) 1906. San Francisco earthquake. 1919. First attempt to fly the Atlantic by Mr. Hawker and Commander Grieve, in a Sopwith aeroplane from St. Johns to Ireland.	138.
THURSDAY, 19th. ☉ N 19·7°. M 22h. 26m. St. Dunstan.	*139. Obs.—Send curves and tabu- lations.
FRIDAY, 20th. ☉ N 19·9°. M 23h. 16m. 1916. Summer Time adopted for the first time. Railway and P.O. clocks moved forward one hour.	140.
SATURDAY, 21st. ☉ N 20·1°. M —? ☉ Full Moon 20h. 15m. 1918. Maximum of 300a at Kew Observatory, Richmond. 8·9 mm. of rain fell at Meltham (Yorks.) in 10½ minutes. 1919. R. H. Curtis, Superintendent of Instru- ments, M.O., 1907-12, d.	*141. Obs.—Close Journal, 20.

Times of Sunrise, Noon and Sunset, G.M.T., May 15th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 48	12 8	20 29	Cahirciveen	4 48	12 37	20 26
Aberdeen ...	3 53	12 5	20 17	Richmond ...	4 11	11 57	19 43
Eskdalemuir	4 7	12 9	20 12	Falmouth ...	4 36	12 16	19 56

* One of the numbered publications of the Meteorological Office.

Week 21. MAY 22ND TO MAY 28TH, 1921. Days 142 to 148.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary. Last week of Spring Quarter.
SUNDAY, MAY 22nd. ☉ N 20·3°. M 0h. 7m. TRINITY SUNDAY. 1867. Snow on Derby Day. (S.M. 1896.) 1918. At Meltham (Yorks.), May 21st and 22nd, hottest May days for 40 years (300a). Most severe thunderstorm ever experienced at South- port.	142. Post Weekly Returns.
MONDAY, 23rd. ☉ N 20·5°. M 0h. 57m. 1867 M.O. Daily Charts begun.	*143. Post Anemograms. Post Barograms.
TUESDAY, 24th. ☉ N 20·7°. M 1h. 47m. Empire Day. 1545. William Gilbert of Colchester, Magnetician. b. [d. 30 Nov. 1603]. 1794. William Whewell, Philosopher, b. [d. 1866].	144. Flag Day.
WEDNESDAY, 25th. ☉ N 20·9°. M 2h. 36m. St. Urban. Princess Christian's Birthday.	*145.
THURSDAY, 26th. ☉ N 21·1°. M 3h. 24m. Corpus Christi. Birthday of Queen Mary.	146. Obs.—Send curves and tabu- lations. Flag Day.
FRIDAY, 27th. ☉ N 21·3°. M 4h. 9m.	*147.
SATURDAY, 28th. ☉ N 21·4°. M 4h. 54m.	148. Obs.—Close Journal, 21.

Times of Sunrise, Noon and Sunset, G.M.T., May 22nd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 34	12 9	20 44	Cahirciveen	4 40	12 37	20 34
Aberdeen ...	3 40	12 5	20 31	Richmond ...	4 2	11 57	19 52
Eskdalemuir	3 55	12 9	20 24	Falmouth ...	4 28	12 17	20 7

Week 22. MAY 29TH TO JUNE 4TH, 1921. Days 149 to 155.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary. First week of Summer Quarter.
SUNDAY, MAY 29th. ☉ N 21° 6'. M 5h. 37m. ☾ Last quarter 9h. 45m. 1914. S.S. "Empress of Ireland" sunk in St. Lawrence River by collision in a fog. 1920. The Louth flood disaster. Heavy rainfall over large part of England, with floods in Lincolnshire. At Elkington Hall (3 miles W. of Louth) 119 mm. fell, 117 mm. falling in three hours. At Leyland, in Lancashire, 15mm. fell in 20 minutes.	*149. Post Weekly Returns.
MONDAY, 30th. ☉ N 21° 7'. M 6h. 20m.	150. Post Anemograms. Post Barograms.
TUESDAY, 31st. ☉ N 21° 9'. M 7h. 4m. 1905. First meeting of the Meteorological Committee. 1911. Thunderstorm at Epsom, 2.44 in. (62 mm.) rain in 50 m. (Derby Day).—(W.W.R.)	*151.
WEDNESDAY, JUNE 1st. ☉ N 22° 0'. M 7h. 49m. 1796. Sadi Carnot, French Physicist, b. [d. June 1832]. 1831. North magnetic pole located by J. C. Ross. 1908. Thunder squall at Bushey, rain estimated at 275 in. (7 mm.) in two minutes.	152.
THURSDAY, 2nd. ☉ N 22° 2'. M 8h. 36m.	*153. Obs.—Send curves and tabulations.
FRIDAY, 3rd. ☉ N 22° 3'. M 9h. 25m. Birthday of His Majesty King George V. 1726. James Hutton, Geologist, b. [d. 26 March 1797].	154. Flag Day.
SATURDAY, 4th. ☉ N 22° 4'. M 10h. 19m.	*155. Obs.—Close Journal; 22. Post Monthly Climatological Returns.

Times of Sunrise, Noon and Sunset, G.M.T., May 29th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 22	12 9	20 57	Cahirciveen	4 33	12 38	20 43
Aberdeen ...	3 29	12 6	20 43	Richmond...	3 54	11 58	20 2
Eskdalemuir	3 46	12 10	20 35	Falmouth ...	4 20	12 17	20 15

Week 23. JUNE 5TH TO JUNE 11TH, 1921. Days 156 to 162.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, JUNE 5th. ☉ N 22° 8'. M 11h. 58m.	156. Post Weekly Returns.
MONDAY, 6th. ☉ N 22° 7'. M 12h. 59m. ☾ New Moon 6h. 15m. 1868. Captain Robert Falcon Scott, R.N., Antarctic Explorer, b. [d. 29 March 1912]. 1912. Eruption of Katmai, Alaska.	*157. Post Anemograms. Post Barograms. Balloon day.
TUESDAY, 7th. ☉ N 22° 6'. M 13h. 59m. 1892. Great Sangir (E. Archipelago) in eruption.	158. Balloon day.
WEDNESDAY, 8th. ☉ N 22° 5'. M 14h. 55m. St. Medard. 1783. Eruption of Skaptar Jökull, Iceland.	*159. Balloon day.
THURSDAY, 9th. ☉ N 22° 4'. M 15h. 49m. 1886. Eruption of Tarawera, New Zealand.	160. Obs.—Send curves and tabulations. Balloon day.
FRIDAY, 10th. ☉ N 22° 3'. M 16h. 41m.	*161. Balloon day.
SATURDAY, 11th. ☉ N 22° 2'. M 17h. 31m.	162. Obs.—Close Journal, 23. Balloon day.

Times of Sunrise, Noon and Sunset, G.M.T., June 5th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 13	12 10	21 8	Cahirciveen	4 25	12 39	20 53
Aberdeen ...	3 21	12 7	20 53	Richmond...	3 48	11 59	20 10
Eskdalemuir	3 39	12 11	20 44	Falmouth ...	4 15	12 18	20 22

Week 24. JUNE 12TH TO JUNE 18TH, 1921. Days 163 to 169.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JUNE 12th.	\odot N 23° 1'. M 17h. 55m. D First quarter 21h. 0m.	*163. Post Weekly Returns.
MONDAY, 13th.	\odot N 23° 2'. M 18h. 45m. 1903. Beginning of 3 days' continuous rainfall in London.	164. Post Anemograms. Post Barograms.
TUESDAY, 14th.	\odot N 23° 3'. M 19h. 34m. 1914. Remarkable thunderstorms on southwestern outskirts of London. Rainfall at Richmond Park 3·7 in. (94 mm.). 1919. Atlantic crossed by non-stop flight for the first time by Capt. J. Alcock and Lt. A. W. Brown, who left St. Johns, Newfoundland, at 16h. 28m. in a Vickers-Vimy-Rolls-Royce aeroplane, landing at Clifden, County Galway, Ireland, 16 hrs. 12 min. later.	*165.
WEDNESDAY, 15th.	\odot N 23° 3'. M 20h. 23m. 1854. Department for Marine Meteorology initiated by Mr. Cardwell for the Board of Trade. 1914. Severe thunderstorm, with subsidence of streets, at Paris.	166.
THURSDAY, 16th.	\odot N 23° 3'. M 21h. 12m.	*167. Obs.—Send curves and tabulations.
FRIDAY, 17th.	\odot N 23° 4'. M 22h. 2m. Third Earl of Rosse, Astronomer, b. 1800 [d. 31 Oct. 1867]. 1913. Eruption of Asama-yama, Japan. 1914. Collision during fog between the liner "Kaiser Wilhelm II" and "Incemore" (Liverpool) in the Channel.	168.
SATURDAY, 18th.	\odot N 23° 4'. M 22h. 52m. 1914. Stranding of "Bülow" near Portland, owing to fog. 1783. Eruption of Skaptar Jökull, Iceland.	*169. Obs.—Close Journal, 24.

Times of Sunrise, Noon and Sunset, G.M.T., June 12th.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Wick ...	3 9	12 12	21 15	Cahirciveen	4 23	12 40 20 58
Aberdeen ...	3 16	12 8	21 0	Richmond ...	3 46	12 0 20 15
Eskdalemuir	3 34	12 12	20 51	Falmouth ...	4 15	12 20 20 28

Week 25. JUNE 19TH TO JUNE 25TH, 1921. Days 170 to 176.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JUNE 19th.	\odot N 23° 4'. M 23h. 42m. St. Protais. 1914. Heavy local rainstorms in Scotland, resulting in a serious railway accident at Carr Bridge (Inverness). 1623. Blaise Pascal, Philosopher, b. [d. 19 Aug. 1662].	170. Post Weekly Returns.
MONDAY, 20th.	\odot N 23° 4'. M — Full Moon 9h. 41m.	*171. Post Anemograms. Post Barograms.
TUESDAY, 21st.	\odot N 23° 4'. M 0h. 31m. Summer Solstice. 1821. Georg von Neumayer, Magnetician and Meteorologist, b. [d. 24 May 1909].	172.
WEDNESDAY, 22nd.	\odot N 23° 4'. M 1h. 19m. Coronation Day.	*173. Flag Day.
THURSDAY, 23rd.	\odot N 23° 4'. M 2h. 5m. 1894. Prince of Wales born.	174. Obs.—Send curves and tabulations. Flag Day.
FRIDAY, 24th.	\odot N 23° 4'. M 2h. 50m. St. John. MIDSUMMER DAY. 1035. Frost on Midsummer Day; so vehement that corn and fruit were destroyed.—(LOWE.) 1777. Sir John Ross, Arctic Explorer, b. [d. 30 Aug. 1856].	*175.
SATURDAY, 25th.	\odot N 23° 4'. M 3h. 34m. 1918. Ground Frost at Kew Observatory, latest on record for the first half of the year.	176. Obs.—Close Journal, 25.

