

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at LEITH, County of Edinburgh, in Lat. 55° 59' N., Long. 3° 10' W., during the MONTH of *January* 18*93*; Distance from Sea, Half-Mile.
The Hours of Observation are of Universal Time, same as Greenwich Mean Time.

NOTE.—All the 9 h. Barometric Observations in this Schedule, except those marked *X*, were made with a Kew Marine; all the 21 h. *o* m. Observations, and those marked *X*, with a Fortin Standard.

Days of Month.	BAROMETER, Corrected and Reduced to 32° and Sea Level.		SELF-REGISTERING THERMOMETERS, In Shade 4 feet above Grass.		HYGROMETER, Kew No.				WIND.				RAIN.	CLOUDS.				SPECIAL REMARKS.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, &c.	Days of Month.
	9 h.	21 h. o. m.	Max. Kew No.	Min. Kew No.	Kew No.				Kew No.					Kew No.						
	Inches.	Inches.	°	°	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	Direction.	Force, 0—6.	Direction.	Force, 0—6.	Amount in inches.	Velocity (0—6), and Direction.	Amount, (0—10), and Species.	Velocity (0—6), and Direction.	Amount, (0—10), and Species.			
1*	30.098	30.144	35.7	30.1	32.2	31.7	31.7	29.0	E	2.0	E	2.4	50.01	1.5 E	86u. largela.	1.5 E	9.5 thin cu.	Mostly cloudy; a few slight sho. of s. hail	1	
2*	30.153	30.027	31.7	28.6	30.1	26.2	27.9	?	N	2.5	W	2.0	00	1.1 NE	10 thin cu.	2.1 NE	5 thin cu.	Fine; sunny at times.	2	
3	30.117	30.319	34.5	30.3	31.1	30.4	31.2	?	Nly	1.5	calm	0	5.02	1.5 NE	5 cu.	n.d.	10 (prob) st.	cloudy; freq. li. sho. of s. and hail.	3	
4	30.400	30.419	31.8	29.9	30.7	30.0	30.1	?	S	0.5	Ely	0.25	5.10	n.d.	10 th.	n.d.	10 th.	Overcast; light snow chiefly.	4	
5	30.416	30.343	31.4	18.7	28.9	26.7	28.4	?	W	0.5	calm	0	03	1.1 NE	9 cu.	n.d.	9 st. fog.	Son fog, thick at times.	5	
6	30.219	30.129	31.9	16.0	26.3	26.1	31.9	31.0	E	1.6	W	0.25	5.03	?	10 th.	n.d.	10 (prob) st.	cloudy; constant s. between 8h. and 11h.	6	
7	30.083	30.039	36.8	29.9	34.1	32.4	36.8	34.0	E	2.5	E	2.5	04	2.4 E	7 cu.	?	10 species?	cloudy; freq. s. sho. till 14h. with hl. sh. at 9h.	7	
8*	29.967	29.911	38.0	34.1	36.9	35.3	38.0	36.1	E	2.4	E	2.4	05	2.4 E	10 cu.	n.d.	10 species?	Overcast; a few dr. drizz. sho.	8	
9	29.932	30.068	38.0	35.2	38.7	34.8	36.9	35.0	E	1.6	E	1.0	01	1.5 E	7 cu. - b. cu.	n.d.	7 faint st.	cloudy; sho. about 10h.	9	
10	30.204	30.398	39.3	35.9	37.9	36.3	36.9	35.3	E	2.0	W	2.0	00	2.1 E	10 cu.	n.d.	4 faint st.	cloudy.	10	
11	30.479	30.403	36.9	30.6	34.2	32.5	31.5	30.0	W	1.5	Wly	0.25	00	2.1 E	26 cu. - st.	0	0	Fine, sunny; hazy.	11	
12	30.313	30.213	38.1	30.9	33.9	31.8	36.3	34.0	W	1.5	W	2.0	00	2.1 E	7 small cu.	n.d.	9 st.	Fine; mostly sunny; hazy.	12	
13	30.026	29.952	42.0	34.5	38.4	37.0	37.9	34.0	W	2.0	W	1.5	02	2.1 NE	26 cu. - st.	?	0	cloudy, with sunny inters. hazy; sho. bet. 11h. & 11.15h.	13	
14	29.751	30.076	37.9	31.3	31.9	31.1	34.9	31.9	W	2.0	W	1.5	01	2.1 NE	10 th.	n.d.	2 (low) st.	Passing s. sho. bet. 6h. and 10h., then fine.	14	
15*	30.258	30.021	37.0	33.9	35.2	32.0	36.9	35.1	W	1.0	W	1.5	00	0.5 W	9.5 cu. - st.	n.d.	10 stratiform.	Fine; mostly cloudy.	15	
16	29.699	29.870	46.2	36.0	39.9	39.0	41.2	38.2	W	1.5	W	1.5	06	?	10 species?	n.d.	10 (prob) cu.	Sho. early morning; day fine, sunny at times.	16	
17	29.798	29.958	43.0	36.2	38.3	37.4	40.4	38.0	W	2.0	W	2.0	14	2.4 W, and 2.1 W	10 stratiform.	n.d.	7 species?	Drisk r. at times bet. 6h. & 8h.; day fine, mostly sunny.	17	
18	29.997	30.235	49.6	39.9	45.8	42.7	45.9	42.3	W	2.0	W	2.0	00	2.1 W	2 st.	n.d.	2 st.	Fine; sunny at times.	18	
19	30.169	30.093	48.8	43.6	45.0	43.0	44.1	41.3	W	2.5	W	2.5	01	2.5 W	6.2 cu. - b. cu.	0	0	cloudy; a few dr. drizz. sho.; cloudless at 2h.	19	
20	30.115	30.278	44.1	35.4	38.9	36.3	35.9	33.0	W	2.5	W	1.5	03	2.4 W	2 cu.	0	0	Sho. bet. 8h. & 8.15h.; day fine, sunny.	20	
21	30.311	30.327	42.4	35.3	40.4	36.4	39.9	38.9	W	2.0	S	0.25	00	2.4 W	10 cu.	n.d.	10 st.	cloudy; fine.	21	
22*	30.189	30.027	50.0	35.9	45.1	43.8	48.9	47.0	W	2.4	W	2.5	00	2.1 W	10 st. - b. cu.	n.d.	7 (prob) st.	Fine; mostly cloudy; sunny at times dur. afternoon.	22	
23	29.948	29.891	51.8	47.8	50.4	47.5	49.6	47.5	W	2.4	W	2.0	00	0.5 W	10 stratiform.	3 W	3 loose cu.	Fine; cloudy.	23	
24	29.750	29.760	51.0	44.4	46.8	43.5	44.9	41.4	W	2.0	W	2.0	01	1.1 W	3 st. - b. cu.	2 W	3 cu.	Fine, sunny till abt. 13h.; showers after 15h.	24	
25	29.940	29.931	45.4	37.7	40.7	38.5	38.2	36.3	W	2.4	S	0.25	00	?	0	0	0	Fine, sunny. - Fin. - ha. at 18h.	25	
26	29.302	29.676	47.0	37.9	46.3	43.2	39.9	37.8	W	2.0	W	2.0	00	3.5 SW	2 faint cu.	0	0	Fine; mostly sunny; equally at times.	26	
27	29.852	29.848	44.7	37.3	41.9	40.0	40.2	38.1	W	1.4	Ely	0.25	01	2 W	5 cu.	1.5 W	10 cu.	Fine, cloudy; sho. before 7h.	27	
28	29.580	29.473	45.0	36.9	37.9	34.6	42.9	40.4	E	1.5	S	1.0	00	n.d.	10 species?	n.d.	10 stratiform.	cloudy; li. sho. between 13h. and 14h.	28	
29*	29.265	29.532	49.5	40.7	42.6	41.0	45.9	43.9	S	0.5	S	2.0	04	1.5 W	9 st. - b. cu.	2 W	4 stratiform.	cloudy; hazy; sho. about 15h.	29	
30	29.701	29.611	52.8	41.1	48.9	45.7	50.0	47.1	W	2.0	S	1.5	00	2 W	10 stratiform.	2 S	8 thin cu.	Fine; mostly sunny.	30	
31	29.471	29.639	51.2	44.1	46.9	43.2	44.4	41.1	W	2.0	S	2.0	14	2 W	6 st. - b. cu.	?	?	Changeable; freq. sho. bet. 7h. & 12h., then fine.	31	
Sums.	929.500	930.556	1303.5	1082.1	1193.3	1130.1	1107.7	1017.7		58.2		46.6	0.76		247		194			
Corrected Means.	29.984	30.018	42.1	34.9	38.5	36.5	37.7		1.9		1.5				8.0		6.3			
No. of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			

BAROMETER, "corrected Mean" = *29.984*
at 9 h.
"Corrected Mean" at 21 h. *o* m. ... = *30.018*
7° = *29.924*
Mean, reduced to 32°, and Sea-level, = *30.007*
Highest corrected Reading at *9h.* = *30.479*
Universal Time, on the *11th.* ...
Lowest corrected Reading at *7h.* = *29.265*
Universal Time, on the *29th.* ...
Difference, or Monthly Range, = *1.214*

S. - R. THERMOMETERS
(in shade, &c.) = *52.8*
Highest in Month (corrected for Index Errors) on *11th.* ...
Lowest in Month, (corrected for Index Errors), on the *6th.* ... = *16.0*
Difference, or Monthly Range, = *36.8*
"Corrected Mean" of all the Highest, (Col. 3), = *42.1*
"Corrected Mean" of all the Lowest, (Col. 4), = *34.9*
Difference, or Mean Daily Range, = *7.2*
Calculated Mean Temperature of Month, = *38.5*

HYGROMETER, "Corrected Mean" of 9 h. and 21 h. Reading of Dry Bulb (Cols. 5 and 7), = *37.1*
"Corrected Mean" of 9 h. and 21 h. Reading of Wet Bulb (Cols. 6 and 8), = *34.2*
†† Computed Temperature of Dew-Point, = *19.8*
†† Do. Elastic Force of Vapour, = *0.76*
Relative Humidity (Saturation = 100), = *82.1*
RAIN fell on *18* Days; Amount, = *0.76* Inches.
WIND. SUMMARY.
Direction N NE E SE S SW W NW Calm or Variable. Mean Force. Mean Velocity in miles per day.
9 h. *3 1 6 2 1 8*
21 h. *3 6 3 2 2 13*
Mean. *3 6 6 2 2 1 16 0 1* *1.7 = 2.89*

NOTATION USED IN GENERAL REMARKS.
a. denotes aurora. m. denotes meteor.
ci. " cirrus. ms. " meteors.
ci. cu. " cirro-cumulus. n. " nimbus.
ci. st. " cirro-stratus. r. " rain.
cu. " cumulus. h. r. " heavy rain.
cu. f. " cumulo-form. c. h. r. " continued heavy rain.
cu. st. " cumulo-stratus. st. " stratus.
d. " dew. sc. " squall.
f. " fog. sl. " sleet.
fr. " frost. so. ha. " solar halo.
h. fr. " hoar-frost. sq. " squall.
h. d. " haze. sgs. " squalls.
hl. " hail. t. " thunder.
l. " lightning. t. s. " thunder storm.
li. cl. " light clouds. w. " wind.
li. sh. " light showers. g. " gale of wind.
lu. co. " lunar corona. n. d. " not discernible.
lu. ha. " lunar halo.

TABLE FOR ESTIMATING FORCE OF WIND.
Estimated Force, 0—6. Common Designation. Estimated Force, 0—6. Common Designation.
0 Calm. 3 Very fresh.
0.5 Very light air. 4 Blowing hard.
1 Light air. 5 Blowing a gale.
1.5 Light breeze. 6 Violent gale.
2 Fresh breeze.

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at LEITH, County of Edinburgh, in Lat. 55° 59' N., Long. 3° 10' W., during the MONTH of *February* 18*93*; Distance from Sea, Half-Mile.

The Hours of Observation are of Universal Time, same as Greenwich Mean Time.

NOTE.—All the 9 h. Barometric Observations in this Schedule, except those marked ✕, were made with a Kew Marine; all the 20 h. 0 m. Observations, and those marked ✕, with a Fortin Standard.

Days of Month.	BAROMETER, Corrected and Reduced to 32° and Sea Level.		SELF- REGISTERING THERMO- METERS, In Shade 4 feet above Grass.		HYGROMETER.				WIND.				RAIN.	CLOUDS.				SPECIAL REMARKS.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, &c.	Days of Month.	
	9 h.	21 h. 0 m.	Max. Kew No.	Min. Kew No.	Kew No.		Kew No.		9 h.		21 h.			Amount in inches.	9 h.		21 h.				
					Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	Direction	Force, 0—6.	Direction	Force, 0—6.			Velocity (0—6), and Direction.	Amount, (0—10), and Species.	Velocity (0—6), and Direction.				Amount, (0—10), and Species.
1	29.707	29.773	44.7	38.9	39.7	38.0	41.9	38.2	W	2.0	S	1.5	0.01	1 (Wly?)	9 stratiform.	1.5 St.	n.d.	1060-st.	Fine, sunny; overcast at 21h.	1	
2	29.661	29.946	44.8	38.0	40.0	38.1	42.9	40.0	West 2.0	West 1.5		0.3	2 W	1 St.-Cir.	2 W	10 St.-Cir.	n.d.	10 St.-Cir.	Fine; sunny at times.	2	
3	30.074	30.148	49.9	40.4	42.1	41.5	46.2	42.0	NE	0.5	Variable	0.5	0.2	2 SW	5 thin Cu.	15 Wly	7 St.	Mostly cloudy.	3		
4	30.200	30.283	49.2	42.7	46.4	43.5	43.1	41.0	S	0.25	SEly	0.25	0.0	2.5 SW	10 St.-Cir.	n.d.	10 St.	Cloudy; fine.	4		
5	30.262	30.244	46.3	37.9	42.6	40.0	39.9	37.4	SW	1.5	W	0.5	0.0	1.5 Wly	5 St.-Cir.	0	0	Fine, sunny.	5		
6	30.178	29.912	47.8	35.9	43.4	40.8	47.0	43.9	S	2.0	S	2.5	0.0	2 SW	9 thin Cu.	n.d.	10 stratiform.	Fine; mostly cloudy.	6		
7	29.899	29.781	47.4	43.0	45.6	42.2	45.9	42.0	WSW	3.0	SW	2.5	0.3	3 Wly	4 Cu.	n.d.	10 stratiform.	Fine, sunny; passing sho. about 13h.	7		
8	29.597	29.673	45.9	38.2	41.3	38.0	40.8	38.4	W	2.0	W	2.5	0.6	1 W	7 thin Cu.	n.d.	3 (part) St.	Squally, showy prev. night; day fine, mostly sunny.	8		
9	29.491	28.977	48.0	38.9	45.6	43.5	38.9	37.5	WSW	2.4	W 2.5	4.2	1.3	2.5 SW	4 St.	n.d.	10 St.	Cloudy; sh. at times; eq. aft. 16h. and brisk sho. after 17h.	9		
10	28.896	29.412	50.2	37.6	42.1	39.7	44.1	42.0	W	2.0	WSW	2.5	2.9	2 Wly	3 St.-Cir.	n.d.	10 species?	Strong sp. with fog, heavy sho. prev. night; day fine, sunny at times.	10		
11	29.173	29.356	46.3	37.9	41.3	38.0	37.9	36.0	W 3.0	4.0	W	2.4	0.9	3 Wly	1 St.-Cir.	0	0	Changeable; equally at times; passing sho.	11		
12	29.584	29.690	39.1	34.1	34.6	31.5	34.2	33.0	W	1.5	W	1.5	0.3	2 Wly	7 St.-Cir.	0	0	Fine; mostly sunny.	12		
13	29.563	29.261	37.5	30.1	32.9	32.0	35.9	35.5	Calms	0	E	1.0	2.0	1 Wly	1 St.	n.d.	10 species?	Cloudy; r. at 3. after 14h.	13		
14	28.908	29.034	49.1	34.8	40.1	39.8	40.9	37.4	SE	1.0	W 2.5	3.4	0.9	2.5	10 species?	0	0	Changeable; h. r. at times till abt. 10h.; eq. aft. 12h. and brisk sho.	14		
15	29.488	29.588	45.0	37.7	39.9	36.1	38.8	36.5	WSW	2.4	SEly	0.25	0.0	0	0	n.d.	2 St.	Strong sp. prev. night; day fine, sunny.	15		
16	29.401	29.480	47.1	38.0	41.9	41.0	40.9	38.9	SE	1.5	SW	1.5	1.0	3 SW	10 species?	n.d.	8 stratiform.	Cloudy; brisk sho. after 15h.	16		
17	29.698	29.789	44.8	36.9	38.9	36.2	39.9	37.2	W	2.4	S. var.	0.5	0.0	0	0	n.d.	10 species?	Fine; sunny till abt. 15h. then cloudy; driz. sho. at 17h.	17		
18	29.614	29.697	54.4	38.9	52.0	49.9	48.1	47.1	WSW	2.5	W	0.25	1.0	2.4 W	7 thin Cu.	n.d.	2 (low) St.	Cloudy; sho. bet. 4h. & 7h. and after 17h.	18		
19	29.654	29.493	53.9	45.1	45.9	45.0	47.7	46.0	Calms	0	SEly	0.25	0.0	1.5 W	10 Cu. & f.	0	0	Mostly cloudy; li. sho. bet. 15h. and 16h.	19		
20	29.412	29.238	49.0	40.4	45.0	42.1	40.9	39.0	SW	1.0	E. var.	1.0	0.0	1.5 SE	10 thin Cu.	n.d.	10 Cu.	Fine; sunny at times.	20		
21	29.018	29.072	45.6	36.0	38.1	37.0	39.9	39.2	SE var.	0.25	NE	2.5	0.6	1.4 SE	9 Cu.	n.d.	10 St.	Cloudy; li. sho. at times. aft. 13h. & const. r. at 21h.	21		
22	29.355	29.543	39.9	35.0	37.9	35.5	35.0	32.2	E	2.5	NE	1.25	1.9	2.5 E	10 Cu.	n.d.	10 Cu.	Cloudy; sho. of r. h. b. and S. at intervals.	22		
23	29.603	29.540	37.1	32.5	33.7	31.8	33.7	29.2	E	1.5	SEly	0.25	0.1	1.6 NE	10 Cu.	1.5 Ely	10 thin Cu.	Fine; sunny intro. dur. afternoon.	23		
24	29.381	29.264	37.1	28.9	31.0	28.2	30.8	29.2	W. var.	0.25	SEly	0.25	0.0	0.25 NE	8 small Cu.	0	0	Morning hazy; day fine, sunny.	24		
25	29.281	29.339	37.6	28.0	30.8	30.0	34.1	32.2	W	0.5	NE	1.5	0.0	0	0	n.d.	10 stratiform.	Fine, sunny till abt. 11h. then cloudy; sh. S. at times. aft. 12h.	25		
26	29.161	28.667	35.5	28.2	35.2	32.5	35.1	34.5	E	2.5	NE	2.5	0.55	2.6	10 stratiform.	n.d.	10 species?	Overcast; const. s. aft. 10h. followed by sh. r. aft. 16h.	26		
27	28.998	29.376	40.2	32.9	34.8	32.0	33.3	30.3	W	2.4	W	0.5	0.8	1.5 W	4 Cu. & Cir.	0	0	Fine, sunny.	27		
28	29.634	29.796	39.9	28.7	36.9	34.0	39.9	35.8	WSW	2.0	WSW	1.0	0.0	2 Wly	10 species?	1.5 W	9 thin Cu.	Mostly cloudy till 11h. then sunny; S. sho. bet. 11h. & 50m.	28		
Sums.	826.891	827.372	1255.3	1017.6	119.7	105.7	117.7	105.6	46.5	2.37	60.5	2.37	198	184							
Corrected Means.	29.532	29.549	36.3	40.0	37.8	39.9	37.6	1.6	1.4	2.37	7.1	6.6									
No. of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				

BAROMETER, "corrected Mean" = 29.532
at 9 h.
"Corrected Mean" at 20 h. 0 m. ... = 29.549
70
Mean, reduced to 32°, and Sea-level, = 29.547
Highest corrected Reading at 21h. ... = 30.283
Universal Time, on the 4th.
Lowest corrected Reading at 21h. ... = 28.667
Universal Time, on the 26th.
Difference, or Monthly Range, = 1.616

S. - R. THERMOMETERS
(in shade, &c.) = 54.4
Highest in Month (corrected for Index Errors) on the 18th.
Lowest in Month, (corrected for Index Errors), on the 25th. = 28.0
Difference, or Monthly Range, = 26.4
"Corrected Mean" of all the Highest, (Col. 3), = 44.8
"Corrected Mean" of all the Lowest, (Col. 4), = 36.3
Difference, or Mean Daily Range, = 8.5
Calculated Mean Temperature of Month, = 40.5

HYGROMETER, "Corrected Mean" of 9 h. and 21 h. Reading of Dry Bulb (Cols. 5 and 7), = 39.9
"Corrected Mean" of 9 h. and 21 h. Reading of Wet Bulb (Cols. 6 and 8), = 37.7
†† Computed Temperature of Dew-Point, = 34.9
†† Do. Elastic Force of Vapour, ... = 0.206
†† Relative Humidity (Saturation = 100), = 82.235
RAIN fell on 18 Days; Amount, = 2.37 Inches.
WIND. SUMMARY.
9 h. 0 1 4 2 2 2 1 5 1 2 1.6
21 h. 3 3 3 3 2 1 0 1 1.4
Mean. 0.2 4.3 3 2 1 3 0 1 1.5 = 2.25

NOTATION USED IN GENERAL REMARKS.
a. denotes aurora. m. denotes meteor.
ci. " cirrus. ms. " meteora.
ci.-cu. " cirro-cumulus. n. " nimbus.
ci.-st. " cirro-stratus. r. " rain.
cu. " cumulus. h. r. " heavy rain.
cu.-f. " cumulo-form. c. h. r. " continued heavy rain.
cu.-st. " cumulo-stratus. st. " stratus.
d. " dew. sc. " scud.
f. " fog. sl. " sleet.
fr. " frost. s. " snow.
h.-fr. " hoar-frost. so. ha. " solar halo.
h. " haze. sq. " squall.
h. d. " heavy dew. sqs. " squalls.
l. " hail. t. " thunder.
li. " lightning. t. s. " thunder storm.
li. cl. " light clouds. w. " wind.
li. sh. " light showers. g. " gale of wind.
lu. co. " lunar corona. n. d. " not discernible.
lu. ha. " lunar halo.

TABLE FOR ESTIMATING FORCE OF WIND.
Estimated Force, 0—6. Common Designation. Estimated Force, 0—6. Common Designation.
0 Calm. 3 Very fresh.
0.5 Very light air. 4 Blowing hard.
1 Light air. 5 Blowing a gale.
1.5 Light breeze. 6 Violent gale.
2 Fresh breeze.

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at LEITH, County of Edinburgh, in Lat. 55° 59' N., Long. 3° 10' W., during the MONTH of *March* 18*93*; Distance from Sea, Half-Mile.
The Hours of Observation are of Universal Time, same as Greenwich Mean Time.

NOTE.—All the 9 h. Barometric Observations in this Schedule, except those marked **X*, were made with a Kew Marine; all the 24 h. *Q* m. Observations, and those marked **X*, with a Fortin Standard.

Days of Month.	BAROMETER, Corrected and Reduced to 32° and Sea Level.		SELF-REGISTERING THERMOMETERS, In Shade 4 feet above Grass.		HYGROMETER.				WIND.				RAIN.	CLOUDS.				SPECIAL REMARKS.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, &c.	Days of Month.	
	9 h.	20 h. 45 m.	Max. Kew No.	Min. Kew No.	9 h.		21 h.		9 h.		21 h.			9 h.		21 h.					
					Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	Direction.	Force, 0—6.	Direction.	Force, 0—6.		Amount in inches.	Velocity (0—6), and Direction.	Amount, (0—10), and Species.	Velocity (0—6), and Direction.				Amount, (0—10), and Species.
1	29.409	29.286	40.4	32.7	32.9	32.2	36.3	36.1	E	2.0	E	0.5	0.29	?	10 th l.	?	10 th l.	Clear; const. S. bet. 8h. & 11h., & r. sho. at midn. later.	1		
2	29.726	30.131	42.5	34.9	40.0	39.1	36.9	35.3	W	1.4	SE	0.5	.11	2 Wly	10 th l.	2.5 Wly	4.6i-ct.	Cloudy; hazy. — faint trace of lu.-ha. at 21h.	2		
3	30.182	29.877	47.5	33.7	37.9	36.0	47.5	45.9	ESE	1.5	S	2.5	.03	?	10 th l.	2.5 Wly	10 th l.	Cloudy; sho. after 19h.	3		
4	29.853	29.901	50.0	44.7	46.9	44.1	46.4	43.6	W	2.5	W	2.5	.06	1.5 Wly	3 rd Wly	4.2e.	0	Fine; sunny at times; a few passing sho.	4		
5*	30.022	30.162	56.0	45.3	49.6	47.0	49.8	47.6	W	2.5	W	2.5	.00	2.5 Wly	10 th l.	10 th l.	10 th l.	Fine; mostly sunny.	5		
6	30.135	30.189	52.6	44.9	46.9	44.9	45.2	42.0	W	2.0	W	2.0	.00	2.5 Wly	10 th l.	10 th l.	10 th l.	Fine; cloudy till about noon, then sunny.	6		
7	30.089	30.172	56.5	43.6	50.1	48.3	46.0	43.1	W	2.5	W	2.5	.08	3.5 Wly	7.2e.	0	0	Fine; sunny after 10h.	7		
8	30.256	30.150	51.9	43.1	45.6	43.0	47.8	45.5	W	2.4	W	2.5	.00	2.5 Wly	8.6i-ct.	?	10 th l.	Fine; sunny till abt. 14 th h., then cloudy.	8		
9	29.932	29.921	53.2	40.7	48.6	46.0	41.6	37.9	W	3.0	W	3.0	.00	2.5 Wly	7.6i-ct.	0	0	Fine; sunny at times.	9		
10	30.048	30.252	50.0	39.0	43.9	39.0	42.2	39.1	W	2.0	W	2.0	.00	0	0	0	0	Fine, sunny.	10		
11	29.984	29.848	47.7	40.9	44.1	40.1	47.7	44.0	W	2.5	W	2.5	.00	2.5 Wly	10 th l.	?	10 th l.	Cloudy; fine.	11		
12*	29.664	29.440	51.0	44.3	46.4	42.0	47.8	44.3	W	2.5	W	2.5	.00	2.5 Wly	2.6i-ct.	0	0	Fine, sunny; cloudy after 16h.	12		
13	29.621	29.699	49.7	39.3	43.3	39.2	41.7	38.2	W	2.0	W	1.5	.00	0	0	0	0	Fine; mostly sunny.	13		
14	29.494	29.427	47.8	39.5	44.1	40.2	47.2	44.4	W	2.4	W	2.5	.00	2.5 Wly	10 th l.	3.6i-ct.	10 th l.	Mostly cloudy; drizz. sho. about 18h.	14		
15	29.329	29.387	49.7	37.5	46.5	44.1	38.2	36.1	W	2.0	W	2.0	.00	3.5 Wly	7.6i-ct.	0	0	Equally; sunny mto.; a few light pass. sho.	15		
16	29.356	29.488	42.8	31.9	35.9	33.2	32.9	31.0	W	2.5	W	2.0	.13	2.5 Wly	2.6i-ct.	n.d.	3.6i-ct.	Frequent S. sho.; sunny intervals.	16		
17	29.669	29.965	40.0	30.6	36.2	32.1	32.0	29.4	W	1.0	W	1.5	.07	2.5 Wly	10 th l.	0	0	Fine; mostly sunny. — So. ha. at noon.	17		
18	30.207	30.377	40.0	29.4	35.7	30.7	33.9	30.0	W	0.5	W	0.5	.00	2.5 Wly	3.6i-ct.	0	0	Fine, sunny.	18		
19*	30.394	30.332	45.2	27.1	35.8	32.3	40.9	39.0	W	0.5	W	1.5	.00	1.5 Wly	3.6i-ct.	0	0	Fine; sunny at times.	19		
20	30.335	30.334	52.0	39.9	47.4	44.0	44.3	41.8	W	2.0	W	1.0	.00	1.5 Wly	8.6i-ct.	0	0	Fine, sunny. — Trace of so.-ha. at 10h.	20		
21	30.319	30.291	58.0	33.7	37.1	36.3	43.2	40.0	W	0.5	Wly	0.5	.00	0	0	0	0	Morning thick h., with heavy fr.; day fine, sunny.	21		
22	30.271	30.214	61.2	32.9	44.1	39.2	43.0	40.5	W	1.0	Calu.	0	.00	0	0	0	0	Fine, sunny; cloudless.	22		
23	30.220	30.232	61.4	34.9	43.9	40.0	44.3	42.0	Calu.	0	Variable	0.5	.00	0	0	0	0	Fine, sunny; hazy.	23		
24	30.330	30.374	60.2	35.0	39.9	38.3	43.9	41.3	E. var.	0.5	Variable	0.5	.00	0	0	0	0	Fine, sunny; thick h. in the morning.	24		
25	30.431	30.385	62.2	37.0	44.3	41.8	51.9	47.0	W	0.5	Calu.	0	.00	1.4 Wly	1.6i-ct.	0.5 Wly	4.6i-ct.	Fine, sunny; hazy.	25		
26*	30.336	30.319	53.1	36.9	43.7	41.7	40.0	40.0	Calu.	0	E 1.5	1.5	.00	0	0	n.d.	10 th l.	Fine, sunny; cloudless dur. day; clear, very damp at 26 th h.	26		
27	30.264	30.306	47.0	39.1	41.8	41.0	39.9	38.3	E	2.4	E	2.0	.02	3.6i-ct.	10 th l.	2.5 Wly	8.6i-ct.	Cloudy with drizz. sho. till 9h.; fine, sunny after 11h.	27		
28	30.292	30.199	45.0	32.8	39.2	37.3	40.7	40.0	E	1.5	E 1.5	2.0	.00	2.5 Wly	8.6i-ct.	2.5 Wly	2.5 Wly	Morning thick h.-fr.; day fine, sunny.	28		
29	30.124	29.954	42.6	34.2	35.7	35.1	40.8	39.8	E	0.5	SE 0.5	0.5	.00	n.d.	10 th l.	1.6i-ct.	8.6i-ct.	Cloudy; overhanging haze; sunny mto. afternoon.	29		
30	29.879	29.754	57.0	38.9	49.0	45.1	47.8	44.2	W	2.0	W	2.0	.00	1.5 Wly	8.6i-ct.	?	8.6i-ct.	Fine; mostly sunny. — Lu.-ha. at 21h.	30		
31	29.630	29.672	56.0	41.8	50.8	46.8	45.9	44.0	SE	2.4	SE	1.5	.03	2.5 Wly	7.6i-ct.	n.d.	10 th l.	Fine; sunny at times; sho. aft. 19h. — So. ha. at 21h.	31		
Sums.	929.801	930.038	1570.2	1160.2	1327.3	1240.1	1327.7	1251.4	5x.	46.	46.	0.76		182		91					
Corrected Means.	29.994	30.001	50.6	37.4	42.8	40.0	42.8	40.4	1.7	1.5	1.5	0.76		5.9		2.9					
No. of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				