Times of Sunrise, Noon and Sunset, G.M.T., June 19th.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Wick ...	3 7	12 13	21 19	Cahirciveen	4 22	12 42 21 2
Aberdeen ...	3 14	12 9	21 5	Richmond ...	3 45	12 2 20 19
Eskdalemuir	3 33	12 14	20 56	Falmouth ...	4 11	12 21 20 32

Week 26. JUNE 26TH TO JULY 2ND, 1921. Days 177 to 183.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JUNE 26th.	\odot N 23° 4'. M 4h. 16m.	*177. Post Weekly Returns.
1824. William Thomson, Lord Kelvin, Natural Philosopher, b. [d. 17 Dec. 1907].		
MONDAY, 27th.	\odot N 23° 4'. M 4h. 59m.	178. Post Anemograms. Post Barograms.
TUESDAY, 28th.	\odot N 23° 3'. M 5h. 43m. ④ Last quarter 13h. 17m.	*179.
1917. Exceedingly heavy rain in Somerset. More than 150 mm. were measured in several places, 249 mm. (9·8 in.) at Bruton. This is the largest fall ever recorded in one day in any part of the United Kingdom. (See also Oct. 11.)		
WEDNESDAY, 29th.	\odot N 23° 3'. M 6h. 28m.	180.
S.S. Peter and Paul.		
THURSDAY, 30th.	\odot N 23° 3'. M 7h. 15m.	*181.
1879. First issue of forecasts during Harvest season.		Obs.—Send curves and tabulations.
FRIDAY, JULY 1st.	\odot N 23° 1'. M 8h. 5m.	182.
1910. Administration of Kew and Eskdale Observatories transferred to M.O.		
SATURDAY, 2nd.	\odot N 23° 1'. M 8h. 59m.	*183.
1919. Atlantic crossed by British rigid dirigible airship R.34, which left East Fortune, Scotland, at 1h. 42m., G.M.T., landing at Long Island at 14h. on July 6th.		Obs.—Close Journal, 26.

Times of Sunrise, Noon and Sunset, G.M.T., June 26th.

	h. m.				h. m.		
Wick	3	8	12 14	21	20	Cahiriveen	4 23 12 43 21 3
Aberdeen	3	16	12 11	21	6	Richmond	3 46 12 3 20 20
Eskdalemuir	3	34	12 15	20	56	Falmouth	4 13 12 23 20 32

Week 27. JULY 3RD TO JULY 9TH, 1921. Days 184 to 190.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JULY 3rd.	\odot N 23° 0'. M 9h. 57m.	184. Post Weekly Returns.
MONDAY, 4th.	\odot N 22° 9'. M 10h. 58m.	*185. Post Anemograms. Post Barograms. Post Monthly Climatological Returns.
TUESDAY, 5th.	\odot N 22° 8'. M 11h. 58m. ● New Moon 13h. 36m.	186.
1805. Admiral Robert FitzRoy, b. [d. 30 April 1865]. 1868. First issue of the Daily Weather Report for Sunday. 1920. Maximum temperature at several stations below 286a. At Richmond the mid-day reading was 283a.		
WEDNESDAY, 6th.	\odot N 22° 7'. M 12h. 59m.	*187.
Wedding day of the King and Queen. Birthday of Princess Victoria. 1840. William Clement Ley, Meteorologist, b. [d. 22 April 1896].		Flag Day.
THURSDAY, 7th.	\odot N 22° 6'. M 13h. 59m.	188. Obs.—Send curves and tabulations. Balloon day.
FRIDAY, 8th.	\odot N 22° 5'. M 14h. 55m.	*189.
1893. Thunder and hailstorms over England and S. Scotland. Hailstones 6–7 in. in circumference fell at Richmond, Yorks.—(Q.J.) 1892. Mt. Etna in eruption. 1905. Kashgar (China) earthquake.		
SATURDAY, 9th.	\odot N 22° 4'. M 15h. 49m.	190. Obs.—Close Journal, 27.
1845. George Howard Darwin, Natural Philosopher, b. [d. 7 Dec. 1912]. 1877. Administration of the Office transferred from the Meteorological Committee of the Royal Society to the Meteorological Council. 1892. Mt. Etna in eruption.		

Times of Sunrise, Noon and Sunset, G.M.T., July 3rd.

	h. m.				h. m.		
Wick	3	14	12 16	21	18	Cahiriveen	4 28 12 45 21 2
Aberdeen	3	21	12 12	21	3	Richmond	3 51 12 5 20 19
Eskdalemuir	3	39	12 17	20	54	Falmouth	4 17 12 24 20 31

Week 28. JULY 10TH TO JULY 16TH, 1921. Days 191 to 197.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JULY 10th. ☉ N 22° 3'. M 16h. 41m. 1913. Highest temperature on the surface of the Globe, 134° F. (330a) at Greenland Ranch, on the edge of the Death Valley (Inyo County, California). See U.S. Monthly Weather Review, June, 1915. 1918. Lowest minimum July temperature recorded at West Linton during 60 years (271a).		*191. Post Weekly Returns.
MONDAY, 11th. ☉ N 22° 2'. M 17h. 31m. 1855. Scottish Meteorological Society founded.		192. Post Anemograms. Post Barograms.
TUESDAY, 12th. ☉ N 22° 0'. M 18h. 21m. D First quarter 4h. 16m. 1901. Heavy rainfall at Maidenhead, 3·63 in. (92 mm.) in 1 hour. 1905. Final meeting of the Meteorological Council.		*193.
WEDNESDAY, 13th. ☉ N 21° 9'. M 19h. 10m.		194.
THURSDAY, 14th. ☉ N 21° 7'. M 19h. 59m. S.S. Processus and Martinian. 1857. Heavy rainfall over Monmouthshire, 5 in. (127 mm.) in 24 hrs.		*195. Obs.—Send curves and tabulations.
FRIDAY, 15th. ☉ N 21° 6'. M 20h. 49m. St. Swithin. 1881. Beginning of four days' spell of very hot weather over England S.E., 97·6° F. (309a) at Greenwich, 95° F. (308a) at Camden Square; and with abnormal exposure, 101° F. (311a) at Alton, Hants. 100° F. (311a) at Alderbury, Salisbury.—(S.M.) 1888. Bandai San in eruption.		196.
SATURDAY, 16th. ☉ N 21° 4'. M 21h. 38m.		*197. Obs.—Close Journal, 28.

Times of Sunrise, Noon and Sunset, G.M.T., July 10th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 22	12 16	21 11	Cahirciveen	4 34	12 46	20 58
Aberdeen ...	3 28	12 13	20 57	Richmond ...	3 57	12 6	20 15
Eskdalemuir	3 46	12 18	20 49	Falmouth ...	4 22	12 25	20 27

Week 29. JULY 17TH TO JULY 23RD, 1921. Days 198 to 204.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, JULY 17th. ☉ N 21° 3'. M 22h. 27m.		198. Post Weekly Returns.
MONDAY, 18th. ☉ N 21° 1'. M 23h. 15m. 1635. Robert Hooke, Experimental Philosopher, b. [d. 3 Mar. 1705.]		*199. Post Anemograms. Post Barograms.
TUESDAY, 19th. ☉ N 20° 9'. M —		200.
WEDNESDAY, 20th. ☉ N 20° 7'. M 0h. 2m. Full Moon 0h. 8m. St. Margaret. St. Jacob.		*201.
THURSDAY, 21st. ☉ N 20° 5'. M 0h. 47m.		202. Obs.—Send curves and tabulations.
FRIDAY, 22nd. ☉ N. 20° 3'. M 1h. 32m. St. Mary Magdalene. 1868. 96·6° F. (309a) at Greenwich. 100·5° F. (311a) at Tonbridge.		*203.
SATURDAY, 23rd. ☉ N 20° 1'. M 2h. 15m. St. James.		204. Obs.—Close Journal, 29.

Times of Sunrise, Noon and Sunset, G.M.T., July 17th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 34	12 18	21 2	Cahirciveen	4 41	12 47	20 52
Aberdeen ...	3 39	12 14	20 49	Richmond ...	4 5	12 7	20 9
Eskdalemuir	3 56	12 19	20 42	Falmouth ...	4 29	12 26	20 22

Week 30. JULY 24TH TO JULY 30TH, 1921. Days 205 to 211.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	
SUNDAY, JULY 24th. \odot N 19° 9'. M 2h. 57m. 1817. Sir Richard Strachey, Chairman of the Meteorological Council, b. [d. 12 Feb. 1908].	*205. Post Weekly Returns.
MONDAY, 25th. \odot N 19° 7'. M 3h. 40m. 1919. British Rainfall Organization transferred from the Trustees of that Organization to the Meteorological Office.	206. Post Anemograms. Post Barograms.
TUESDAY, 26th. \odot N 19° 5'. M 4h. 24m.	*207.
WEDNESDAY, 27th. \odot N 19° 3'. M 5h. 9m. 1801. Sir George Biddell Airy, Astronomer, b. [d. 2 Jan. 1892].	208.
THURSDAY, 28th. \odot N 19° 1'. M 5h. 57m. (Last quarter 2h. 20m.) 1911. Thunderstorm and "record" wind at South Kensington, 1.1 in. (28 mm.) of rain in 15 mins. Gust, 24.1 m/s (54 mi/hr), at 17h. 16m.	*209. Obs.—Send curves and tabulations.
FRIDAY, 29th. \odot N 18° 8'. M 6h. 47m. 1588. Spanish Armada finally dispersed by a storm.	210.
SATURDAY, 30th. \odot N 18° 6'. M 7h. 41m.	*211. Obs.—Close Journal, 30.

Times of Sunrise, Noon and Sunset, G.M.T., July 24th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	3 47	12 18	20 49	Cahirceveen	4 52	12 47	20 42
Aberdeen ...	3 52	12 15	20 38	Richmond ...	4 14	12 7	20 0
Eskdalemuir	4 6	12 19	20 31	Falmouth ...	4 39	12 27	20 14

Week 31. JULY 31ST TO AUGUST 6TH, 1921. Days 212 to 218.