BAROMETER, "corrected Mean" = 29.994
at 9 h.
"Corrected Mean" at 24 h. *Q* m. ... = 30.001
70 f-
Mean, reduced to 32°, and Sea-level, = 29.997
Highest corrected Reading at 24thh. ... = 30.431
Universal Time, on the 25thh. ...
Lowest corrected Reading at 26thh. ... = 29.286
Universal Time, on the 1st.
Difference, or Monthly Range, = 1.145

S. - R. THERMOMETERS (in shade, &c.) = 62.2
Highest in Month (corrected for Index Errors) on the 25thh. ...
Lowest in Month, (corrected for Index Errors), on the 19thh. ... = 27.1
Difference, or Monthly Range, = 35.1
"Corrected Mean" of all the Highest, (Col. 3), = 50.6
"Corrected Mean" of all the Lowest, (Col. 4), = 37.4
Difference, or Mean Daily Range, = 13.2
Calculated Mean Temperature of Month, = 44.0

HYGROMETER, "Corrected Mean" of 9 h. and 21 h. Reading of Dry Bulb (Cols. 5 and 7), = 42.8
"Corrected Mean" of 9 h. and 21 h. Reading of Wet Bulb (Cols. 6 and 8), = 40.2
Computed Temperature of Dew-Point, = 37.15
Do. Elastic Force of Vapour, ... = 0.22155 2.56
Relative Humidity (Saturation = 100), = 53.81
RAIN fell on 9 Days; Amount, = 0.76 Inch.
WIND. SUMMARY.
Direction. N NE E SE S SW W NW Calm or Variable. Mean Force. Mean Velocity in miles per day.
9 h. 1 0 6 1 1 8 2 2 1.7
21 h. 1 4 2 1 3 16 4 1.5
Mean. 1 0 5 1 1 2 7 1 3 1.6 = 2.56

NOTATION USED IN GENERAL REMARKS.
a. denotes aurora. m. denotes meteor.
ci. cirrus. ms. meteors.
ci. cu. cirro-cumulus. n. nimbus.
ci. st. cirro-stratus. r. rain.
cu. cumulus. c. h. r. heavy rain.
cu. f. cumulo-form. c. h. r. continued heavy rain.
cu. st. cumulo-stratus. st. stratus.
d. dew. sc. scud.
f. fog. sl. sleet.
fr. frost. s. snow.
h. fr. hoar-frost. so. ha. solar halo.
h. haze. sq. squall.
h. d. heavy dew. sqs. squalls.
hl. hail. t. thunder.
l. lightning. t. s. thunder storm.
li. cl. light clouds. w. wind.
li. sh. light showers. g. gale of wind.
lu. co. lunar corona. n. d. not discernible.
lu. ha. lunar halo.

TABLE FOR ESTIMATING FORCE OF WIND.
Estimated Force, 0—6. Common Designation. Estimated Force, 0—6. Common Designation.
0 Calm. 3 Very fresh.
0.5 Very light air. 4 Blowing hard.
1 Light air. 5 Blowing a gale.
1.5 Light breeze. 6 Violent gale.
2 Fresh breeze.

Where an asterisk appears in Columns 3 and 4, the Highest Temperatures for the 24 hours (preceding 21 h.) were registered during the Night, and the Lowest Temperatures during the Day.
These Hygrometrical Deductions are calculated from Glaisher's Hygrometrical Tables, Sixth Edition.
Observations made and Return verified by *James Bolam & George Redpath* (Signed) *W. A.*

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at LEITH, County of Edinburgh, in Lat. 55° 59' N., Long. 3° 10' W., during the MONTH of *April* 18*93*; Distance from Sea, Half-Mile.

The Hours of Observation are of Universal Time, same as Greenwich Mean Time.

NOTE.—All the 9 h. Barometric Observations in this Schedule, except those marked *X*, were made with a Kew Marine; all the 21 h. *O* m. Observations, and those marked *X*, with a Fortin Standard.

Days of Month.	BAROMETER, Corrected and Reduced to 32° and Sea Level.		SELF- REGISTERING THERMO- METERS, In Shade 4 feet above Grass.		HYGROMETER. Kew No.				WIND.				RAIN. Amount in inches.	CLOUDS.				SPECIAL REMARKS.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, &c.	Days of Month.
	9 h.	21 h. <i>O</i> m.	Max. Kew No.	Min. Kew No.	9 h.		21 h.		9 h.		21 h.			9 h.	21 h.					
	Inches.	Inches.	°	°	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	Direction	Force, 0—6.	Direction	Force, 0—6.		Velocity (0—6), and Direction.	Amount, (0—10), and Species.	Velocity (0—6), and Direction.	Amount, (0—10), and Species.			
1	29.915	30.061	51.8	43.7	47.0	43.2	44.9	40.9	WSW	1.0	W	14.5	0.01	2 W : 46 i. st.	0	n.d.	10 st.	Fine; cloudy, with sunny inters. So. ha. at 10 h.	1	
2 <i>X</i>	30.161	30.171	56.1	40.9	48.2	43.2	48.9	44.7	WSW	2.0	WSW	2.25	.00	2 W	16 u.	n.d.	10 st.	Fine, sunny; evening cloudy.	2	
3	30.187	30.235	58.0	45.6	50.3	46.5	48.8	45.3	WSW	2.4	WSW	1.52	.00	1 1/4 Wly	2 st. Cir.	n.d.	4 faint st.	Fine; mostly sunny during afternoon.	3	
4	30.313	30.273	52.0	36.7	46.8	43.9	41.9	41.2	Caln	0	NEly	0.25	.00	n.d.	10 f.	0	0	Morn. thick f.; day fine, sunny.	4	
5	30.234	30.136	55.0	38.2	39.9	39.8	53.9	48.1	Ely	1.0	S	2.0	.00	n.d.	10 f.	0	0	Thick f. till about 10 h., then sunny.	5	
6	30.252	30.308	53.9	39.9	46.4	44.0	40.6	40.0	E	2.0	NE	2.0	.00	0	0	n.d.	10 st. haze.	Fine, sunny till abt. 16 h.; thick overhanging cl. aft. 16 h.	6	
7	30.486	30.560	50.0	38.9	42.9	42.0	45.5	44.1	Caln	0	ENE	0.5	.00	?	10, species?	n.d.	10 st.	Cloudy; fine.	7	
8	30.644	30.620	51.3	41.9	43.9	42.8	42.1	41.0	E	1.5	E	0.5	.00	n.d.	10, species?	0	0	Fine; cloudy till noon, then sunny.	8	
9 <i>X</i>	30.504	30.353	49.1	36.8	44.5	41.2	41.8	41.0	E	1.5	Caln	0	.00	1.5 E	1 thin cl.	0	0	Fine, sunny.	9	
10	30.408	30.374	48.8	34.8	44.3	43.0	43.9	42.0	E	2 3/4	E	2.25	.00	2 3/4 E: 10 st. dr. cl.	n.d.	10 st.	Fine; sunny after 14 h. 30 m.	10		
11	30.466	30.474	48.6	40.4	46.9	41.1	41.6	38.0	E	2.0	Sly	0.25	.00	2 ENE	76 u.	n.d.	9 st.	Fine; mostly sunny.	11	
12	30.429	30.356	55.2	35.9	46.2	40.9	46.9	45.1	W W	1.5	E	1.0	.00	0	0	n.d.	10 stratiform.	Fine; sunny till 14 h., then cloudy.	12	
13	30.443	30.336	49.0	40.9	44.1	39.2	43.9	41.0	NE	2.0	W	0.5	.01	1 3/4 N: 8 thin cl.	0	0	Fine, sunny.	13		
14	30.243	30.146	56.6	38.8	50.6	44.8	48.6	43.2	W	1.4	W	2.0	.00	0	0	n.d.	10 st.	Fine; sunny at times.	14	
15	29.992	30.042	56.0	41.9	51.4	44.1	41.9	41.8	W	2-3	ENE	2.2 1/2	.15	2 W	10, species?	n.d.	10 st.	Fine, cloudy; sunny inters. dur. afternoon. h. r. aft. 20 h.	15	
16 <i>X</i>	30.159	30.240	41.9	35.1	36.1	35.9	35.6	35.0	E. by N.	2.4	ENE	1.0	.75	3 E. by N.	10 cl. f. N	n.d.	10, species?	Cloud; con. r. with occas. sho. of hail, dust, and snow.	16	
17	30.284	30.141	45.1	34.8	40.3	37.5	43.2	42.2	SE	2.0	SE	0.5	.03	2 SE	106 u.	n.d.	10 stratiform.	Cloudy; li. sho. at 9 h. and at inters. aft. 16 h.	17	
18	29.975	29.941	55.5	42.7	49.8	48.9	51.3	50.7	SE	0.25	Caln	0	.42	2.58 W. r.	10, species?	n.d.	10, species?	Overcast; frequent showers.	18	
19	29.961	29.924	60.2	46.9	49.1	47.9	49.0	47.4	SE	0.25	NE	0.25	.01	1.1 W	10 thin cl.	n.d.	3 st.	Fine; mostly sunny aft. 10 h. — So. ha. at noon.	19	
20	30.021	30.207	59.0	46.0	52.1	49.4	46.9	45.9	SE	0.25	E	2.4	.06	1.5 S:	9 thin cl.	2 E	7 st.	Fine; sunny at times; li. sho. till abt. 11 h.	20	
21	30.287	30.248	49.1	43.9	46.7	45.0	44.9	43.7	ENE	2.5	ENE	2.0	.00	2.4 E	106 u.	?	10 st.	Fine, sunny.	21	
22	30.236	30.170	51.9	41.0	46.9	45.0	44.9	43.6	NE	2.0	NE	1.15	.00	2.4 Ely	16 u.	0	0	Morning h. d.; day fine, sunny.	22	
23 <i>X</i>	30.171	30.162	52.6	41.9	45.9	44.7	45.1	44.0	NE	2.0	NE	1.4	.00	2.4 NE	8 thin cl.	0	0	Fine; sunny after 11 h.	23	
24	30.163	30.128	57.5	40.0	46.1	45.2	46.2	45.2	Ely	0.5	NE	0.25	.00	n.d.	10 f.	0	0	Morn. thick f.; day fine, sunny.	24	
25	30.171	30.171	54.0	41.9	47.6	46.2	44.9	44.3	ENE	1.4	NE	1.5	.00	1.6 (prob): 5 dr. cl. st.	NE	n.d.	10 f.	Thick f. till 7 h., then mostly sunny. — So. ha. at 10 h.	25	
26	30.123	30.033	56.9	42.8	45.6	44.4	45.8	44.1	E	0.5	Var.	0.51.	.00	?	10, species?	0.5 W: 8 thin cl.	Fine; cloudy till abt. 11 h., then sunny. — So. ha. at noon.	26		
27	30.035	29.933	60.8	41.6	53.3	49.9	53.9	48.9	S	0.5	WSW	2.0	.00	0	0	1 W: 10 thin cl.	Fine, sunny; h. d. morning; evening cloudy.	27		
28	29.972	29.933	58.0	44.9	52.1	45.3	46.1	42.8	W	1.4	WSW	2.0	.00	2.1 W: 3 faint cl. st.	?	9 shaly cl. st.	Fine; mostly sunny. — So. ha. at noon & So. ha. with rather faint much of afternoon at 7 h.	28		
29	29.769	29.730	50.2	41.9	45.1	42.1	43.9	40.0	W	1.3	W	2.0	.18	2 W: 9 shaly cl. r.	0	0	Changeable; freq. sho. with h. at 15 h. 40 m.; fine after 16 h.	29		
30 <i>X</i>	29.798	29.907	54.2	39.1	47.8	42.4	43.9	40.3	W	2.25	W	2.2 1/2	.06	1.5 W: 26 i. cl. f.	2 W: 16 u.	1 1/2 W: 6 thin cl. 6 i. cl. f.	Fine, sunny; brisk sh. of h. and r. at 14 h. 45 m.	30		
Sums.	905.802	905.310	1598.3	1219.8	1397.9	1309.5	1367.8	1300.5	39.3	33.7			1.69		163		180			
"Corrected Means."	30.193	30.177	53.3	40.7	46.6	43.6	45.6	43.4	1.31	1.12			1.69		5.4		6.0			
No. of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			