Astronomical and Historical Notes.	Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.	
SUNDAY, JULY 31st. \odot N 18° 3'. M 8h. 39m. John Milne, Seismologist, d. 1913 [b. 1850]. 1920. At Blundellsands, wettest July since 1876. At Meltham, greatest July rainfall for 40 years.	212. Post Weekly Returns.
MONDAY, AUGUST 1st. \odot N 18° 1'. M 9h. 39m. Lammas Day. 1861. Weather forecasts first issued by Admiral FitzRoy in this month. 1910. First report by radiotelegraphy from Gibraltar.	*213. Post Anemograms. Post Barograms.
TUESDAY, 2nd. \odot N 17° 8'. M 10h. 40m. 1829. Great floods commenced in Moray. (See Account by Sir Thomas Dick Lauder.) 1906. Exceptionally destructive hailstorm over the east Midland Counties: value of uninsured crops destroyed estimated at £55,000.—(M.W.R.)	214.
WEDNESDAY, 3rd. \odot N 17° 6'. M 11h. 41m. ● New Moon 20h. 18m.	*215. Balloon day.
THURSDAY, 4th. \odot N 17° 3'. M 12h. 39m.	216. Obs.—Send curves and tabulations. Post Monthly Climatological Returns. Balloon day.
FRIDAY, 5th. \odot N 17° 10'. M 13h. 36m.	*217. Balloon day.
SATURDAY, 6th. \odot N 16° 8'. M 14h. 30m. 1838. George James Symons, founder of the British Rainfall Organization, b. [d. 10 Mar. 1900].	218. Obs.—Close Journal, 31.

Times of Sunrise, Noon and Sunset, G.M.T., July 31st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 1	12 18	20 35	Cahirceveen	5 1	12 47	20 34
Aberdeen ...	4 5	12 15	20 24	Richmond ...	4 24	12 7	19 50
Eskdalemuir	4 19	12 19	20 19	Falmouth ...	4 48	12 26	20 4

Week 32. AUGUST 7TH TO AUGUST 13TH, 1921. Days 219 to 225.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, AUGUST 7th.	☉ N 16.5°. M 15h. 23m. 1811. Elias Loomis, Meteorologist, b. [d. 14 Aug. 1889].	Post Weekly Returns. *219.
MONDAY, 8th.	☉ N 16.2°. M 16h. 15m.	Post Anemograms. 220. Post Barograms.
TUESDAY, 9th.	☉ N 15.9°. M 17h. 6m. 1911. Hottest day on record in London, 100° F. (311a) at Greenwich (Glaisher screen); 97° F. (309a) at South Kensington. 1912. Earthquake, Sea of Marmora.	*221.
WEDNESDAY, 10th.	☉ N 15.7°. M 17h. 56m. St. Lawrence. D First quarter 14h. 14m. 1675. Greenwich Observatory founded.	222.
THURSDAY, 11th.	☉ N 15.4°. M 18h. 46m.	*223. Obs.—Send curves and tabulations.
FRIDAY, 12th.	☉ N 15.1°. M 19h. 35m.	224
SATURDAY, 13th.	☉ N 14.8°. M 20h. 24m. 1819. Sir G. G. Stokes, Physicist, b. [d. 2 Feb. 1903].	*225. Obs.—Close Journal, 32.

Times of Sunrise, Noon and Sunset, G.M.T., August 7th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 18	12 18	20 18	Cahirciveen	5 13	12 47	20 22
Aberdeen ...	4 19	12 14	20 9	Richmond ...	4 35	12 7	19 39
Eskdalemuir	4 31	12 18	20 5	Falmouth ...	4 58	12 26	19 54

Week 33. AUGUST 14TH TO AUGUST 20TH, 1921. Days 226 to 232.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, AUGUST 14th.	☉ N 14.5°. M 21h. 13m.	Post Weekly Returns. 226.
MONDAY, 15th.	☉ N 14.2°. M 22h. 0m. Assumption of the B.V.M.	*227. M.O.—Half-yearly issue of cards to Sunshine stations. Post Anemograms. Post Barograms.
TUESDAY, 16th.	☉ N 13.9°. M 22h. 45m. 1887. Beginning of two days' thunderstorm over the metropolis.—(S.M.)	228.
WEDNESDAY, 17th.	☉ N 13.5°. M 23h. 30m.	*229.
THURSDAY, 18th.	☉ N 13.2°. M ——— ☉ Full Moon 15h. 28m.	230. Obs.—Send curves and tabulations.
FRIDAY, 19th.	☉ N 12.9°. M 0h. 14m.	*231.
SATURDAY, 20th.	☉ N 12.6°. M 0h. 57m.	232. Obs.—Close Journal, 33.

Times of Sunrise, Noon and Sunset, G.M.T., August 14th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	4 34	12 17	20 0	Cahirciveen	5 25	12 46	20 8
Aberdeen ...	4 33	12 13	19 53	Richmond ...	4 46	12 6	19 26
Eskdalemuir	4 44	12 17	19 50	Falmouth ...	5 8	12 25	19 41

Week 34. AUGUST 21ST TO AUGUST 27TH, 1921. Days 233 to 239.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary. Last week of Summer Quarter.
SUNDAY, AUGUST 21st.	☉ N 12° 2'. M 1h. 39m.	*233. Post Weekly Returns.
MONDAY, 22nd.	☉ N 11° 9'. M 2h. 23m.	234. Post Anemograms. Post Barograms.
TUESDAY, 23rd.	☉ N 11° 5'. M 3h. 7m. 1853. First meeting of Maritime Conference at Brussels.	*235.
WEDNESDAY, 24th.	☉ N 11° 2'. M 3h. 53m. St. Bartholomew. 79. Eruption of Vesuvius.	236.
THURSDAY, 25th.	☉ N 10° 9'. M 4h. 42m. 1919. Regular Air Service between London and Paris inaugurated.	*237. Obs.—Send curves and tabu- lations.
FRIDAY, 26th.	☉ N 10° 5'. M 5h. 53m. ☾ Last quarter 12h. 51m. 1883. Krakatoa eruption. 1912. Flood rainfall in East Anglia. More than 8 in. (203 mm.) rain near Norwich.—(Q.J. Vol. XXXIX.)	238.
SATURDAY, 27th.	☉ N 10° 2'. M 6h. 27m.	*239. Obs.—Close Journal, 34.

Times of Sunrise, Noon and Sunset, G.M.T., August 21st.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	4 49	12 15	19 42	Cahirceveen	5 36	12 44	19 53
Aberdeen	4 47	12 12	19 36	Richmond	4 56	12 4	19 12
Eskdalemuir	4 58	12 16	19 34	Falmouth	5 18	12 23	19 28

Week 35. AUGUST 28TH TO SEPTEMBER 3RD, 1921. Days 240 to 246.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary. First week of Autumn Quarter.
SUNDAY, AUGUST 28th.	☉ N 9° 8'. M 7h. 24m.	240. Post Weekly Returns.
MONDAY, 29th.	☉ N 9° 5'. M 8h. 23m.	*241. Post Anemograms. Post Barograms.
TUESDAY, 30th.	☉ N 9° 1'. M 9h. 23m. 55 B.C. Violent gale. Great damage to Julius Caesar's Fleet. (Date calculated by Halley.)— (LOWE.) 1908. Temperature 188° 7a at 19,300m. above Victoria Nyanza.	242.
WEDNESDAY, 31st.	☉ N 8° 8'. M 10h. 21m. 1848. Publication in the "Daily News" of the earliest known telegraphic Daily Weather Report.—(Q.J.)	*243. M.O. Geophysical Journal, June Copy day. Sunshine Stations. Equi- noctial Cards (straight) to be used from Sept. 1st until Oct. 12th.
THURSDAY, SEPTEMBER 1st.	☉ N 8° 4'. M 11h. 18m.	244. Obs.—Send curves and tabu- lations.
FRIDAY, 2nd.	☉ N 8° 0'. M 12h. 14m. ● New Moon 3h. 33m. 1859. Magnetic Storm.	*245.
SATURDAY, 3rd.	☉ N 7° 7'. M 13h. 9m. 1860. First Telegraphic Daily Weather Report prepared at the Meteorological Department.	246. Post Monthly Climato- logical Returns. Obs.—Close Journal, 35.

Times of Sunrise, Noon and Sunset, G.M.T., August 28th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick	5 5	12 13	19 21	Cahirceveen	5 47	12 42	19 38
Aberdeen	5 2	12 10	19 17	Richmond	5 8	12 2	18 57
Eskdalemuir	5 11	12 14	19 16	Falmouth	5 29	12 22	19 11

Week 36. SEPTEMBER 4TH TO SEPTEMBER 10TH, 1921. Days 247 to 253.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, SEPTEMBER 4th. ☉ N 7° 3'. M 14h. 3m. 1918. Hurricane at Bermuda. Wind run 1,228 miles in 24 hours (average 51 mi/hr).	*247. Post Weekly Returns.
MONDAY, 5th. ☉ N 6° 9'. M 14h. 55m. 1862. Glaisher and Coxwell ascended in a balloon from Wolverhampton to an altitude estimated at 7 miles above the earth.	248. Post Anemograms. Post Barograms.
TUESDAY, 6th. ☉ N 6° 6'. M 15h. 48m. 1865. Hurricane devastated Guadeloupe. Baro- meter fell 57 mb. in 70 m.—(Buchan, Handy Book of Meteorology, p. 266.) 1766. John Dalton, Natural Philosopher, b. [d. 27 July 1844]. 1920. Retirement of Sir Napier Shaw from the Directorship of the Meteorological Office.	*249.
WEDNESDAY, 7th. ☉ N 6° 2'. M 16h. 39m.	250.
THURSDAY, 8th. ☉ N 5° 8'. M 17h. 30m.	*251. Obs.—Send curves and tabu- lations. Balloon day.
FRIDAY, 9th. ☉ N 5° 4'. M 18h. 20m. D First quarter 3h. 30m.	252.
SATURDAY, 10th. ☉ N 5° 0'. M 19h. 9m. 1903. Beginning of two days' Circular Storm: wind velocity 28·6 m/s (64 mi/hr), Scilly. Hurricane at Nassau, Bahamas. Wind velocity estimated at 90 mi/hr.	*253. Obs.—Close Journal, 36.

Times of Sunrise, Noon and Sunset, G.M.T., September 4th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	5 19	12 10	19 2	Cahirciveen	5 58	12 40	19 22
Aberdeen ...	5 16	12 8	18 58	Richmond...	5 19	12 0	18 41
Eskdalemuir	5 24	12 12	18 59	Falmouth ...	5 39	12 19	18 58

Week 37. SEPTEMBER 11TH TO SEPTEMBER 17TH, 1921. Days 254 to 260.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.	Diary.
SUNDAY, SEPTEMBER 11th. ☉ N 4° 7'. M 19h. 56m.	254. Post Weekly Returns.
MONDAY, 12th. ☉ N 4° 3'. M 20h. 42m.	*255. Post Anemograms. Post Barograms. International Meteorological Committee meets.
TUESDAY, 13th. ☉ N 3° 9'. M 21h. 27m.	256 M.O.—Quarterly issue of forms.
WEDNESDAY, 14th. ☉ N 3° 5'. M 22h. 11m. 1769. Alexander von Humboldt, Geographer, b. [d. 6 May 1859]. 1752. New Style introduced in England, 14th followed 2nd September.	*257.
THURSDAY, 15th. ☉ N 3° 1'. M 22h. 55m. 1784. First balloon ascent made in England (Artillery Ground, Moorfields) by Lunardi.	258. Obs.—Send curves and tabu- lations.
FRIDAY, 16th. ☉ N 2° 8'. M 23h. 38m. 1863. First Daily Weather Map for Europe issued by Leverrier, of the Bureau Central Météorologique, Paris.	*259.
SATURDAY, 17th. ☉ N 2° 4'. M ——— Full Moon 7h. 20m. 1917. Summer Time ended.	260. Obs.—Close Journal, 37.

Times of Sunrise, Noon and Sunset, G.M.T., September 11th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	5 35	12 9	18 43	Cahirciveen	6 10	12 38	19 6
Aberdeen ...	5 31	12 5	18 39	Richmond...	5 31	11 58	18 25
Eskdalemuir	5 38	12 10	18 42	Falmouth ...	5 50	12 17	18 43

Week 38. SEPTEMBER 18TH TO SEPTEMBER 24TH, 1921. Days 261 to 267.

Astronomical and Historical Notes.

Sun's declination, \odot , and hour of Moon's Southing
in Local Mean Time, M.

Diary.

SUNDAY, SEPTEMBER 18th. \odot N 2°0'. M 0h. 21m. *261.
1839. Dr. John Aitken, Physicist, b. [d. 13 Nov. 1920.] Post Weekly Returns.

MONDAY, 19th. \odot N 1°6'. M 1h. 6m. 262.
Post Anemograms.
Post Barograms.

TUESDAY, 20th. \odot N 1°2'. M 1h. 52m. *263.

WEDNESDAY, 21st. \odot N 0°8'. M 2h. 40m. 264.
1920. Grass minimum temperature at Howden 269a, at Renfrew 270a.

THURSDAY, 22nd. \odot N 0°4'. M 3h. 30m. *265.
1885. Bar. 27·135 in. (917 mb.). at False Point, Orissa (reduced to sea level and temp. 32° F.).
—(Q.J.) Obs.—Send curves and tabulations.

FRIDAY, 23rd. \odot 0°0'. M 4h. 22m. 266.
Autumnal equinox.
1762. James Horsburgh b. [d. 14 May 1836].

SATURDAY, 24th. \odot S 0°4'. M 5h. 17m. *267.
(Last quarter 21h. 18m. Obs.—Close Journal, 38.

Times of Sunrise, Noon and Sunset, G.M.T., September 18th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	5 49	12 6	18 23	Cahirciveen	6 20	12 35	18 50
Aberdeen ...	5 45	12 3	18 20	Richmond ...	5 41	11 55	18 9
Eskdalemuir	5 51	12 7	18 23	Falmouth ...	6 1	12 15	18 28

Week 39. SEPTEMBER 25TH TO OCTOBER 1ST, 1921. Days 268 to 274.

Astronomical and Historical Notes.

Sun's declination, \odot , and hour of Moon's Southing
in Local Mean Time, M.

Diary.

SUNDAY, SEPTEMBER 25th. \odot S 0°7'. M 6h. 13m. 268.
1909. Magnetic Storm.
1905. Barometer 27·171 in. (918 mb.); on board s.s. "Pathfinder" 12° 10' N., 125° 31' E.—
(Q.J. 1909.) Post Weekly Returns.

MONDAY, 26th. \odot S 1°1'. M 7h. 10m. *269.
Post Anemograms.
Post Barograms.

TUESDAY, 27th. \odot S 1°5'. M 8h. 7m. 270.

WEDNESDAY, 28th. \odot S 1°9'. M 9h. 3m. *271.
1919. Summer Time ended.

THURSDAY, 29th. \odot S 2°3'. M 9h. 58m. 272.
Michaelmas Day.
1918. Summer Time ended. Obs.—Send curves and tabulations.

FRIDAY, 30th. \odot S 2°7'. M 10h. 53m. *273.
1867. First Thermograph record from Kew Obs.
Indian Summer, North America, begins.
1908. Hurricane at Nassau, Bahamas Barometer fell to 970 mb.
1916. Summer Time ended. P.O. and Railway clocks put back one hour.
1919. Frost in the screen at Kew Obs. (earliest on record for second half of the year.)

SATURDAY, OCTOBER 1st. \odot S 3°1'. M 11h. 47m. 274.
● New Moon 12h. 26m.
1904. Ben Nevis Observatory closed.
1866. Bahamas. Barometer fell 24 mb. in an hour.
—(BUCHAN.)
1919. Meteorological Office transferred to the Air Ministry. Obs.—Close Journal, 39.

Times of Sunrise, Noon and Sunset, G.M.T., September 25th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	6 4	12 3	18 2	Cahirciveen	6 33	12 33	18 33
Aberdeen ...	5 59	12 0	18 1	Richmond ...	5 53	11 53	17 53
Eskdalemuir	6 4	12 5	18 5	Falmouth ...	6 11	12 12	18 12

Week 40. OCTOBER 2ND TO OCTOBER 8TH, 1921. Days 275 to 281.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, OCTOBER 2nd.	{ ☉ S 3° 5'. M 12h. 41m.	*275. Post Weekly Returns.
MONDAY, 3rd.	☉ S 3° 9'. M 13h. 34m.	276. Post Anemograms. Post Barograms.
TUESDAY, 4th.	☉ S 4° 2'. M 14h. 27m. 1920. Dr. Max Margules, Meteorologist and Chemist, d. [b. 1856].	*277. Post Monthly Climato- logical Returns.
WEDNESDAY, 5th.	☉ S 4° 6'. M 15h. 20m. 1091. S.W. gale over most of England. In London 500 houses were destroyed.—(LOWE.)	278.
THURSDAY, 6th.	☉ S 5° 0'. M 16h. 11m. 1803. Heinrich Wilhelm Dove, Author of "The Law of Storms," b. [d. 4 Apr. 1879]. 1863. Hereford earthquake.—(Q. J.)	*279. Obs.—Send curves and tabu- lations. Balloon day.
FRIDAY, 7th.	☉ S 5° 4'. M 17h. 2m.	280.
SATURDAY, 8th.	☉ S 5° 8'. M 17h. 51m. ▷ First quarter 20h. 12m.	*281. Obs.—Close Journal, 40.

Times of Sunrise, Noon and Sunset, G.M.T., October 2nd.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	6 21	12 1	17 41	Cahirceveen	6 44	12 30	18 16
Aberdeen ...	6 14	11 58	17 41	Richmond ...	6 4	11 50	17 36
Eskdalemuir	6 17	12 2	17 47	Falmouth ...	6 22	12 10	17 57

Week 41. OCTOBER 9TH TO OCTOBER 15TH, 1921. Days 282 to 288.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, OCTOBER 9th.	☉ S 6° 2'. M 18h. 38m.	282. Post Weekly Returns.
MONDAY, 10th.	☉ S 6° 5'. M 19h. 23m. 1731. Henry Cavendish, Natural Philosopher, b. [d. 10th March 1810]. 1817. Buys Ballot, Dutch Meteorologist, b. [d. 3rd Feb. 1890].	*283. Post Anemograms. Post Barograms.
TUESDAY, 11th.	☉ S 6° 9'. M 20h. 7m. 1916. Exceedingly heavy rain in W. Highlands, 208 mm. (8·20 in.), at Kinlochquoich, Inverness- shire; up to that date the largest daily fall recorded in any part of the United Kingdom. (See also June 28.)	284.
WEDNESDAY, 12th.	☉ S 7° 3'. M 20h. 51m.	*285. Sunshine stations. Winter cards to be used from 13th Oct. and until 28th Feb. 1921.
THURSDAY, 13th.	☉ S 7° 7'. M 21h. 34m. 1881. Two days' gale over British Isles began.	286. Obs.—Send curves and tabu- lations.
FRIDAY, 14th.	☉ S 8° 0'. M 22h. 17m. 1788. Sir Edward Sabine, Meteorologist and Magnetician, b. [d. 26th June. 1883]. 1881. Gale ended. Greatest hourly wind velocity 23·3 m/s (52 mi/hr), Holyhead.	*287.
SATURDAY, 15th.	☉ S 8° 4'. M 23h. 2m. 1582. New Style introduced in Rome, Spain, Portugal, and part of Italy by Pope Gregory XIII. when the 15th October followed the 5th. 1919. First Meeting of the Meteorological Committee at the Air Ministry.	288. Obs.—Close Journal, 41.

Times of Sunrise, Noon and Sunset, G.M.T., October 9th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	6 37	11 59	17 21	Cahirceveen	6 56	12 28	18 0
Aberdeen ...	6 29	11 56	17 23	Richmond ...	6 16	11 48	17 20
Eskdalemuir	6 31	12 0	17 29	Falmouth ...	6 33	12 8	17 42

Week 42. OCTOBER 16TH TO OCTOBER 22ND, 1921. Days 289 to 295.

Astronomical and Historical Notes.
Sun's declination, \odot , and hour of Moon's Southing
in Local Mean Time, M.
Last week of Wheat-growing period Western
Australia. (Meteorological Map, Western
Australia 1908.)

Diary.

SUNDAY, OCTOBER 16th. \odot S 8° 8'. M 23h. 48m.
 \bigcirc Full Moon 23h.
1906. Daily telegraphic reports first received at
the Meteorological Office from Iceland and the
Farøe Is.

*289.
Post Weekly Returns.

MONDAY, 17th. \odot S 9° 2'. M —
1883. Ben Nevis Observatory opened.

290.
Post Anemograms.
Post Barograms.

TUESDAY, 18th. \odot S 9° 5'. M 0h. 36m.

*291.

WEDNESDAY, 19th. \odot S 9° 9'. M 1h. 26m.

292.

THURSDAY, 20th. \odot S 10° 2'. M 2h. 18m.

*293.
Obs.—Send curves and tabu-
lations.