BAROMETER, "corrected Mean" = 30.193
at 9 h.
"Corrected Mean" at 21 h. *O* m. ... = 30.177
Mean, reduced to 32°, and Sea-level, = 30.185
Highest corrected Reading at 11 h. ... = 30.653
Universal Time, on the ...
Lowest corrected Reading at 15 h. ... = 29.682
Universal Time, on the ...
Difference, or Monthly Range, = 0.971

S. - R. THERMOMETERS
(in shade, &c.) = 60° 8
Highest in Month (corrected for Index Errors) on the 27th.
Lowest in Month, (corrected for Index Errors), on the 10th. = 34.8
Difference, or Monthly Range, = 26.0
"Corrected Mean" of all the Highest, (Col. 3), = 53.3
"Corrected Mean" of all the Lowest, (Col. 4), = 40.7
Difference, or Mean Daily Range, = 12.6
Calculated Mean Temperature of Month, = 47.0

HYGROMETER, "Corrected Mean" of 9 h. and 21 h. Reading of Dry Bulb (Cols. 5 and 7), = 46° 0
"Corrected Mean" of 9 h. and 21 h. Reading of Wet Bulb (Cols. 6 and 8), = 43.5
Computed Temperature of Dew-Point, = 40.7
Do. Elastic Force of Vapour, ... = 0.255
Relative Humidity (Saturation = 100), = 83
RAIN fell on 11 Days; Amount, = 1.69 Inches.

WIND.	SUMMARY.						
Direction	N	NE	E	SE	S	SW	W
9 h.	1	2	1	1	0	9	0
21 h.	1	4	8	1	2	0	2
Mean.	3	3	9	2	2	9	2

NOTATION USED IN GENERAL REMARKS.

a.	denotes aurora.	m.	denotes meteor.
ci.	" cirrus.	ms.	" meteors.
ci. cu.	" cirro-cumulus.	n.	" nimbus.
ci. st.	" cirro-stratus.	r.	" rain.
cu.	" cumulus.	h. r.	" heavy rain.
cu. f.	" cumulus-form.	c. h. r.	" continued heavy rain.
cu. st.	" cumulo-stratus.	st.	" stratus.
d.	" dew.	sc.	" scud.
f.	" fog.	sl.	" sleet.
fr.	" frost.	sn.	" snow.
h. fr.	" hoar-frost.	so. ha.	" solar halo.
h.	" haze.	sq.	" squall.
h. d.	" heavy dew.	sq.	" squalls.
hl.	" hail.	t.	" thunder.
l.	" lightning.	t. s.	" thunder storm.
li. cl.	" light clouds.	w.	" wind.
li. sh.	" light showers.	g.	" gale of wind.
lu. co.	" lunar corona.	n. d.	" not discernible.
lu. ha.	" lunar halo.		

TABLE FOR ESTIMATING FORCE OF WIND.

Estimated Force, 0—6.	Common Designation.	Estimated Force, 0—6.	Common Designation.
0	Calm.	3	Very fresh.
0.5	Very light air.	4	Blowing hard.
1	Light air.	5	Blowing a gale.
1.5	Light breeze.	6	Violent gale.
2	Fresh breeze.		

* Where an asterisk appears in Columns 3 and 4, the Highest Temperatures for the 24 hours (preceding 21 h.) were registered during the Night, and the Lowest Temperatures during the Day.

† These Hygrometrical Deductions are calculated from Glaisher's Hygrometrical Tables, Sixth Edition.

Observations made and Return verified by

(Signed)

James Pollock + George Redpath

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at LEITH, County of Edinburgh, in Lat. 55° 59' N., Long. 3° 10' W., during the MONTH of *May* 1893; Distance from Sea, Half-Mile.

The Hours of Observation are of Universal Time, same as Greenwich Mean Time.

NOTE.—All the 9 h. Barometric Observations in this Schedule, except those marked *X*, were made with a Kew Marine; all the 2 h. 0 m. Observations, and those marked *X*, with a Fortin Standard.

Days of Month.	BAROMETER, Corrected and Reduced to 32° and Sea Level.		SELF-REGISTERING THERMO-METERS, In Shade 4 feet above Grass.		HYGROMETER. Kew No.				WIND.				RAIN.	CLOUDS.				SPECIAL REMARKS.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, &c.	Days of Month.	
	9 h.	2 1/2 h. 0 m.	Max. Kew No.	Min. Kew No.	9 h.		21 h.		9 h.		21 h.			9 h.		21 h.					
	Inches.	Inches.	°	°	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	Direction.	Force, 0—6.	Direction.	Force, 0—6.		Amount in inches.	Velocity (0—6), and Direction.	Amount, (0—10), and Species.	Velocity (0—6), and Direction.				Amount, (0—10), and Species.
1	29.927	29.918	53.3	37.9	48.1	42.3	44.9	41.3	W	2.0	W	1.5	0.00	2 W	2 Cu.	2 1/4 W: 4.6i-cuchilly.	0	0	Fine; mostly sunny.	1	
2	29.927	29.899	47.5	41.9	44.9	42.0	47.1	46.9	SE	1.5	E	1.0	1.3	2 1/2 SE, pc.	10 species?	1.5 Ely: 10 stratiform.	0	0	Overcast; showery.	2	
3	30.089	30.233	57.0	44.7	48.8	47.3	47.1	46.8	Ely	0.25	NE	0.25	0.2	2 W	10 (part) buf.	?	10 St.	Mostly cloudy; li. sho. after 15h. 30 m.	3		
4	30.247	30.284	65.1	45.7	51.9	49.9	56.0	53.0	S	1.0	W	0.25	0.0	0	0	n.d.: 10 St.	10 St.	Fine; morning li. d.; day mostly sunny.	4		
5	30.372	30.386	57.3	45.1	51.0	49.1	48.4	46.9	NE	1.5	W	1.5	0.0	1.5 W: 8.6i-cu.	0	n.d.: 10 (part) li-cu.	0	0	Fine, sunny; h. d. in the morning.	5	
6	30.418	30.378	55.8	44.7	48.4	46.9	47.9	46.2	E	1.5	W	1.5	0.0	?	10 species?	n.d.: 9 (part) (frag) cumu.	0	0	Fine, sunny.	6	
7 *	30.485	30.542	58.3	41.3	53.8	46.0	46.9	44.4	SE	2.2	E	2.0	0.0	0	0	n.d.: 10 St.	10 St.	Fine, sunny; nearly cloudless dur. day; evng. cloudy.	7		
8	30.587	30.551	53.3	45.1	52.0	48.7	46.9	45.9	W	2.0	E	2.0	0.0	2 1/2 SE	7 Cu.	2 Ely: 9.6i-cu.	?	10 stratiform.	Fine; mostly sunny during afternoon.	8	
9	30.551	30.498	54.6	44.9	48.7	46.8	47.8	46.3	E	1.4	NE	0.5	0.0	2 1/2 SE	10 Cu.	?	?	Fine, sunny.	9		
10	30.473	30.368	62.0	44.4	50.6	47.8	56.7	50.9	W	0.25	W	0.25	0.0	0	0	n.d.: 10 (part) St. haze.	0	0	thick li. till 1st; day fine, sunny. - So-ha. visit. bet. [10h. + 15h.]	10	
11	30.288	30.182	63.2	53.5	59.7	53.6	55.9	52.2	W	2.4	W	2.2	0.0	2 1/2 W: 10.6i-cu.	1.5 W: 2 Cu.-buf.	2 1/4 W: 6.6i-cu.	?	?	[Partial] So-ha. at 10h.	11	
12	30.057	30.079	60.3	51.9	54.9	52.0	54.1	51.9	W	2.0	W	2.2	0.2	2 1/2 W: 10 Cu.	1.5 W: 5 (part) St.-buf.	2.5 W: 4.6i-cu.	0	0	Fine, sunny at times after 12 1/2 h.; shot bet. 8h. & 15h.	12	
13	30.135	30.061	67.1	51.8	58.5	52.9	58.6	51.9	W	1.4	Cal.	0	0.0	1.5 SE	10 Cu.	?	0	0	Fine, sunny.	13	
14 *	30.056	30.039	70.2	49.8	59.7	54.1	50.9	49.1	W	0.5	E	1.5	0.0	?	10 thick li-cu.	0.5 SE: 8.6i-cu. chiefly.	0	0	Fine; mostly sunny after 12h. 30 m.	14	
15	30.077	30.035	55.0	47.4	53.9	50.0	47.9	46.1	E	2.5	E	2.4	0.0	2.5 Ely: 3.6i-cu.	2.5 SE: 3 Cu.	2 1/4 E: 10 thin Cu.	0	0	Fine, sunny. - So-ha. visit. at times dur. day.	15	
16	29.916	29.794	54.7	46.0	49.8	47.0	47.8	46.1	E	1.4	W	2.0	0.0	2.5 SE	10 Cu.	1.5 Ely: 10 stratiform.	0	0	Fine; mostly cloudy.	16	
17	29.692	29.595	54.6	46.8	51.0	48.0	48.7	47.9	E	3.0	NE	2.3	0.0	2.5 E	10 St.-buf.	3.5 E: 10 stratiform.	0	0	Cloudy; li. sho. at mids. after 14h. - So-ha. at 10h.	17	
18 *	29.502	29.501	56.1	47.4	48.6	48.1	51.1	50.2	E	1.5	E	1.0	0.50	?	10 species?	1.5 SE, pc.: 10 stratiform.	0	0	Cloudy; const. v. (heavy at times) till abt. 16h. then fine.	18	
19	29.545	29.500	61.6	49.9	59.1	54.2	51.1	50.9	SE	1.0	E	1.4	0.74	1.5 SE	3.6i-cu.	1.5 SE: 9 thin Cu.	0	0	Cloudy; sunny at times; sho. at mids. aft. 12 1/2 h. - T.L. at [14h. 45 m.]	19	
20	29.464	29.515	63.3	50.6	57.5	54.1	51.9	50.9	SE	1.0	E. var.	0.25	0.27	1.5 SE	3.6i-cu.	1.5 SE: 10 species?	?	?	Changeable; li. sho. again for sunny mids.; h. li. bet. 13 1/4 & 13 1/2 h. - T.L. [at 16h. 50 m. and li. sho. later.]	20	
21 *	29.586	29.740	64.3	49.8	57.1	51.2	49.8	47.0	SE	1.4	SE	0.5	0.07	2.5 SE	8 Cu.	1 1/4 S: 9 thin Cu.	2.5 W: 8 Cu.-st.	0	0	Fine, sunny at times till abt. 16h.; dust out T. with brisk sh.	21
22	29.826	29.813	64.3	46.4	55.6	53.0	56.9	52.7	W	1.0	S	1.0	0.6	1.5 SE	7.6i-cu.	1.5 Ely: 1.6i-cu. thin Cu.	0	0	Cloudy; sho. bet. 4h. & 7 1/2 h.; sunny mids. dur. afternoon.	22	
23	29.655	29.662	63.7	51.8	59.7	54.9	53.6	49.9	W	2.0	W	1.5	0.2	2 1/2 W	13 Cu.	2 1/2 W: 10 St.-buf.	0	0	Cloudy, with sunny mids.; a few passing sho.	23	
24	29.698	29.939	68.0	50.2	57.7	52.9	53.8	49.4	W	2.2	W	2.4	0.0	2 1/2 W	7 Cu.	2 1/2 W: 10.6i-cu. 10.6i-cu. & li-cu.	0	0	Fine, sunny.	24	
25	29.895	30.082	65.4	51.8	58.1	51.3	53.4	48.9	W	2.5	W	1.5	0.0	2.5 W	7 Cu.	1.5 W: 4 St. thermos. only read at 8h. 20 m.	0	0	Fine; mostly sunny.	25	
26	30.199	30.215	62.8	48.8	55.2	49.7	54.5	50.1	W	1.0	W	1.5	0.0	1.5 W	10 Cu.	1.5 W: 8 (part) St.	0	0	Fine; cloudy till 13h. 15 m., then mostly sunny.	26	
27	30.245	30.250	69.6	48.0	58.9	53.9	51.3	49.2	W	1.5	W	1.0	0.0	1.5 W	10 Cu.	1.5 W: 10 thin Cu.	0	0	Fine; sunny at times; li. sho. about 17h. 30 m.	27	
28 *	30.181	30.114	72.0	49.8	60.7	55.9	56.9	55.9	W	2.0	Cal.	0	0.44	1.5 W	10 thin Cu.	1.5 W: 9 St.-Cu.	0	0	Cloudy, with mids. of bright sunshine; very h. v. between [16h. 30 m. and 17h. 40 m.]	28	
29	30.176	30.206	56.9	46.6	47.0	41.6	46.9	43.5	E	2.5	E	2.0	0.74	3.5 E, pc.	10 species?	2.5 E: 9 thin Cu.	2 1/4 W: 3.6i-cu.	0	0	Cloudy, nearly const. v. bet. 4h. & 11h.; mostly sunny aft. 15h.	29
30	30.169	30.107	56.0	44.7	50.2	44.2	44.7	41.8	W	1.4	SE	0.25	0.0	1.5 W	9 Cu.	?	?	?	Fine, sunny.	30	
31	30.079	30.032	61.0	42.9	50.9	46.1	50.6	47.9	W	0.25	W	0.25	0.0	1.5 W	9 Cu.	1.5 W: 10 thin Cu.	0	0	Fine; mostly sunny.	31	
Sums.	931.517	931.460	1874.3	1461.6	1659.0	1535.5	1680.1	1502.1		47.3		38.8	1.81	79		169					
"Corrected Means."	30.049	30.047	60.5	47.1	53.5	49.5	50.6	48.5		1.5		1.2	1.81	6.3		5.5					
No. of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				