FRIDAY, 21st. \odot S 10° 6'. M 3h. 13m.
Average date of commencement of Harmattan
in Northern Provinces of Nigeria.

294.

SATURDAY, 22nd. \odot S 11° 0'. M 4h. 9m.
1819. Henry Toynbee, Marine Superintendent.
M.O., b. [d. 29th Mar. 1909].

*295.
Obs.—Close Journal, 42.

Times of Sunrise, Noon and Sunset, G.M.T., October 16th.

	h. m.				h. m.		
	h.	m.		h.	m.		h. m.
Wick ...	6	52	11 57	17	3	Cahirciveen	7 9 12 27 17 44
Aberdeen ...	6	44	11 54	17	3	Richmond ...	6 28 11 47 17 5
Eskdalemuir	6	45	11 59	17	12	Falmouth ...	6 44 12 6 17 28

Week 43. OCTOBER 23RD TO OCTOBER 29TH, 1921. Days 296 to 302.

Astronomical and Historical Notes.
Sun's declination, \odot , and hour of Moon's Southing
in Local Mean Time, M.

Diary.

SUNDAY, OCTOBER 23rd. \odot S 11° 3'. M 5h. 5m.

296.
Post Weekly Returns.

MONDAY, 24th. \odot S 11° 7'. M 6h. 0m.
 \bigcirc Last quarter 4h. 32m.
1902. Santa Maria eruption.
1858. Hurricane at Bermuda. Wind velocity
reached about 100 mi/hr.

*297.
Post Anemograms.
Post Barograms.

TUESDAY, 25th. \odot S 12° 0'. M 6h. 55m.
1920. Summer time ended.

298.

WEDNESDAY, 26th. \odot S 12° 4'. M 7h. 49m.

*299.

THURSDAY, 27th. \odot S 12° 7'. M 8h. 42m.
1913. Tornadoes in South Wales and Shropshire.
—(G.M. 11.)

300.
Obs.—Send curves and tabu-
lations.

FRIDAY, 28th. \odot S 13° 0'. M 9h. 34m.

*301.

SATURDAY, 29th. \odot S 13° 4'. M 10h. 27m.
1656. Edmund Halley, Magnetician, Astronomer
and Meteorologist, b. [d. 14th Jan. 1724].
1898. Tornado at Camberwell.—(Q.J.)

302.
Obs.—Close Journal, 43.

Times of Sunrise, Noon and Sunset, G.M.T., October 23rd.

	h. m.				h. m.		
	h.	m.		h.	m.		h. m.
Wick ...	7	8	11 56	16	44	Cahirciveen	7 21 12 25 17 30
Aberdeen ...	7	0	11 53	16	46	Richmond ...	6 40 11 45 16 50
Eskdalemuir	6	59	11 57	16	54	Falmouth ...	6 56 12 5 17 13

Week 44. OCTOBER 30TH TO NOVEMBER 5TH, 1921. Days 303 to 309.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, OCTOBER 30th.	\odot S 13·7°. M 11h. 20m. ● New Moon 23h. 39m. 1868. Hereford earthquake.—(S.M.)	*303. Post Weekly Returns.
MONDAY, 31st.	\odot S 14·0°. M 12h. 13m.	304. Post Anemograms. Post Barograms.
TUESDAY, NOVEMBER 1st.	\odot S 14·4°. M 13h. 6m. 1828. Balfour Stewart, Magnetician and Solar Physicist, Superintendent of Kew Observatory, b. [d. 19 Dec. 1887].	*305.
WEDNESDAY, 2nd.	\odot S 14·7°. M 13h. 59m. 1826. Henry John Stephen Smith, Mathematician, Chairman of Meteorological Council, b. [d. 9 Feb. 1883].	306.
THURSDAY, 3rd.	\odot S 15·0°. M 14h. 51m.	*307. Obs.—Send curves and tabulations. Balloon day.
FRIDAY, 4th.	\odot S 15·3°. M 15h. 42m.	308. Post Monthly Climatological Returns.
SATURDAY, 5th.	\odot S 15·6°. M 16h. 30m. 1855. Léon Philippe Teisserenc de Bort, Magnetician and Meteorologist, b. [d. 2 Jan. 1913]. Strongest gust of 1911, 40·2 m/s (90 mi/hr), Eskdalemuir.	*309. Obs.—Close Journal, 44.

Times of Sunrise, Noon and Sunset, G.M.T., October 30th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	7 25	11 55	16 26	Cahirceiveen	7 33	12 25	17 17
Aberdeen ...	7 15	11 52	16 28	Richmond ...	6 52	11 45	16 38
Eskdalemuir	7 14	11 57	16 39	Falmouth ...	7 7	12 4	17 0

Week 45. NOVEMBER 6TH TO NOVEMBER 12TH, 1921. Days 310 to 316.

Astronomical and Historical Notes.		Diary.
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, NOVEMBER 6th.	\odot S 15·9°. M 17h. 17m.	310. Post Weekly Returns.
MONDAY, 7th.	\odot S 16·2°. M 18h. 2m. D First quarter 15h. 54m.	*311. Post Anemograms. Post Barograms.
TUESDAY, 8th.	\odot S 16·5°. M 18h. 45m.	312.
WEDNESDAY, 9th.	\odot S 16·8°. M 19h. 28m.	*313.
THURSDAY, 10th.	\odot S 17·1°. M 20h. 11m.	314. Obs.—Send curves and tabulations.
FRIDAY, 11th.	\odot S 17·4°. M 20h. 55m.	*315.
SATURDAY, 12th.	\odot S 17·6°. M 21h. 41m. 1842. Lord Rayleigh, Physicist and Mathematician, b. [d. 30th June, 1919]. 1897. 8·03 in. (204 mm.) rain at Seathwaite.	316. Obs.—Close Journal, 45.

Times of Sunrise, Noon and Sunset, G.M.T., November 6th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	7 42	11 56	16 10	Cahirceiveen	7 46	12 25	17 4
Aberdeen ...	7 31	11 52	16 13	Richmond ...	7 6	11 45	16 25
Eskdalemuir	7 29	11 57	16 25	Falmouth ...	7 19	12 4	16 49

Week 46. NOVEMBER 13TH TO NOVEMBER 19TH, 1921. Days 317 to 323.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		
SUNDAY, NOVEMBER 13th.	☉ S 17.9°. M 22h. 28m.	*317. Post Weekly Returns.
1919. Commencement of a spell of three days of intense cold in Scotland. Maximum temperature at Aberdeen below 25° F. (269a) throughout.		
MONDAY, 14th.	☉ S 18.2°. M 23h. 18m.	318. Post Anemograms. Post Barograms.
1896. First International balloon ascents for Meteorological investigation. 1919. Minimum Temperature at Balmoral, -6° F. (252a).		
TUESDAY, 15th.	☉ S 18.4°. Full Moon 13h. 39m.	*319.
WEDNESDAY, 16th.	☉ S 18.7°. M 0h. 10m.	320.
1893. Beginning of five days' great storm over the British Isles: wind velocity, 21 m/s. (47 mi/hr), Holyhead. 1878. Greatest flood in Norwich since 1646 [Nov. 15].—Woodward, Geol. Survey Memoir.		
THURSDAY, 17th.	☉ S 18.9°. M 1h. 6m.	*321. Obs.—Send curves and tabulations.
1840. Fourth Earl of Rosse, Astronomer, b. [d. 30 Aug. 1908]. 1894. Slough left without any water for three days, the waterworks being submerged.—Upton, Bucks. Brief Climatological Index. Paws, 182 volume.		
FRIDAY, 18th.	☉ S 19.2°. M 2h. 2m.	322.
1918. Issue of Weather Reports to newspapers resumed.		
SATURDAY, 19th.	☉ S 19.4°. M 3h. 0m.	*323. Obs.—Close Journal, 46.

Times of Sunrise, Noon and Sunset, G.M.T., November 13th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	7 58	11 56	15 55	Cahirciveen	7 59	12 25	16 52
Aberdeen ...	7 47	11 53	15 58	Richmond ...	7 17	11 45	16 14
Eskdalemuir	7 43	11 57	16 11	Falmouth ...	7 31	12 5	16 39

Week 47. NOVEMBER 20TH TO NOVEMBER 26TH, 1921. Days 324 to 330.

Astronomical and Historical Notes.		Diary.
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Last week of Autumn Quarter.
SUNDAY, NOVEMBER 20th.	☉ S 19.6°. M 3h. 56m.	324. Post Weekly Returns.
1918. Current issue of Daily Weather Report resumed.		
MONDAY, 21st.	☉ S 19.9°. M 4h. 52m.	*325. Post Anemograms. Post Barograms.
TUESDAY, 22nd.	☉ S 20.1°. M 5h. 45m. ☾ Last quarter 11h. 41m.	326.
1915. Issue of Gale Warnings to public suspended.		
WEDNESDAY, 23rd.	☉ S 20.3°. M 6h. 38m.	*327.
THURSDAY, 24th.	☉ S 20.5°. M 7h. 29m.	328. Obs.—Send curves and tabulations.
1715. Fair on the river Thames. Frost lasted till February 9th, 1716.—(LOWE.)		
FRIDAY, 25th.	☉ S 20.7°. M 8h. 20m.	*329.
1890. Frost commenced and continued almost uninterruptedly until Jan. 22nd, 1891.—(Q.J., 1901.)		
SATURDAY, 26th.	☉ S 20.9°. M 9h. 11m.	330. Obs.—Close Journal, 47.
1703. Defoe's Great Storm, South of England.—(Phil. Trans.) Birthday of the Queen of Norway.		Flag Day.

Times of Sunrise, Noon and Sunset, G.M.T., November 20th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	8 14	11 58	15 42	Cahirciveen	8 11	12 27	16 43
Aberdeen ...	8 2	11 54	15 46	Richmond ...	7 29	11 47	16 5
Eskdalemuir	7 57	11 58	15 59	Falmouth ...	7 42	12 6	16 30

Week 48. NOVEMBER 27TH TO DECEMBER 3RD, 1921. Days 331 to 337.