BAROMETER, "corrected Mean" = 30.049
at 9 h.

"Corrected Mean" at 2 h. 0 m. ... = 30.047

Mean, reduced to 32°, and Sea-level, = 30.048

Highest corrected Reading at 8 h. ... = 30.590
Universal Time, on the 28th.Lowest corrected Reading at 7 h. ... = 29.462
Universal Time, on the 20th.

Difference, or Monthly Range, = 1.128

S. - R. THERMOMETERS
(in shade, &c.) = 72.0

Highest in Month (corrected for Index Errors) on the 28th.

Lowest in Month, (corrected for Index Errors), on the 1st. = 37.9

Difference, or Monthly Range, = 34.1

"Corrected Mean" of all the Highest, (Col. 3), = 60.5

"Corrected Mean" of all the Lowest, (Col. 4), = 47.1

Difference, or Mean Daily Range, = 13.4

Calculated Mean Temperature of Month, = 53.8

HYGROMETER, "Corrected Mean" of 9 h. and 21 h. Reading of Dry Bulb (Cols. 5 and 7), = 52.0

"Corrected Mean" of 9 h. and 21 h. Reading of Wet Bulb (Cols. 6 and 8), = 49.0

Computed Temperature of Dew-Point, = 45.9

Do. Elastic Force of Vapour, ... = 0.304 310

Relative Humidity (Saturation = 100), = 77.80

RAIN fell on 11 Days; Amount, = 1.81 Inches.

WIND.	SUMMARY.									
	N	NE	E	SE	S	SW	W	NW	Cal.	Mean
9 h.	2	1	9	1	4	1	1	1		
21 h.	6	3	9	1	2		7	1		
Mean.	5	2	9	1	3	1	4	0	1	196

NOTATION USED IN GENERAL REMARKS.

a.	denotes	m.	denotes
ci.	aurora.	ms.	meteor.
ci-cu.	" cirrus.	n.	" nimbus.
ci-st.	" cirro-cumulus.	r.	" rain.
cu.	" cumulus.	c. h. r.	" continued heavy rain.
cu-f.	" cumulo-form.	st.	" stratus.
cu-st.	" cumulo-stratus.	sc.	" scud.
d.	" dew.	sl.	" sleet.
f.	" fog.	s.	" snow.
fr.	" frost.	so. ha.	" solar halo.
h-fr.	" heat-frost.	sq.	" squall.
h.	" haze.	squ.	" squalls.
h. d.	" heavy dew.	t.	" thunder.
hl.	" hail.	t. s.	" thunder storm.
l.	" lightning.	w.	" wind.
li. cl.	" light clouds.	g.	" gale of wind.
li. sh.	" light showers.	n. d.	" not discernible.
lu. co.	" lunar corona.		
lu. ha.	" lunar halo.		

TABLE FOR ESTIMATING FORCE OF WIND.

Estimated Force, 0-6.	Common Designation.	Estimated Force, 0-6.	Common Designation.
0	Calm.	3	Very fresh.
0.5	Very light air.	4	Blowing hard.
1	Light air.	5	Blowing a gale.
1.5	Light breeze.	6	Violent gale.
2	Fresh breeze.		

* Where an asterisk appears in Columns 3 and 4, the Highest Temperatures for the 24 hours (preceding 21 h.) were registered during the Night, and the Lowest Temperatures during the Day.

† These Hygrometrical Deductions are calculated from Glaisher's Hygrometrical Tables, Sixth Edition.

Observations made and Return verified by

(Signed)

James Bolam & George Redpath.

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at LEITH, County of Edinburgh, in Lat. 55° 59' N, Long. 3° 10' W, during the MONTH of *June* 18*93*; Distance from Sea, Half-Mile.
The Hours of Observation are of Universal Time, same as Greenwich Mean Time.

NOTE.—All the 9 h. Barometric Observations in this Schedule, except those marked *X*, were made with a Kew Marine; all the 2 h. 0 m. Observations, and those marked *X*, with a Fortin Standard.

Days of Month.	BAROMETER, Corrected and Reduced to 32° and Sea Level.		SELF-REGISTERING THERMOMETERS, In Shade 4 feet above Grass.		HYGROMETER.				WIND.				RAIN.	CLOUDS.				SPECIAL REMARKS.	GENERAL REMARKS.	Days of Month.	
	Kew No.		Kew No.		Kew No.		Kew No.		Kew No.		Kew No.			Kew No.							
	9 h.	2 1/2 h. 0 m.	Max. Kew No.	Min. Kew No.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	Direction.	Force, 0-6.	Direction.	Force, 0-6.		Amount in inches.	Velocity (0-6), and Direction.	Amount, (0-10), and Species.	Velocity (0-6), and Direction.	Amount, (0-10), and Species.			
	Inches.	Inches.	o	o	o	o	o	o	o	o	o	o		o	o	o	o	o			o
1	29.989	29.915	63.0	49.6	59.9	53.5	55.2	51.1	W	0.5	W	0.25	0.00	17.7	W. 7.4	0.5	W. 8.0	Small cu.	Fine, cloudy; sunny inters. dur. afternoon.	1	
2	29.892	29.850	65.0	46.0	58.3	51.3	53.8	51.2	W	1.4	S. Ely	1.0	0.00	14.4	W. 3.4	1.5	S. 3.4	Small cu.	Fine, sunny.	2	
3	29.859	29.917	71.2	47.7	55.4	52.1	56.9	52.0	Ely	1.4	S. W	0.25	0.00	14.8	W. 3.4	1.5	S. 3.4	Small cu.	Morning, h. d.; day fine, mostly sunny.	3	
4	30.071	30.117	63.8	49.4	61.7	54.2	55.8	50.7	W	2.2	W	1.5	1.3	2.4	W. 2.4	1.5	S. 2.4	Small cu.	Cloudy, with mists. Bright sunshine, h. d. at 10h. 45m. by	4	
5	30.258	30.316	64.3	49.5	58.7	52.9	57.7	52.9	W	0.5	S. E	0.25	0.00	0	0	0	0	0	Fine, sunny.	5	
6	30.306	30.327	65.0	51.1	56.8	53.4	58.7	54.9	S. Ely	0.25	W. var.	0.25	0.06	1.4	W. 1.4	1.5	S. 1.5	Small cu.	Clear, cond. (mor. to drizz.) n. bet. 11.30h. and 12.30h.	6	
7	30.385	30.397	67.1	52.8	60.4	56.9	58.2	52.1	W	1.0	E. W	1.5	0.00	1.5	W. 1.5	1.5	S. 1.5	Small cu.	Fine, mostly sunny dur. afternoon; thick after	7	
8	30.426	30.399	58.4	51.0	52.5	51.9	51.8	51.3	E	1.5	E. W	1.5	0.00	2.6	W. 2.6	1.5	S. 1.5	Small cu.	Cloudy; hazy.	8	
9	30.408	30.400	57.2	49.8	50.2	49.9	51.9	50.5	E. W	1.5	E. W	2.0	0.01	?	10.4	W. 10.4	1.5	S. 1.5	Small cu.	Cloudy with drizz. h. d. till 8h.; sunny inters. aft. 10h.	9
10	30.419	30.361	65.0	49.9	56.5	52.9	55.8	52.2	E	1.4	E	1.5	0.00	17.7	W. 7.4	0.5	W. 8.0	Small cu.	Fine, mostly sunny. - Partial S. h. at 1.5h. 25m.	10	
11	30.295	30.208	66.0	50.2	60.2	54.9	55.4	52.3	W	1.5	E. var.	0.25	0.00	?	10.4	W. 10.4	1.5	S. 1.5	Small cu.	Fine, sunny; nearly cloudless.	11
12	30.182	30.104	63.0	48.7	59.7	54.7	53.2	51.9	E. W	1.4	E. W	1.5	0.00	?	10.4	W. 10.4	1.5	S. 1.5	Small cu.	Fine, sunny.	12
13	30.089	30.027	61.3	50.8	53.0	51.9	53.1	52.2	W	1.4	E. W	2.2	0.00	?	10.4	W. 10.4	1.5	S. 1.5	Small cu.	Fine; sunny after 10h.	13
14	30.013	29.987	65.1	50.8	57.9	54.1	52.8	51.3	W	2.5	E	2.4	0.00	?	10.4	W. 10.4	1.5	S. 1.5	Small cu.	Fine, sunny. - Part S. h. at noon.	14
15	30.052	30.041	61.7	50.8	52.8	51.6	55.8	54.2	W	1.5	E. var.	0.25	0.01	?	10.4	W. 10.4	1.5	S. 1.5	Small cu.	Fine, mostly sunny aft. 10h.; pass. h. d. at 1.5h.	15
16	30.102	30.189	79.3	53.4	67.6	61.0	66.1	61.5	W	1.5	W	1.5	0.00	2.4	W. 2.4	1.5	S. 1.5	Small cu.	Fine, sunny.	16	
17	30.316	30.334	79.5	62.7	69.8	62.9	68.8	62.4	W	2.0	W	2.0	0.00	1.5	W. 1.5	1.5	S. 1.5	Small cu.	Fine, sunny.	17	
18	30.323	30.164	84.1	57.1	72.9	64.5	70.8	64.1	W	1.0	W	1.5	0.00	?	10.4	W. 10.4	1.5	S. 1.5	Small cu.	Fine, sunny; mostly cloudless.	18
19	30.038	29.948	80.3	56.2	66.9	62.9	66.8	52.0	W	1.5	E	2.0	0.00	1.4	W. 1.4	1.5	S. 1.5	Small cu.	Mor. r. g. cloudy; bright sunshine at times dur. day.	19	
20	29.900	29.881	65.0	50.9	59.7	52.1	56.8	50.9	E. W	1.4	E. W	1.5	0.00	1.4	W. 1.4	1.5	S. 1.5	Small cu.	Fine, mostly cloudy.	20	
21	29.882	29.754	65.6	51.5	57.6	52.1	58.4	52.9	E	1.5	S	1.0	0.00	1.4	W. 1.4	1.5	S. 1.5	Small cu.	Fine, sunny.	21	
22	29.578	29.395	59.9	50.8	57.3	53.2	51.6	50.3	W	1.0	W	2.5	1.2	2.4	W. 2.4	1.5	S. 1.5	Small cu.	Cloudy; thick h. d. aft. 10h. & li. h. d. at inter. later.	22	
23	29.296	29.366	51.6	47.5	49.4	48.9	49.6	48.7	W	2.5	W	2.5	1.12	3.7	W. 3.7	1.5	S. 1.5	Small cu.	Overcast; nearly constant rain.	23	
24	29.422	29.517	62.0	46.6	54.5	49.9	54.8	49.7	W	0.5	W	1.5	1.1	1.7	W. 1.7	1.5	S. 1.5	Small cu.	Fine; sunny inters. after 12h. 15m.	24	
25	29.614	29.713	65.2	48.1	56.9	51.2	54.7	50.1	W	2.2	W	1.5	0.05	1.5	W. 1.5	1.5	S. 1.5	Small cu.	Cloudy with short inters. of sunshine; a few h. d. dur. afternoon.	25	
26	29.751	29.676	64.6	53.4	59.2	50.7	56.0	51.2	W	0.5	E. var.	1.0	0.00	0.5	W. 0.5	1.5	S. 1.5	Small cu.	Fine, sunny. - Solar halo at 2.0h.	26	
27	29.404	29.386	67.9	53.0	59.5	57.4	62.1	59.0	S. E	1.0	Variable	1.0	2.2	2.5	W. 2.5	1.5	S. 1.5	Small cu.	Cloudy; showery.	27	
28	29.310	29.410	67.4	57.8	66.5	59.9	60.5	57.2	S	0.5	S	2.0	0.03	1.5	W. 1.5	1.5	S. 1.5	Small cu.	Cloudy; light showers.	28	
29	29.662	30.012	65.1	55.6	59.2	55.3	55.9	52.1	W	2.0	W	2.4	0.08	2.5	W. 2.5	1.5	S. 1.5	Small cu.	Dull and cloudy; sunny at times.	29	
30	30.146	30.150	66.9	49.4	61.9	57.2	56.4	54.9	W	1.0	W	0.25	0.00	1.5	W. 1.5	1.5	S. 1.5	Small cu.	Fine, sunny.	30	
Sums.	899.328	899.261	1951.5	154.2	1772.9	1635.5	1700.0	1597.8					1.94			136		148			
Corrected Means.	29.978	29.975	66.0	51.4	59.1	54.5	56.7	53.3					1.94			4.5		4.9			
No. of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				