Astronomical and Historical Notes.		Diary.	
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.		First week of Winter Quarter.	
SUNDAY, NOVEMBER 27th. ADVENT SUNDAY. 1701. Anders Celsius, Physicist, b. [d. 25 April, 1744].		*331. Post Weekly Returns.	
MONDAY, 28th. \odot S 21° 3'. M 10h. 55m. 1772. Luke Howard, Chemist and Meteorologist, b. [d. 21 Mar. 1864].		332. Post Anemograms. Post Barograms.	
TUESDAY, 29th. \odot S 21° 4'. M 11h. 48m. ● New Moon 13h. 26m. 1911. 2·47 mins. (63 mm.) of rain fell in 3 minutes at Porto Bello on the Atlantic Coast of Panama (M.W.R. May 1920, p. 274).		*333.	
WEDNESDAY, 30th. \odot S 21° 6'. M 12h. 40m. St. Andrew.		334.	
THURSDAY, DECEMBER 1st. \odot S 21° 8'. M 13h. 32m. Birthday of Queen Alexandra.		*335. Obs.—Send curves and tabulations. Flag Day.	
FRIDAY, 2nd. \odot S 21° 9'. M 14h. 22m.		336.	
SATURDAY, 3rd. \odot S 22° 1'. M 15h. 10m. 1909. "Ellan Vannin" storm, Irish Sea. 1838. Cleveland Abbe, Meteorologist, b. [d. 28 October 1916].		*337. Obs.—Close Journal, 48. Post Monthly Climatological Returns.	

Times of Sunrise, Noon and Sunset, G.M.T., November 27th.

	h. m.				h. m.		
Wick	8	31	11	Cahirciveen	8	22	12
Aberdeen	8	17	11	Richmond	7	40	11
Eskdalemuir	8	10	12	Falmouth	7	53	12

Week 49. DECEMBER 4TH TO DECEMBER 10TH, 1921. Days 338 to 344.

Astronomical and Historical Notes.		Diary.	
Sun's declination, \odot , and hour of Moon's Southing in Local Mean Time, M.			
SUNDAY, DECEMBER 4th. \odot S 22° 2'. M 15h. 56m. 1879. —18° F. (245a) at Killoe House, and —23° F. (242·4a), (2 ft. from ground) at Blackadder, both in Berwickshire.—(Q.J., Vol. VI.) 1913. Temperature at 16h. over Batavia 182a.		338. Post Weekly Returns.	
MONDAY, 5th. \odot S 22° 3'. M 16h. 40m.		*339. Post Anemograms. Post Barograms.	
TUESDAY, 6th. \odot S 22° 5'. M 17h. 23m. 1913. Eruption of Mt. Benbow, New Hebrides.		340.	
WEDNESDAY, 7th. \odot S 22° 6'. M 18h. 6m. First quarter 13h. 20m. 1866. Suspension of the issue of "Cautionary Storm Warnings" by the Meteorological Department of the Board of Trade. 1912. Highest sounding with registering balloon, Pavia, 37,700 metres (23½ miles).—(La Nature, No. 2,068, 11 Jan., 1913.)		*341. Balloon day.	
THURSDAY, 8th. \odot S 22° 7'. M 18h. 48m.		342. Obs.—Send curves and tabulations. Balloon day.	
FRIDAY, 9th. \odot S 22° 8'. M 19h. 32m.		*343. Balloon day.	
SATURDAY, 10th. \odot S 22° 9'. M 20h. 18m. 1881. Loss of balloon "Saladin" with Mr. Walter Powell, M.P.—(Annual Report, 1881-82.)		344. Obs.—Close Journal, 49.	

Times of Sunrise, Noon and Sunset, G.M.T., December 4th.

	h. m.				h. m.		
Wick	8	44	12	Cahirciveen	8	32	12
Aberdeen	8	29	11	Richmond	7	50	11
Eskdalemuir	8	22	12	Falmouth	8	3	12

Week 50. DECEMBER 11TH TO DECEMBER 17TH, 1921. Days 345 to 351.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, DECEMBER 11th.	☉ S 23° 0'. M 21h. 6m.	*345. Post Weekly Returns.
MONDAY, 12th.	☉ S 23° 1'. M 21h. 57m.	346. Post Anemograms. Post Barograms.
TUESDAY, 13th. 1805. Johann von Lamont, Meteorologist, b. [d. 6 Aug. 1879].	☉ S 23° 1'. M 22h. 52m.	*347.
WEDNESDAY, 14th. Birthday of Prince Albert.	☉ S 23° 2'. M 23h. 49m.	348. Flag Day.
THURSDAY, 15th.	☉ S 23° 3'. M — ☉ Full Moon 2h. 50m.	*349. Obs.—Send curves and tabu- lations.
FRIDAY, 16th. 1911. R. Amundsen, Norwegian Explorer, at the South Pole.	☉ S 23° 3'. M 0h. 48m.	350.
SATURDAY, 17th. 1896. Hereford earthquake.—(DAVISON.) 1774. Sir Francis Beaufort b. [d. 1857].	☉ S 23° 4'. M 1h. 47m.	*351. Obs.—Close Journal, 50.

Times of Sunrise, Noon and Sunset, G.M.T., December 11th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	8 54	12 4	15 15	Cahirciveen ...	8 41	12 34	16 27
Aberdeen ...	8 40	12 2	15 23	Richmond ...	7 58	11 54	15 51
Eskdalemuir ...	8 32	12 6	15 40	Falmouth ...	8 11	12 13	16 15

Week 51. DECEMBER 18TH TO DECEMBER 24TH, 1921. Days 352 to 358.

Astronomical and Historical Notes. Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.		Diary.
SUNDAY, DECEMBER 18th.	☉ S 23° 4'. M 2h. 45m.	352. Post Weekly Returns.
MONDAY, 19th.	☉ S 23° 4'. M 3h. 41m.	*353. Post Anemograms. Post Barograms.
TUESDAY, 20th. Birthday of Prince George. 1896. "Barometer 31.717 in. at Irkutsk" (1003.5 mb. at station level reduced to 1072 mb. sea level).	☉ S 23° 4'. M 4h. 35m.	354. Flag Day.
WEDNESDAY, 21st. St. Thomas. St. Lucia.	☉ S 23° 4'. M 5h. 27m. ☾ Last quarter 19h. 54m.	*355.
THURSDAY, 22nd.	☉ S 23° 4'. M 6h. 18m.	356. Obs.—Send curves and tabu- lations.
FRIDAY, 23rd.	☉ S 23° 4'. M 7h. 8m.	*357.
SATURDAY, 24th. 1736. Very high tide in London; the River Thames flowed into Westminster Hall.— (Baker's "Record of the Seasons.") 1818. James Prescott Joule, Physicist, b. [d. Oct. 11, 1889].	☉ S 23° 4'. M 7h. 58m.	358. Obs.—Close Journal, 51.

Times of Sunrise, Noon and Sunset, G.M.T., December 18th.

	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.
Wick ...	9 2	12 9	15 16	Cahirciveen ...	8 48	12 38	16 28
Aberdeen ...	8 48	12 5	15 22	Richmond ...	8 5	11 58	15 51
Eskdalemuir ...	8 38	12 9	15 40	Falmouth ...	8 17	12 17	16 16

Week 52. DECEMBER 25TH TO DECEMBER 31ST, 1921. Days 359 to 365.

Astronomical and Historical Notes.			Diary.		
Sun's declination, ☉, and hour of Moon's Southing in Local Mean Time, M.					
SUNDAY, DECEMBER 25th.			*359. Post Weekly Returns.		
CHRISTMAS DAY. 1860. Carstairs. Exposed therm. fell to -20° F. —(BUCHAN.) Buxton. "Temp. 4 ft. above ground was 8° below zero, and on the grass $13^{\circ}8'$ below zero, or $45^{\circ}8'$ of frost."—(Mr. G. T. Lowe in "The Times.") 1642. Sir Isaac Newton b. [d. 20 Mar. 1727].					
MONDAY, 26th.			360. Post Anemograms. Post Barograms.		
St. Stephen. ☉ S $23^{\circ}4'$. M 9h 41m.					
TUESDAY, 27th.			*361.		
St. John. ☉ S $23^{\circ}3'$. M 10h. 32m. 1852. Barometer 27.98 in. (949mb.), at Culloden.					
WEDNESDAY, 28th.			362.		
Innocents Day. ☉ S $23^{\circ}3'$. M 11h. 24m. 1879. Tay Bridge Storm. 1908. Messina Earthquake.					
THURSDAY, 29th.			*363. Obs.—Send curves and tabu- lations.		
☉ S $23^{\circ}2'$. M 12h. 14m. ● New Moon, 5h. 39m.					
FRIDAY, 30th.			364.		
☉ S $23^{\circ}2'$. M 13h. 3m.					
SATURDAY, 31st.			*365. Obs.—Close Journal, 52. M.O.—Geophysical Journal, October Copy day.		
☉ S $23^{\circ}1'$. M 13h. 50m.					

Times of Sunrise, Noon and Sunset, G.M.T., Dec. 25th.

	h. m.				h. m.		
Wick	9	4	12 11	15	19		
Aberdeen	8	51	12	8	15	25	
Eskdalemuir	8	42	12	13	15	44	
Cahiriveen	8	51	12	41	16	32	
Richmond	8	8	12	1	15	54	
Falmouth	8	21	12	20	16	19	

DATES OF BEGINNING OF THE YEAR AND SEASONS OF THE WEEKLY WEATHER REPORTS, VOLS. XXXIX TO LXIII.

Year.	Year of Weekly Report and date of beginning.	No. of weeks in year.	Spring begins.	Summer begins.	Autumn begins.	Winter begins.
1916	XXXIX. Jan. 2nd ...	52	Feb. 26th*	June 4th	Sept. 3rd	Dec. 3rd
1917	XL. Dec. 31st ...	52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
1918	XLI. Dec. 30th ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
1919	XLII. Dec. 29th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
1920	XLIII. Jan. 4th ...	52	Feb. 29th	May 30th	Aug. 29th	Nov. 28th
				* Spring	14 weeks.	
1921	XLIV. Jan. 2nd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1922	XLV. Jan. 1st ...	52	Feb. 26th	May 28th*	Sept. 3rd	Dec. 3rd
1923	XLVI. Dec. 31st ...	52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
1924	XLVII. Dec. 30th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
1925	XLVIII. Jan. 4th ...	52	Mar. 1st	May 31st	Aug. 30th	Nov. 29th
				* Summer	14 weeks.	
1926	XLIX. Jan. 3rd ...	52	Feb. 28th	May 30th	Aug. 29th	Nov. 28th
1927	L. Jan. 2nd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1928	LI. Jan. 1st ...	52	Feb. 26th	May 28th	Aug. 27th*	Dec. 3rd
1929	LII. Dec. 30th ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
1930	LIII. Dec. 29th ...	53	Mar. 2nd	June 1st	Aug. 31st	Nov. 30th
				* Autumn	14 weeks.	
1931	LIV. Jan. 4th ...	52	Mar. 1st	May 31st	Aug. 30th	Nov. 29th
1932	LV. Jan. 3rd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1933	LVI. Jan. 1st ...	52	Feb. 26th	May 28th	Aug. 27th	Nov. 26th*
1934	LVII. Dec. 31st ...	52	Mar. 4th	June 3rd	Sept. 2nd	Dec. 2nd
1935	LVIII. Dec. 30th ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
				* Winter	14 weeks.	
1936	LIX. Dec. 29th ...	53	Mar. 1st	May 31st	Aug. 30th	Nov. 29th
1937	LX. Jan. 3rd ...	52	Feb. 28th	May 30th	Aug. 29th	Nov. 28th
1938	LXI. Jan. 2nd ...	52	Feb. 27th	May 29th	Aug. 28th	Nov. 27th
1939	LXII. Jan. 1st ...	52	Feb. 26th*	June 4th	Sept. 3rd	Dec. 3rd
1940	LXIII. Dec. 31st ...	52	Mar. 3rd	June 2nd	Sept. 1st	Dec. 1st
				* Spring	14 weeks.	

TABLE OF SUN-SPOT NUMBERS. 1749-1918.

—	0	1	2	3	4	5	6	7	8	9
1740 ...										81
1750 ...	83	48	48	31	12	10	10	32	48	54
1760 ...	63	86	61	45	36	21	11	38	70	106
1770 ...	101	82	66	35	31	7	20	92	154	126
1780 ...	85	68	38	23	10	24	83	132	131	118
1790 ...	90	67	60	47	41	21	16	6	4	7
1800 ...	14	34	45	43	48	42	28	10	8	2
1810 ...	0	1	5	12	14	35	46	41	30	24
1820 ...	16	7	4	2	8	17	39	50	62	67
1830 ...	71	48	28	8	13	57	122	138	103	86
1840 ...	63	37	24	11	15	40	62	98	124	96
1850 ...	66	65	54	39	21	7	4	23	55	94
1860 ...	96	77	59	44	47	30	16	7	37	74
1870 ...	139	111	102	66	45	17	11	12	3	6
1880 ...	32	54	60	64	64	52	25	13	7	6
1890 ...	7	36	73	85	78	64	42	26	27	12
1900 ...	10	3	5	24	42	64	54	62	49	44
1910 ...	19	6	4	1	10	46	55	99	78	63

Mean Temperature, Daily Sunshine and Rainfall
derived from weekly

Dist	Temperature.					Sun-shine.					Rainfall.				
	°F.	a.	hrs.	in.	mm.	°F.	a.	hrs.	in.	mm.	°F.	a.	hrs.	in.	mm.
JANUARY.															
0	38.4	276.6	0.84	5.79	147	38.3	276.5	1.89	4.57	116					
1	37.2	275.9	1.37	2.57	65	37.4	276.0	2.50	2.24	57					
6	39.4	277.1	1.17	4.57	116	39.3	277.1	2.10	3.94	100					
2	38.2	276.4	1.39	1.77	45	38.8	276.8	2.53	1.50	38					
3	37.9	276.3	1.70	1.81	46	38.8	276.8	2.66	1.54	39					
4	37.9	276.3	1.42	2.13	54	38.8	276.8	2.34	1.85	47					
5	39.4	277.1	1.68	2.20	56	40.1	277.5	2.64	2.05	52					
7	39.4	277.1	1.32	3.03	77	39.8	277.3	2.34	2.52	64					
8	41.0	278.0	1.67	3.58	91	41.1	278.1	2.63	3.03	77					
9	40.6	277.8	1.39	3.43	87	40.8	277.9	2.23	2.91	74					
10	42.1	278.6	1.66	3.86	98	42.3	278.7	2.53	3.35	85					
11	44.3	279.8	2.08	2.99	76	44.1	279.7	3.17	2.64	67					
MARCH.															
0	39.2	277.0	3.05	4.41	112	42.9	279.1	4.55	3.23	82					
1	39.2	277.0	3.51	2.48	63	43.2	279.2	4.94	1.85	47					
6	40.7	277.8	3.51	3.58	91	44.7	280.1	5.15	2.76	70					
2	40.7	277.8	3.87	1.85	47	44.4	279.9	5.22	1.54	39					
3	41.1	278.1	3.87	1.69	43	45.6	280.6	5.55	1.50	38					
4	41.0	278.0	3.47	1.89	48	45.5	280.5	5.02	1.73	44					
5	42.1	278.6	3.94	2.05	52	46.7	281.2	5.65	1.69	43					
7	41.3	278.2	3.56	2.56	65	45.4	280.4	5.21	2.05	52					
8	42.8	278.9	3.96	2.99	76	46.5	281.1	5.53	2.36	60					
9	42.0	278.6	3.35	2.95	75	45.5	280.5	4.89	2.40	61					
10	43.4	279.3	3.84	3.15	80	46.9	281.3	5.38	2.60	66					
11	45.3	280.4	4.70	2.52	64	48.7	282.3	6.39	1.93	49					
APRIL.															
0	48.1	281.9	5.36	2.80	71	52.4	284.3	5.17	2.72	69					
1	48.2	282.0	5.76	2.24	57	53.7	285.1	6.03	2.13	54					
6	49.7	282.8	6.16	2.91	74	55.0	285.8	6.32	2.87	73					
2	49.4	282.7	6.10	1.93	49	55.2	285.9	6.20	2.01	51					
3	51.3	283.7	6.65	1.81	46	57.1	286.9	6.86	2.01	51					
4	51.0	283.6	5.87	2.09	53	56.8	286.8	6.20	2.20	56					
5	52.2	284.2	6.90	1.77	45	57.7	287.3	7.20	1.89	48					
7	50.5	283.3	6.27	2.28	58	56.0	286.3	6.51	2.40	61					
8	51.6	283.9	6.58	2.24	57	56.7	286.7	6.79	2.36	60					
9	50.1	283.1	5.88	2.48	63	55.0	285.8	5.54	2.72	69					
10	51.6	283.9	6.47	2.56	65	56.6	286.7	5.99	2.64	67					
11	53.0	284.7	7.78	1.89	48	57.7	287.3	7.92	1.77	45					
MAY.															
0	48.1	281.9	5.36	2.80	71	52.4	284.3	5.17	2.72	69					
1	48.2	282.0	5.76	2.24	57	53.7	285.1	6.03	2.13	54					
6	49.7	282.8	6.16	2.91	74	55.0	285.8	6.32	2.87	73					
2	49.4	282.7	6.10	1.93	49	55.2	285.9	6.20	2.01	51					
3	51.3	283.7	6.65	1.81	46	57.1	286.9	6.86	2.01	51					
4	51.0	283.6	5.87	2.09	53	56.8	286.8	6.20	2.20	56					
5	52.2	284.2	6.90	1.77	45	57.7	287.3	7.20	1.89	48					
7	50.5	283.3	6.27	2.28	58	56.0	286.3	6.51	2.40	61					
8	51.6	283.9	6.58	2.24	57	56.7	286.7	6.79	2.36	60					
9	50.1	283.1	5.88	2.48	63	55.0	285.8	5.54	2.72	69					
10	51.6	283.9	6.47	2.56	65	56.6	286.7	5.99	2.64	67					
11	53.0	284.7	7.78	1.89	48	57.7	287.3	7.92	1.77	45					
JUNE.															
0	48.1	281.9	5.36	2.80	71	52.4	284.3	5.17	2.72	69					
1	48.2	282.0	5.76	2.24	57	53.7	285.1	6.03	2.13	54					
6	49.7	282.8	6.16	2.91	74	55.0	285.8	6.32	2.87	73					
2	49.4	282.7	6.10	1.93	49	55.2	285.9	6.20	2.01	51					
3	51.3	283.7	6.65	1.81	46	57.1	286.9	6.86	2.01	51					
4	51.0	283.6	5.87	2.09	53	56.8	286.8	6.20	2.20	56					
5	52.2	284.2	6.90	1.77	45	57.7	287.3	7.20	1.89	48					
7	50.5	283.3	6.27	2.28	58	56.0	286.3	6.51	2.40	61					
8	51.6	283.9	6.58	2.24	57	56.7	286.7	6.79	2.36	60					
9	50.1	283.1	5.88	2.48	63	55.0	285.8	5.54	2.72	69					
10	51.6	283.9	6.47	2.56	65	56.6	286.7	5.99	2.64	67					
11	53.0	284.7	7.78	1.89	48	57.7	287.3	7.92	1.77	45					

for twelve districts for the calendar months
normals for districts, 1881-1915.

Dist	Temperature.					Sun-shine.					Rainfall.				
	°F.	a.	hrs.	in.	mm.	°F.	a.	hrs.	in.	mm.	°F.	a.	hrs.	in.	mm.
JULY.															
0	54.7	285.6	4.18	3.35	85	54.6	285.6	3.69	4.18	106					
1	56.4	286.6	5.09	2.87	73	55.8	286.2	4.70	3.15	80					
6	57.1	286.9	5.73	3.46	88	56.6	286.7	4.99	4.41	112					
2	58.6	287.8	5.87	2.52	64	58.2	287.6	5.27	2.60	66					
3	60.5	288.8	6.58	2.32	59	60.1	288.6	6.05	2.20	56					
4	59.8	288.4	5.86	2.44	62	59.0	288.0	5.43	2.56	65					
5	61.1	289.2	6.96	2.17	55	60.9	289.1	6.48	2.32	59					
7	58.7	287.8	5.90	3.03	77	58.3	287.6	5.19	3.62	92					
8	59.7	288.4	6.39	2.95	75	59.4	288.2	6.04	3.31	84					
9	57.2	287.0	4.67	3.15	80	57.0	286.9	4.29	3.86	98					
10	58.9	287.9	5.22	3.11	79	58.5	287.7	4.97	3.86	98					
11	61.0	289.1	7.70	2.24	57	61.6	289.4	7.55	2.56	65					
AUGUST.															
0	51.8	284.0	3.49	3.78	96	46.4	281.0	2.50	5.00	127					
1	52.3	284.3	4.06	2.24	57	46.5	281.1	2.80	3.27	83					
6	53.5	284.9	4.24	3.66	93	47.9	281.8	2.68	4.69	119					
2	54.5	285.5	4.61	1.73	44	48.6	282.2	3.03	2.95	75					
3	56.2	286.4	5.15	1.89	48	49.6	282.8	3.33	2.64	67					
4	55.1	285.8	4.51	1.93	49	48.3	282.1	2.88	2.91	74					
5	57.3	287.1	5.43	2.13	54	50.8	283.4	3.44	3.46	88					
7	55.1	285.8	4.46	2.76	70	49.2	282.6	2.85	3.82	97					
8	56.3	286.5	4.96	2.80	71	50.6	283.3	3.27	4.57	116					
9	54.1	285.3	3.85	2.95	75	48.6	282.2	2.87	3.70	94					
10	55.5	286.1	4.45	2.80	71	49.8	282.9	3.27	3.94	100					
11	59.3	288.2	6.11	2.40	61	54.0	285.2	3.97	4.14	105					
SEPTEMBER.															
0	41.8	278.4	1.22	5.63	143	39.1	276.9	0.61	6.18	157					
1	41.1	278.1	1.73	3.11	79	37.9	276.3	1.04	3.11	79					
6	43.2	279.2	1.59	5.16	131	40.6	277.8	0.96	5.63	143					

INDEX.