BAROMETER, "corrected Mean" = 29.978
at 9 h.
"Corrected Mean" at 2 h. 0 m. ... = 29.975
Mean, reduced to 32°, and Sea-level, = 29.976
Highest corrected Reading at 8 h. ... = 30.428
Universal Time, on the 8th.
Lowest corrected Reading at 8 h. ... = 29.293
Universal Time, on the 23rd.
Difference, or Monthly Range, = 1.135

S. - R. THERMOMETERS (in shade, &c.) = 84° 1
Highest in Month (corrected for Index Errors) on the 18th.
Lowest in Month, (corrected for Index Errors), on the 24th. = 46° 0
Difference, or Monthly Range, = 38° 1
"Corrected Mean" of all the Highest, (Col. 3), = 66° 0
"Corrected Mean" of all the Lowest, (Col. 4), = 51° 4
Difference, or Mean Daily Range, = 14° 6
Calculated Mean Temperature of Month, = 58° 7

HYGROMETER, "Corrected Mean" of 9 h. and 21 h. Reading of Dry Bulb (Cols. 5 and 7), = 57° 9
"Corrected Mean" of 9 h. and 21 h. Reading of Wet Bulb (Cols. 6 and 8), = 53° 9
Computed Temperature of Dew-Point, = 50° 3
Do. Elastic Force of Vapour, ... = 0.368
Relative Humidity (Saturation = 100), = 76
RAIN fell on 11 Days; Amount, = 1.94 Inches.

WIND.	SUMMARY.										
Direction	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.	Mean Velocity in miles per day.
9 h.	2	3	7	2	1	1	1	3			
21 h.	4		10	1	5	1	8	2	1		
Mean.	3	2	8	2	2	1	9	3	0		

NOTATION USED IN GENERAL REMARKS.
a. denotes aurora. m. denotes meteor.
ci. cirrus. ms. meteors.
ci-cu. cirro-cumulus. n. nimbus.
ci-st. cirro-stratus. r. rain.
cu. cumulus. h. r. heavy rain.
cu-f. cumulo-form. c. h. r. continued heavy rain.
cu-st. cumulo-stratus. st. stratus.
d. dew. sc. sleet.
f. fog. sl. snow.
fr. frost. so. ha. solar halo.
h. fr. hour-frost. sq. squall.
h. haze. sqs. squalls.
h. d. heavy dew. t. thunder.
hl. hail. t. s. thunder storm.
l. lightning. w. wind.
li. cl. light clouds. w. gale of wind.
li. sh. light showers. g. gale of wind.
lu. co. lunar corona. n. d. not discernible.
lu. ha. lunar halo.

TABLE FOR ESTIMATING FORCE OF WIND.			
Estimated Force, 0-6.	Common Designation.	Estimated Force, 0-6.	Common Designation.
0	Calm.	3	Very fresh.
0.5	Very light air.	4	Blowing hard.
1	Light air.	5	Blowing a gale.
1.5	Light breeze.	6	Violent gale.
2	Fresh breeze.		

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at LEITH, County of Edinburgh, in Lat. 55° 59' N., Long. 3° 10' W., during the MONTH of July 1893; Distance from Sea, Half-Mile.

The Hours of Observation are of Universal Time, same as Greenwich Mean Time.

NOTE.—All the 9 h. Barometric Observations in this Schedule, except those marked \times , were made with a Kew Marine; all the 2 h. O. m. Observations, and those marked \times , with a Fortin Standard.

Days of Month.	BAROMETER, Corrected and Reduced to 32° and Sea Level.		SELF-REGISTERING THERMOMETERS, In Shade 4 feet above Grass.		HYGROMETER, Kew No.				WIND.				RAIN.	CLOUDS.				SPECIAL REMARKS.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, &c.	Days of Month.				
	9 h.	2 h. 0 m.	Max. Kew No.	Min. Kew No.	Kew No.				Kew No.					Kew No.										
	Inches.	Inches.	°	°	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	Direction.	Force, 0—6.	Direction.	Force, 0—6.		Velocity (0—6), and Direction.	Amount, (0—10), and Species.	Velocity (0—6), and Direction.	Amount, (0—10), and Species.							
1	30.139	30.103	61.0	51.8	53.9	53.4	55.9	55.0	NE	1.0	E	0.5	0.01	?	10.26.	?	10. species?	Thick overhang, till 11h., then much clearer, with	1					
2	30.124	30.132	71.2	54.2	57.4	56.2	60.7	59.7	E	1.0	W. var.	0.25	16	?	10.26.	1.5 S.	8. Cuf.	Clear till 10h., sunny inter. till 18h., then T. L., with break in	2					
3	30.196	30.225	60.7	54.2	57.6	56.3	54.6	53.7	E	1.4	ENE	2.0	00	?	10. species?	2.5 ENE	10.26.	Clear, very thick overhang, with drizzle, r. aft. 2h.	3					
4	30.156	30.082	56.8	53.1	55.2	53.4	53.9	53.1	ENE	2.0	E	2.0	01	2.5 ENE. 10. species?	3. E	10. Cuf.	Cloudy.	4						
5	30.067	30.125	57.2	51.8	53.8	51.9	54.0	52.3	ENE	2.4	ENE	2.0	00	?	10. species?	2. E	10. Cuf.	Cloudy; moderately clear.	5					
6	30.098	30.016	63.0	50.6	59.0	55.1	55.6	54.2	NE	2.0	Variable	0.5	00	1.5 W. by 2. Cuf.	1.5 S. W. 10. species?	1.5 S. W. 10. species?	Fine, sunny till 17h., thick h. abt. 18h., r. cast at 2h.	6						
7	29.926	29.822	66.3	53.9	61.6	57.9	57.7	55.9	ENE	1.0	ENE	1.0	00	0	0	1.5 S. E. 9. thin Cuf.	?	Fine, sunny; evening, cloudy	7					
8	29.777	29.629	63.0	53.8	55.9	55.1	58.7	58.1	ENE	1.5	E. var.	0.5	15	?	10. species?	2.5 S. E. 10. Cuf.	?	Thick h. abt. 11h., then much clearer, with	8					
9	29.487	29.617	67.4	56.0	62.2	61.2	57.7	54.9	SE	2.4	SE	0.25	43	2.5 S. E. 4. Cuf.	1.5 S. E. 9. St. Cuf.	1.5 S. E. 7. faint St. Cuf.	?	Clear till 10h., sunny inter. till 11h., then cloudy; T. L.	9					
10	29.756	29.779	65.1	55.7	60.7	57.4	57.4	55.9	ENE	1.0	SE	1.0	13	1.5 S. E. 10. Cuf.	?	?	?	Clear till 10h., sunny inter. till 11h., then cloudy; T. L.	10					
11	29.775	29.770	62.1	54.8	58.5	57.2	56.5	55.8	ENE	2.4	E	2.0	00	2.4 E	10. (faint) Cuf.	2.5 S. E. 10. Cuf.	?	Cloudy, with sunny inter. dur. afternoon; T. at 11h. 10. m.	11					
12	29.736	29.741	57.8	53.1	55.8	55.3	53.8	52.4	NE	2.0	ENE	2.0	18	2.5 ENE	10. (faint) Cuf.	2.5 ENE	10. (faint) Cuf.	Overcast; drizzle, r.; fair at 2h.	12					
13	29.737	29.777	57.5	51.0	53.8	50.9	52.9	50.3	NE	1.4	SE	0.5	00	1.4 NE	10. Cuf.	1.1 NE	9.5 thin Cuf.	Cloudy; fine.	13					
14	29.893	29.948	62.1	51.3	55.3	51.2	53.8	50.2	NE	1.0	SE	1.0	00	2.1 NE	9.5 Cuf.	1.1 NE	10. thin Cuf.	Fine, cloudy; sunny at times dur. afternoon.	14					
15	29.950	29.896	62.8	50.8	57.7	52.4	55.8	52.5	E	1.0	Calm	0	00	1.1 NE	10. thin Cuf.	?	?	Fine, cloudy, with abn. sunshine at times.	15					
16	29.825	29.732	68.3	48.8	60.5	56.6	59.7	54.9	W	0.5	W	1.0	03	1.5 W. 1.6 Cuf.	1.5 W. 10. Cuf.	?	?	Clear till 10h., sunny inter. till 11h., then cloudy; T. L.	16					
17	29.679	29.787	65.1	50.0	60.9	54.4	56.8	51.9	W. by N	3.0	W. by N	2.25	17	2.5 W. 4. Cuf.	2.1 W. 10. Cuf.	?	?	Heavy drizzle, prev. night; day cloudy, with sunny inter.	17					
18	29.902	29.666	65.0	53.0	60.2	55.3	53.0	51.9	NE	1.4	S	0.25	08	1.5 S. W. 8. Cuf.	1.5 S. W. 10. Cuf.	?	?	Cloudy; cond. r. from 17h. till 20h. - S. h. at 2h.	18					
19	29.416	29.276	71.3	52.8	62.9	60.1	60.7	57.1	W. by N	2.0	SW	1.5	13	2.5 W. 8. Cuf.	2.1 W. 3. Cuf.	?	?	Mostly sunny, with pass. dr. - S. h. at 2h.	19					
20	29.312	29.448	65.8	54.3	58.7	53.9	54.3	50.2	W	3.3	W. by N	3.0	00	2.5 W. 6. Cuf.	2.1 W. 6. Cuf.	?	?	Fine, sunny; equally at times.	20					
21	29.612	29.679	66.0	50.7	59.5	52.7	56.0	51.0	W	2.0	W. by N	1.5	00	1.4 W. 5. Cuf.	1.5 S. W. 3. Cuf.	?	?	Fine, sunny.	21					
22	29.761	29.973	68.1	50.9	59.2	52.9	55.9	51.2	W	2.4	W	2.0	01	2.4 W. 6. Cuf.	1.4 W. 3. thin Cuf.	?	?	Fine; mostly sunny.	22					
23	30.014	29.877	68.3	46.5	61.7	53.9	61.5	58.9	W	1.0	Calm	0	00	0	0	2.5 W. 10. small Cuf.	?	Fine; mostly cloudy during afternoon.	23					
24	29.693	29.580	71.2	56.8	62.7	57.9	56.8	53.9	W. by N	1.5	W	1.5	11	2.5 W. 10. Cuf.	2.4 W. 10. Cuf.	?	?	Fine, except break dr. bet. 13h. & 15h., and abt. 2h.	24					
25	29.534	29.647	67.5	51.8	54.0	53.1	56.9	53.0	W. by N	1.4	W	1.5	14	1.5 W. 10. species?	1.5 W. 10. species?	?	?	Changeable; showery; sunny at times.	25					
26	29.782	30.043	64.4	53.7	59.7	55.4	57.1	53.9	W. by N	1.0	E	1.0	00	1.5 W. 9. thin Cuf.	1.5 W. 9. thin Cuf.	?	?	Cloudy; a few li. dr.; sunny inter. bet. 15h. & 16h.	26					
27	30.198	30.218	64.0	48.3	59.8	52.3	56.1	52.9	E	1.5	SE	0.5	00	0	0	1.5 W. 5. thin Cuf.	?	Fine; mostly sunny.	27					
28	30.198	30.118	64.6	48.4	54.3	52.4	56.9	53.9	Calm	0	W. by N	2.0	00	n. d.	10. species?	2.5 W. 4. Cuf.	?	?	Cloudy; li. dr. abt. 11h.; sunny inter. aft. 16h.	28				
29	29.983	29.874	66.1	53.8	57.2	55.1	56.8	53.9	W. by N	1.5	W	1.5	01	1.5 W. 10. Cuf.	1.5 W. 9. thin Cuf.	?	?	Cloudy, with li. dr. bet. 6h. & 7h.; sunny inter. aft. 12h.	29					
30	29.855	29.870	64.3	49.9	57.5	52.8	54.1	53.1	W	1.0	W. var.	0.25	21	2.1 NE	9. Cuf.	1.5 NE	10. Cuf.	Cloudy; few li. dr. dr. by sunny inter. aft. 12h.	30					
31	29.857	29.927	65.2	50.4	58.7	52.9	55.8	51.1	W. by N	2.0	W	1.5	05	1.5 NE	3. Cuf.	1.5 NE	10. Cuf.	Fine, sunny till abt. 11h., then mostly cloudy;	31					
Sums.	925.438	925.377	1999.2	1616.2	1805.9	1696.6	1747.4	1666.8							223		219							
Corrected Means.	29.853	29.851	64.5	52.1	58.3	54.7	56.0	53.8		1.45		1.07			7.2		7.1							
No. of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17							

BAROMETER, "corrected Mean" = 29.853
 at 9 h.
 "Corrected Mean" at 2 h. O. m. ... = 29.851
 Mean, reduced to 32°, and Sea-level, = 29.852
 Highest corrected Reading at 2h. ... = 30.225
 Universal Time, on the 2d.
 Lowest corrected Reading at 4h. ... = 29.259
 Universal Time, on the 20th.
 Difference, or Monthly Range, = 0.966

S. - R. THERMOMETERS
 (in shade, &c.) = 71.3
 Highest in Month (corrected for Index Errors) on the 19th.
 Lowest in Month, (corrected for Index Errors), on the 23d. = 46.5
 Difference, or Monthly Range, = 24.8
 "Corrected Mean" of all the Highest, (Col. 3), = 64.5
 "Corrected Mean" of all the Lowest, (Col. 4), = 52.1
 Difference, or Mean Daily Range, = 12.4
 Calculated Mean Temperature of Month, = 58.3

HYGROMETER, "Corrected Mean" of 9 h. and 21 h. Reading of Dry Bulb (Cols. 5 and 7), = 57.3
 "Corrected Mean" of 9 h. and 21 h. Reading of Wet Bulb (Cols. 6 and 8), = 54.2
 Computed Temperature of Dew-Point, = 51.5
 Do. Elastic Force of Vapour, ... = 0.382
 Relative Humidity (Saturation = 100), = 81
 RAIN fell on 17 Days; Amount, = 2.11 Inches.