* * * The references are generally to the dates under which particulars will be found.

A	
Abbe, Cleveland	Dec. 3
Aeroplane height record	Feb. 27
Air Service, London-Paris, inaugurated	Aug. 25
Airy, Sir G. Biddell	July 27
Aitken, Dr. John	Sept. 18
Atlantic Flight accomplished	June 14
" " attempted	May 18
" " by dirigible	July 2
Azores, first telegraphic report	Feb. 27

		C			
Carnot, Sadi	June 1
Cavendish, Henry	Oct. 10
Celsius, Anders	Nov. 27
Circular Storm	Feb. 27, Mar. 24, Sept. 10	
Curtis, R. H.	May 21

D						
Daily Charts begun	...	...	...	...	...	May 23
Daily Weather Map, first for Europe	...	...	...	...	...	Sept. 16
Daily Weather Report—						
Earliest published	...	...	...	...	...	Aug. 31
First issued on Sunday	...	...	...	...	...	July 5
First Telegraphic	...	...	...	...	...	Sept. 3
Map for 8 a.m. in "Times"	...	...	...	...	...	April 1
" 6 p.m. "	...	...	...	...	...	Jan. 1
Public issue resumed...	...	...	...	...	...	Nov. 20
" " suspended	...	...	...	...	...	Sept. 4
Regular issue of lithographed copies	...	...	...	...	...	Jan. 12
Three sections, issued in	...	...	...	...	...	April 1
Use of Millibars in	...	...	...	...	...	May 1
Weather Charts included in	...	...	...	...	...	Mar. 11

D

Dalton, John ...	Sept. 6
Daniell, John Frederic ...	Mar. 12
Danzig Phenomenon ...	Feb. 20
Darwin, G. H. ...	July 9
Defoe's Great Storm ...	Nov. 26
De la Rue, Warren ...	Jan. 18
Dove, Heinrich Wilhelm ...	Oct. 6

E

Earthquake Jan. 15, Feb. 8, May 18, July 8, Aug. 9, Sept. 6, Oct. 30, Dec. 17, 28	
"Ellan Vannin" Storm ...	Dec. 3
"Empress of Ireland" sunk ...	May 29
Eskdale Observatory administered by M.O....	July 1

F

Fahrenheit, Gabriel Daniel ...	May 14
Ferrel, William ...	Jan. 20
Fitz Roy, Admiral ...	July 5
Flood at Louth ...	May 29
" " Moray ...	Aug. 2
" " Norwich ...	Mar. 15, Nov. 16
" " Slough ...	Nov. 17
Forecasts first issued by Fitz Roy ...	Aug. 1
" " during Harvest ...	June 30
Franklin, Sir John ...	April 16
Frost ...	Jan. 7, 27; Feb. 8; June 24, 25; Sept. 30; Nov. 25
" Thames frozen ...	Jan. 24, Nov. 24

G

Gale Warnings, issue to public resumed ...	April 7
" " " suspended ...	Nov. 22
Gales ...	Jan. 1, Mar. 3, April 12, Aug. 8, Oct. 5, 13
Galilei, Galileo ...	Feb. 18
Galitzine, Prince Boris ...	Mar. 2
Galton, Sir F. ...	Feb. 16
Gassiot, J. P. ...	April 2
Gauss, K. F. ...	April 30
Gilbert, W. ...	May 24
Glaisher, J. ...	April 7
Greenwich Mean Time adopted in France ...	Mar. 11
" Observatory founded ...	Aug. 10

H

Hadley, John ...	April 16
Hailstorms ...	July 8, Aug. 2
Halley, Edmund... ..	Oct. 29
Harvest Forecasts first issued ...	June 30
Height Record, Aeroplane ...	Feb. 27
" " Registering balloon ...	Dec. 7
Hepworth, Capt. M. W. C. ...	Feb. 25
Herschel, Sir J. F. W. ...	Mar. 7
Hooke, Robert ...	July 18
Horsburgh, James ...	Sept. 23
Howard, Luke ...	Nov. 28
Humboldt, Alexander von ...	Sept. 14
Hurricanes ...	Jan. 6, 7; Sept. 4, 6, 10, 30; Oct. 24
Hutton, James ...	June 3
Huyghens, C. ...	April 14

I

Ice ...	Jan. 24; Feb. 8, 13, 18, 19; Nov. 24, 25
Iceland, Telegraphic Reports from ...	Feb. 15, Oct. 16
Indian Summer ...	Sept. 30
International Balloon Ascent, First ...	Nov. 14

J

Joule, J. P. ...	Dec. 24
------------------	---------

K

Kelvin, Lord ...	June 26
Kew Observatory administered by M.O. ...	July 1

L

Lamont, J. von ...	Dec. 13
Leverrier ...	Mar. 11
Ley, William Clement ...	July 6
Line-squall, "Eurydice" ...	Mar. 24
Lockyer, Sir John N. ...	May 17
Loomis, Elias ...	Aug. 7

M

Magnetic Storms... ..	Aug. 28, Sept. 2, 25
Margules, Dr. Max ...	Oct. 4
Marine Meteorology, Department for, initiated ...	June 15
Maritime Conference, first meeting ...	Aug. 23
Maury, Matthew Fontaine ...	Jan. 14
Meteorological Committee, first meeting ...	May 31
" " Committee, first meeting at Air Ministry ...	Oct. 15
" " Council, final meeting ...	Aug. 23
(Transferred to Air Ministry.)	
" " Office transferred to Meteorological Council ...	July 9
" " Society founded ...	April 3
" " incorporated by Charter ...	Jan. 27
Milne, John ...	July 31
Mohn, Henrik ...	May 15
Murray, Sir John ...	Mar. 3

N

Napier of Merchiston ...	April 3
Neumayer, Georg von ...	June 21
"New Style" in England... ..	Sept. 14
" " on Continent ...	Oct. 15
Newton, Sir Isaac ...	Dec. 25
North Magnetic Pole located ...	June 1

P

Pascal, Blaise ...	June 19
Peary, Commander, at North Pole ...	April 6
Pressure, fall of ...	Oct. 1
" " high ...	Jan. 8, 9, 12, 31; Mar. 13; Dec. 20
" " low ...	Jan. 1, 26; Feb. 5; April 14; Sept. 22; Dec. 27

R

Radio-telegraphic Reports, from Atlantic liners ...	Jan. 10
" " " Gibraltar ...	Aug. 1
" " " H.M. Ships ...	Feb. 4
Rainfall "Normals, Table of" ...	pp. 58-60
" " "Records" ...	April 30; May 21, 29; June 13, 14, 19, 28; July 12, 31; Oct. 11; Nov. 12, 29
Rayleigh, Lord ...	Nov. 12
Réaumur, R. A. F. de ...	Feb. 28
Reid, Major-Gen. W. ...	April 25
Robinson, T. R. ...	April 23
Ross, Sir John ...	June 24
Rosse, Fourth Earl of ...	Nov. 17
" " Third Earl of ...	June 17
Rotch, Abbot Lawrence ...	Jan. 6
Rue, Warren de la ...	Jan. 18

S

Sabine, Sir Edward	...	...	...	...	Oct. 14
Scott, Captain R. F., at South Pole	...	...	...	...	Jan. 18
" Robert Henry	...	...	...	...	Jan. 28
Shaw, Sir Napier	...	...	...	...	Sept. 6
Smith, H. J. S.	...	...	...	...	Nov. 2
Snow	...	Jan. 18, 19, 26; Feb. 18; Mar. 28; April 25, 26; May 22	...	...
Solar Heat	...	...	...	...	p. 3
South Pole reached by Amundsen	...	...	...	...	Dec. 6
Spanish Armada dispersed	...	...	...	...	July 29
Stewart, Balfour	...	...	...	...	Nov. 1
Stokes, Sir G. G.	...	...	...	...	Aug. 13
Storm, Ellan Vannin	...	...	...	...	Dec. 3
" Tay Bridge	...	...	...	...	Dec. 28
" Signal	...	...	...	...	Feb. 5
Strachey, Sir Richard	...	...	...	...	July 24
Stratosphere, discovery of	...	...	...	...	Mar. 10
Summer Time	...	...	...	...	p. 3
Sunshine Normals, table of	...	...	...	...	pp. 58-60
Sunspot Numbers	...	...	...	...	p. 57
Symons, G. J.	...	...	...	...	Aug. 6

T

Temperature, Inversion of	...	...	...	...	Feb. 19
" Normals, table of	...	...	...	...	pp. 58-60
" Records, high	Feb. 18; May 21, 22; July 10, 22; Aug. 9; Dec. 25	...	...	...
" " low	Jan. 17, 20; Feb. 7, 8, 13; May 12; July 5, 10; Aug. 30; Sept. 21; Nov. 13, 14; Dec. 4	...	...	...
Thermograph, first record at Kew	...	...	...	...	Sept. 30
Thunderstorms	...	May 4, 6, 18, 31; June 1, 14, 15; July 8, 28; Aug. 16	...	...
Tide, High in Thames	...	...	...	...	Jan. 18, Dec. 24
Tides, three in four hours	...	...	...	...	Mar. 22
"Titanic" sunk	...	...	...	...	April 15
Tornadoes	...	...	...	...	Oct. 27, 29
Toynbee, Henry	...	...	...	...	Oct. 22

V

Volcanic Eruptions	...	Jan. 11; April 7; May 7, 8; June 7, 8, 9, 18; July 8, 9, 15; Oct. 24; Dec. 6	
--------------------	-----	--	-----	-----	--

W

Wharton, Sir W. J. L.	...	...	...	...	Mar. 2
Whewell, William	...	...	...	...	May 24
Wind Velocity "Records"	...	Jan. 27; Feb. 2; Mar. 28; April 12; July 28; Sept. 4, 10; Oct. 24; Nov. 5, 16	...	...