WIND.	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.	Mean Velocity in miles per day.
9 h.	1	5	11				11	2	1	1.45
21 h.	1	9	4	2	1	10	1	3	1.07	
Mean.	1	3	10	2	1	10	1	2	1.46	1.59

NOTATION USED IN GENERAL REMARKS.
 a. denotes aurora.
 ci. cirrus.
 ci.-cu. cirro-cumulus.
 ci.-st. cirro-stratus.
 cu. cumulus.
 cu.-f. cumulus form.
 cu.-st. cumulo-stratus.
 d. dew.
 f. fog.
 fr. frost.
 h.-fr. hoar-frost.
 h. haze.
 h. d. heavy dew.
 hl. hail.
 l. lightning.
 li. cl. light clouds.
 li. sh. light showers.
 lu. co. lunar corona.
 lu. ha. lunar halo.
 m. denotes meteor.
 ns. nimbus.
 n. rain.
 h. r. heavy rain.
 c. h. r. continued heavy rain.
 st. stratus.
 sc. scud.
 sl. sleet.
 s. snow.
 so. ha. solar halo.
 sq. squall.
 sqs. squalls.
 t. thunder.
 t. s. thunder storm.
 w. wind.
 g. gale of wind.
 n. d. not discernible.

Estimated Force, 0-6.	Common Designation.	Estimated Force, 0-6.	Common Designation.
0	Calm.	3	Very fresh.
0.5	Very light air.	4	Blowing hard.
1	Light air.	5	Blowing a gale.
1.5	Light breeze.	6	Violent gale.
2	Fresh breeze.		

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at LEITH, County of Edinburgh, in Lat. 55° 59' N., Long. 3° 10' W., during the MONTH of *August* 18*93*; Distance from Sea, Half-Mile.

The Hours of Observation are of Universal Time, same as Greenwich Mean Time.

NOTE.—All the 9 h. Barometric Observations in this Schedule, except those marked *X*, were made with a Kew Marine; all the 2 h. 0 m. Observations, and those marked *X*, with a Fortin Standard.

Days of Month.	BAROMETER, Corrected and Reduced to 32° and Sea Level.		SELF- REGISTERING THERMO- METERS. In Shade 4 feet above Grass.		HYGROMETER.				WIND.				RAIN.	CLOUDS.				SPECIAL REMARKS.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, &c.	Days of Month.
					Kew No.															
	9 h.	2 1/2 h. 0 m.	Max. Kew No.	Min. Kew No.																
	Inches.	Inches.	°	°	Dry bulb. °	Wet bulb. °	Dry bulb. °	Wet bulb. °	Direction	Force, 0—6.	Direction	Force, 0—6.		Amount in inches.	Velocity (0—6), and Direction.	Amount, (0—10), and Species.	Velocity (0—6), and Direction.			
1	29.886	29.506	63.0	50.8	55.5	51.1	55.8	54.6	W	1.5	Calu	0	0.05	14 NW	96u. Cir.	?	10 N.	Thermos read at 8h.	Fine; mostly cloudy; 1st. conv. r. aft. 19h. 15m.	1
2	29.743	29.708	68.1	53.5	57.5	55.1	55.9	53.1	W	2.0	WSE	0.5	0.3	1.5 NW	126u. Cir.	2 WSE	10.5 species?	Do. do.	Fine; sunny at times; li. sho. at 21h.	2
3	29.418	29.507	66.4	53.1	60.3	54.5	56.5	52.9	S	1.5	W	2.0	2.8	1.5 WSE	106u. Cir.	1.5 W	6 thin Cu.	Do. do.	Changeable; a brilliant sho.; sunny at times.	3
4	29.472	29.532	65.5	50.5	60.4	55.1	53.8	52.9	SW	2.0	NW	0.5	4.5	2 WSE	56u. Cir.	?	9 faint St. Cir.	Do. do.	Light heavy r. 13h. 14h. 15h. heavy sho. at intervals.	4
5	29.786	30.009	63.1	51.2	52.8	51.5	53.2	51.0	NW	1.0	E	0.5	1.3	1.5 NW	106u. Cir.	1.5 NNE	5 thin Cu.	Do. do.	Changeable; freq. heavy sho.; sunny intro. aft. 13h.	5
6	30.059	29.899	66.2	46.5	57.0	52.8	58.4	55.9	SE	1.5	SE	0.5	0.2	2 WSE	76u. Cu.	2 S	10 N.	Do. do.	Fine; mostly cloudy; r. after 20h.	6
7	29.824	29.954	72.9	54.0	58.0	57.0	61.4	58.9	N	0.5	W	0.5	2.3	?	10 species?	2 S	6 faint St.	Do. do.	R. previous night; day cloudy, with sunny intro.	7
8	30.047	30.121	70.2	56.9	62.7	60.8	61.7	59.9	Calu	0	Variable	0.5	0.3	2.5 SW	106u. Cir.	1.5 SW	106u. Cir.	Do. do.	Cloudy; sho. till 13h.; sunny intro. bet. 15h. 17h.	8
9	30.102	30.066	75.9	56.1	63.0	60.2	63.1	58.3	ENE	1.4	ESE	1.0	0.0	1 S	76u. Cir.	0	0	Do. do.	Morning h. d.; day fine, sunny.	9
10	29.990	29.980	68.2	56.8	58.7	57.9	61.6	60.4	ENE	1.4	ENE	2.0	1.8	2 S	10 thin Cu.	2.5 SE	10.5 species?	Do. do.	Light h. d.; followed by heavy r. after 12h.	10
11	29.993	29.954	65.2	58.0	60.9	59.4	62.7	61.2	NNE	0.5	NW	0.5	2.0	1.5 NW	10 thin Cu.	1.5 SW	106u. dispersing	Do. do.	Cloudy; break sho. bet. 14h. and 17h.	11
12	30.063	30.138	74.2	56.4	66.8	61.9	61.7	58.9	W	1.5	W	1.5	0.0	2 W	26u. Cir.	2 WSE	26u. Cir.	Do. do.	Morg. very h. d.; day fine, mostly sunny. — So. ha.	12
13	30.159	30.138	74.8	54.0	66.8	61.4	60.9	59.0	NW	0.5	Calu	0	0.0	2 W	26u. Cir.	0	0	Do. do.	Fine, sunny.	13
14	30.186	30.162	74.3	59.7	68.3	64.4	62.2	60.1	W	1.0	NW	0.5	0.0	0	0	1.5 WSE	2 thin Cu.	Do. do.	Morning h. d.; day fine, sunny.	14
15	30.132	30.054	83.5	58.9	73.8	68.3	71.4	66.9	W	1.0	W	0.5	0.0	2 W	6u. Cir.	2 WSE	56u. Cir.	Do. do.	Fine, sunny. — L. at 22h.	15
16	30.012	30.010	75.0	62.7	67.6	63.3	62.7	59.1	W	1.5	W	2.0	0.0	2 W	6u. Cir.	2 WSE	56u. Cir.	Do. do.	Fine; mostly sunny. — Part of So. ha. visible at 7h.	16
17	29.953	29.853	77.2	59.0	65.7	62.9	66.2	63.0	W	0.5	ENE	0.5	0.0	2 S	106u. Cir.	1.5 W	106u. Cir.	Do. do.	Fine; sunny at times.	17
18	29.651	29.693	77.5	58.9	66.7	63.9	63.7	59.9	W	1.0	W	1.0	0.0	2.4 S	76u. Cir.	2 S	8 faint Cu. Cir.	Do. do.	Fine; mostly sunny.	18
19	29.683	29.625	75.2	57.1	67.9	60.9	63.2	57.9	SW	1.0	S	2.5	0.0	1 S	26u. Cir.	2 S	56u. Cir.	Do. do.	Fine, sunny.	19
20	29.514	29.504	70.5	55.8	58.7	57.9	61.6	57.2	W. var.	0.5	S	1.0	4.6	0	0	n. d.	10.5 species?	Do. do.	Heavy r. at times bet. 3h. 5h.; day fine, mostly sunny.	20
21	29.172	29.294	65.8	57.1	60.0	55.5	59.5	54.8	SW	1.2	SW	3.0	4.3	2 WSE	126u. Cir.	0	0	Do. do.	Fine; heavy sho. till 8h. 10m.; mostly sunny after 8h.	21
22	29.529	29.654	65.6	54.5	62.9	55.6	55.8	52.9	WSE	3.0	WSE	2.0	2.4	2.5 WSE	36u. Cir.	0	0	Do. do.	Fine till 14h., then freq. break sho. till about 18h.	22
23	29.748	29.772	66.8	53.2	61.4	57.2	56.7	52.9	S	0.5	WSE	1.5	0.0	2.5 W	66u. Cir.	1.5 W	8 thin Cu.	Do. do.	Fine; sunny at times.	23
24	29.769	30.001	66.3	51.2	56.8	53.5	54.8	51.1	WSE	1.5	W	1.5	0.8	3 W	26u. Cir.	1.5 NW	2 St.	Do. do.	Shower till 8h., then fine; mostly sunny dur. afternoon.	24
25	30.132	30.212	66.2	51.5	60.5	54.5	56.3	52.1	W	1.0	W	1.5	0.0	2 W	56u. Cir.	1.5 W	2 St.	Do. do.	Fine, sunny; evening cloudy.	25
26	30.199	30.160	63.9	49.9	57.7	53.7	57.0	52.9	W	0.75	W	1.5	0.0	1 NW	96u. Cir.	n. d.	10 St.	Do. do.	Fine, cloudy; sunny intro. about 13h.	26
27	30.217	30.292	63.0	50.5	57.7	51.5	50.5	48.9	N	1.4	E	0.5	0.0	2 N	106u. Cir.	0	0	Do. do.	Fine; cloudy till abt. 13h., then sunny. — Part of So. ha.	27
28	30.342	30.325	70.4	43.9	56.0	51.9	59.7	56.2	WNW	0.75	W. var.	0.5	0.0	1.5 NW	66u. Cir.	1 N	5 thin Cu.	Do. do.	Fine; morn. h. d.; day sunny till abt. 15h., then cloudy.	28
29	30.318	30.251	74.2	51.6	61.2	55.5	60.2	55.1	W	1.5	W	1.5	0.0	1 W	96u. Cir.	1 NW	9 thin Cu.	Do. do.	Fine; mostly sunny.	29
30	30.136	30.034	71.8	53.3	61.8	56.7	59.7	55.9	W	0.5	WSE	2.0	0.0	1 W	56u. Cir.	1.5 NW	86u. Cir.	Do. do.	Fine, sunny.	30
31	29.972	29.980	59.7	57.9	53.8	52.9	51.9	51.2	E	1.5	E	0.5	1.2	1 E	10 N.	n. d.	10 N.	Do. do.	Cloudy; showery.	31
Sums.	927.207	927.688	2160.616	785.189	917.838	839.817	845.1						34.5	2.93	702		194			
"Corrected Means."	29.910	29.925	69.7	54.1	61.3	57.5	59.0	56.3					1.12	2.93	6.5		6.3			
No. of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			

BAROMETER, "corrected Mean" = 29.910
at 9 h.

"Corrected Mean" at 2 h. 0 m. ... = 29.925

Mean, reduced to 32°, and Sea-level, = 29.917

Highest corrected Reading at 8h. ... = 30.349
Universal Time, on the 28th.Lowest corrected Reading at 8h. ... = 29.123
Universal Time, on the 21st.

Difference, or Monthly Range, = 1.226

S. - R. THERMOMETERS
(in shade, &c.) = 83° 5
Highest in Month (corrected for Index Errors) on the 15th.

Lowest in Month, (corrected for Index Errors), on the 28th. = 43° 9

Difference, or Monthly Range, = 39° 6

"Corrected Mean" of all the Highest, (Col. 3), = 69° 7

"Corrected Mean" of all the Lowest, (Col. 4), = 54° 1

Difference, or Mean Daily Range, = 15° 6

Calculated Mean Temperature of Month, = 61° 9

HYGROMETER, "Corrected Mean" of 9 h. and 21 h. Reading of Dry Bulb (Cols. 5 and 7), = 60° 2
"Corrected Mean" of 9 h. and 21 h. Reading of Wet Bulb (Cols. 6 and 8), = 56° 9

†† Computed Temperature of Dew-Point, = 54° 0

†† Do. Elastic Force of Vapour, ... = 0.418

†† Relative Humidity (Saturation = 100), = 80

RAIN fell on 15 Days; Amount, = 2.93 Inches.

WIND.		SUMMARY.						
Direction	N	NE	E	SE	S	SW	W	NW
9 h.	2	1	3	1	2	3	16	2
21 h.	2	6	1	2	1	15	1	3
Mean.	2	1	4	1	2	15	2	2

NOTATION USED IN GENERAL REMARKS.

a.	denotes aurora.	m.	denotes meteor.
ci.	cirrus.	ms.	meteors.
ci-cu.	cirro-cumulus.	n.	nimbus.
ci-st.	cirro-stratus.	r.	rain.
cu.	cumulus.	h. r.	heavy rain.
cu-f.	cumulo-form.	c. h. r.	continued heavy rain.
cu-st.	cumulo-stratus.	st.	stratus.
d.	dew.	sc.	scud.
f.	fog.	sl.	sleet.
fr.	frost.	s.	snow.
h-fr.	hoar-frost.	so. ha.	solar halo.
h.	haze.	sq.	squall.
h. d.	heavy dew.	sgs.	squalls.
hl.	hail.	t.	thunder.
l.	lightning.	t. s.	thunder storm.
li. cl.	light clouds.	w.	wind.
li. sh.	light showers.	g.	gale of wind.
lu. co.	lunar corona.	n. d.	not discernible.
lu. ha.	lunar halo.		

TABLE FOR ESTIMATING FORCE OF WIND.

Estimated Force, 0—6.	Common Designation.	Estimated Force, 0—6.	Common Designation.
0	Calm.	3	Very fresh.
0.5	Very light air.	4	Blowing hard.
1	Light air.	5	Blowing a gale.
1.5	Light breeze.	6	Violent gale.
2	Fresh breeze.		

* Where an asterisk appears in Columns 3 and 4, the Highest Temperatures for the 24 hours (preceding 21 h.) were registered during the Night, and the Lowest Temperatures during the Day.

†† These Hygrometrical Deductions are calculated from Glaisher's Hygrometrical Tables, Sixth Edition.

Observations made and Return verified by

(Signed)

James Bolam & George Redpath.

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at LEITH, County of Edinburgh, in Lat. 55° 59' N., Long. 3° 10' W., during the MONTH of *September* 18*93*; Distance from Sea, Half-Mile.

The Hours of Observation are of Universal Time, same as Greenwich Mean Time.

NOTE.—All the 9 h. Barometric Observations in this Schedule, except those marked *X*, were made with a Kew Marine; all the 2*h*. *D* m. Observations, and those marked *X*, with a Fortin Standard.

Days of Month.	BAROMETER, Corrected and Reduced to 32° and Sea Level.		SELF- REGISTERING THERMO- METERS, In Shade 4 feet above Grass.		HYGROMETER.				WIND.				RAIN.	CLOUDS.					SPECIAL REMARKS.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, &c.	Days of Month.
	9 h.	2 h. 0 m.	Max. Kew No.	Min. Kew No.	Kew No.				9 h.		21 h.			9 h.		21 h.					
					Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	Direction	Force, 0—6.	Direction	Force, 0—6.		Amount in inches.	9 h.		21 h.				
															Velocity (0—6), and Direction.	Amount, (0—10), and Species.	Velocity (0—6), and Direction.	Amount, (0—10), and Species.			
Inches.	Inches.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	29.950	29.961	63.3	51.0	60.5	58.8	59.7	56.9	W	1.0	W	2.0	0.16	1W	10W	n.d.	5St.	Clear; fog sho.; drizz. to mod. r. bet. 10h. and 11h.	1		
2	30.072	30.213	72.2	56.6	63.9	58.9	57.8	55.9	W	1.5	ENE	0.5	.00	1.5W	9W	11W	7St.	Fine; mostly sunny.	2		
3	30.279	30.236	61.3	52.8	58.7	55.3	54.8	53.2	SE	0.25	W	0.25	.00	1W	10W	n.d.	1St.	Fine, cloudy; sunny inters. after 15h.	3		
4	30.172	30.047	72.5	50.6	58.5	56.7	59.1	57.5	W	1.0	W	0.5	.00	1W	10W	0	0	Fine, sunny; rather hazy.	4		
5	29.935	29.771	70.2	50.8	61.9	57.7	60.7	56.9	W	1.0	W	2.0	.00	2.5W	7W	n.d.	10St.	Fine, sunny at times; mostly cloudy aft. 15h. - So. h. at 10h.	5		
6	29.700	29.582	65.7	52.9	59.2	55.9	54.9	52.9	W	2.0	SW	0.5	.074	1.3W	7W	n.d.	10, species?	Fine; mostly cloudy; sho. after 19h.	6		
7	29.521	29.572	66.9	53.8	58.5	57.2	56.9	54.0	W	2.4	W	2.5	.10	2.4W	7W	0	0	Sho. till 5h.; day fine, sunny at times.	7		
8	29.510	29.732	63.7	50.9	57.4	53.2	51.8	47.2	W	2.0	W	2.0	.12	2.5W	4W	2W	3St.	Cloudy with sunny inters.; sho. fr. night till 10h. & 11h.	8		
9	29.862	29.954	58.7	44.0	51.2	46.9	49.1	44.1	W	1.4	W	2.2	.07	2W	8W	?	4St.	Fine; mostly sunny; li. sho. bet. 9h. and 11h.	9		
10	30.109	30.210	57.9	41.7	51.4	46.2	44.9	42.8	W	0.5	Variable	0.25	.00	0	0	0	0	Fine, sunny; very clear.	10		
11	30.302	30.316	61.0	38.0	52.6	47.9	50.8	46.9	W	1.4	W	1.0	.00	?	0	?	?	Fine, sunny; rather hazy.	11		
12	30.295	30.155	63.0	39.1	54.9	49.0	55.1	50.1	W	2.2	SW	2.5	.00	2.5W	6W	0	0	Fine; sunny till about 16h., then cloudy.	12		
13	29.839	29.927	64.8	54.2	60.7	56.9	57.3	54.9	W	3.3	SW	1.5	.00	3.5W	10W	n.d.	7St.	Cloudy; equally; a few dr. sho.; sunny inters. aft. 16h.	13		
14	30.053	30.053	67.4	55.8	61.2	59.0	61.0	56.9	W	1.2	W	1.5	.00	2.4W	10W	0	0	Fine, cloudy; sunny inters. after 14h.	14		
15	29.886	29.845	65.0	55.6	63.2	59.1	55.8	52.9	W	3.3	SW	2.4	.00	3.5W	10W	0	0	Cloudy; equally at times; sunny inters. dur. aft. noon.	15		
16	29.836	29.805	64.1	50.8	56.8	52.9	50.8	48.0	W	1.5	W	1.5	.00	2W	2W	0	0	Fine; sunny at times.	16		
17	29.680	29.571	59.0	47.8	53.8	50.3	56.0	54.0	W	1.4	W	2.4	.07	1.5W	10St.	?	2St.	Cloudy; occas. sunshine; sho. at 10h.	17		
18	29.454	29.259	62.0	53.7	57.6	55.5	57.0	54.1	W	2.4	SW	2.5	.02	2.4W	10St.	?	10, species?	Mostly cloudy; occas. sunshine; a few dr. sho.	18		
19	29.124	29.142	60.0	47.4	55.9	50.2	47.8	44.0	W	2.2	SW	2.5	.06	2W	6W	0	0	Changeable; showy; heavy passing clouds at times.	19		
20	29.271	29.387	57.7	43.8	49.0	45.3	46.0	43.2	W	2.0	SW	0.25	.00	1W	7St.	n.d.	6St.	Fine; mostly sunny. - Solar halo at noon.	20		
21	29.415	29.476	52.7	40.5	46.9	44.1	43.3	41.3	W	1.4	W	1.5	.09	1W	10St.	0	0	Cloudy with sunny inters. at alt. noon; brk. sho. bet.	21		
22	29.565	29.468	52.9	42.9	48.2	43.9	43.9	41.1	W	2.4	W	2.5	.03	2W	7W	2W	10St.	Cloudy; fine.	22		
23	29.428	29.626	49.0	36.8	40.9	37.1	45.7	41.1	W	2.0	W	2.5	.09	?	10, species?	2W	7W	Cloudy with short sunny inters.; r. sho. bet. 10h. & 11h. and 12h.	23		
24	29.897	29.724	51.0	40.0	46.7	42.9	50.0	48.1	W	2.0	W	2.5	.03	2W	9W	3W	1St.	Cloudy; sho. after 17h. 15m.	24		
25	29.948	29.974	53.0	42.8	48.8	43.0	44.3	40.5	W	1.4	E	0.5	.00	0	0	n.d.	10St.	Fine; mostly sunny; evening cloudy.	25		
26	29.875	29.816	48.0	41.7	45.9	44.2	47.1	45.8	ENE	1.4	E	1.5	.07	2E	10W	2W	10W	Cloudy; sho. till 8h. 45m.	26		
27	29.688	29.652	55.9	46.9	49.8	48.9	48.8	46.3	Calms	0	W	2.0	.12	n.d.	10St.	n.d.	10St.	Cloudy; li. to brk. sho. bet. 8h. & 11h.; thick r. at times.	27		
28	29.389	29.158	64.1	47.8	55.9	51.9	52.0	49.9	SW	2.5	SW	1.0	.13	2W	8W	n.d.	10St.	Cloudy with sunny inters.; fog sho. dur. forenoon & h. r. at 14h. & 15h. - Sun. h. at 16h. & 17h.	28		
29	28.876	28.954	60.0	47.6	51.0	48.9	51.1	47.9	SW	3.0	SW	2.3	.58	2W	10W	0	0	Changeable; fog heavy sho. till 9h., bright sunshine at times.	29		
30	29.006	29.188	58.2	46.7	53.0	48.2	50.4	47.9	SW	2.4	SW	2.2	.09	0	0	0	0	Changeable; mostly sunny dur. forenoon; fog brk. r. sho. aft. 12h. & 13h.	30		
Sums.	891.957	891.774	1821.2	1425.0	1634.0	1526.0	1563.9	1476.3	53°	16.1			1.75	184		105					
Corrected Means.	29.732	29.726	60.7	47.5	54.5	50.9	52.1	49.2	1.77	15.4			1.75	6.1		3.5					
No. of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				

BAROMETER, "corrected Mean" = 29.732
at 9 h."Corrected Mean" at 2*h*. *D* m. ... = 29.726

Mean, reduced to 32°, and Sea-level, = 29.729

Highest corrected Reading at 2*h*. ... = 30.316
Universal Time, on the 11th.Lowest corrected Reading at 9*h*. ... = 28.876
Universal Time, on the 29th.

Difference, or Monthly Range, = 1.440

S. - R. THERMOMETERS

(in shade, &c.)

Highest in Month (corrected for Index Errors) on the 14th. = 72.5

Lowest in Month, (corrected for Index Errors), on the 23rd. = 36.8

Difference, or Monthly Range, = 35.7

"Corrected Mean" of all the Highest, (Col. 3), = 60.7

"Corrected Mean" of all the Lowest, (Col. 4), = 47.5

Difference, or Mean Daily Range, = 13.2

Calculated Mean Temperature of Month, = 54.1

HYGROMETER, "Corrected

Mean" of 9 h. and 21 h.

Reading of Dry Bulb (Cols. 5 and 7), = 53.3

"Corrected Mean" of 9 h. and 21 h. Reading of Wet Bulb (Cols. 6 and 8), = 50.0

Computed Temperature of Dew-Point, = 46.7

Do. Elastic Force of Vapour, ... = 0.318

Relative Humidity (Saturation = 100), = 78

RAIN fell on 17 Days; Amount, = 1.75 Inches.

WIND.	SUMMARY.									
	N	NE	E	SE	S	SW	W	NW	Calms or Variable.	Mean Force.
9 h.	1		1	1	2	3	18	3	1	
21 h.	2		3		1	4	19		1	
Mean.	20	2	1	2	3	18	1		272	

NOTATION USED IN GENERAL REMARKS.

a.	denotes aurora.	m.	denotes meteor.
ci.	cirrus.	ms.	meteors.
ci-cu.	cirro-cumulus.	n.	nimbus.
ci-st.	cirro-stratus.	r.	rain.
cu.	cumulus.	h. r.	heavy rain.
cu-f.	cumulus-form.	c. h. r.	continued heavy rain.
cu-st.	cumulo-stratus.	st.	stratus.
d.	devis.	sc.	scud.
f.	fog.	sl.	sleet.
fr.	frost.	s.	snow.
h. fr.	hoar-frost.	so. ha.	solar halo.
h.	haze.	sq.	squall.
h. d.	heavy dew.	sq.s.	squalls.
h.	hail.	t.	thunder.
l.	lightning.	t. s.	thunder storm.
li. cl.	light clouds.	w.	wind.
li. sh.	light showers.	g.	gale of wind.
lu. co.	lunar corona.	n. d.	not discernible.
lu. ha.	lunar halo.		

TABLE FOR ESTIMATING FORCE OF WIND.

Estimated Force, 0—6.	Common Designation.	Estimated Force, 0—6.	Common Designation.
0	Calms.	3	Very fresh.
0.5	Very light air.	4	Blowing hard.
1	Light air.	5	Blowing a gale.
1.5	Light breeze.	6	Violent gale.
2	Fresh breeze.		

Wind 2.72

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at LEITH, County of Edinburgh, in Lat. 55° 59' N., Long. 3° 10' W., during the MONTH of *October* 18*93*; Distance from Sea, Half-Mile.

The Hours of Observation are of Universal Time, same as Greenwich Mean Time.

NOTE.—All the 9 h. Barometric Observations in this Schedule, except those marked ✕, were made with a Kew Marine; all the 21 h. 0 m. Observations, and those marked ✕, with a Fortin Standard.

Days of Month.	BAROMETER, Corrected and Reduced to 32° and Sea Level.		SELF- REGISTERING THERMO- METERS, In Shade 4 feet above Grass.		HYGROMETER.				WIND.				RAIN. Amount in inches.	CLOUDS.				SPECIAL REMARKS.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, &c.	Days of Month.
	9 h.	21 h. 0 m.	Max. Kew No.	Min. Kew No.	9 h.		21 h.		9 h.		21 h.			9 h.		21 h.				
	Inches.	Inches.			Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	Direction	Force, 0—6.	Direction	Force, 0—6.		Velocity (0—6), and Direction.	Amount, (0—10), and Species.	Velocity (0—6), and Direction.	Amount, (0—10), and Species.			
1 ✕	29.412	29.542	59.0	47.8	53.5	49.4	49.8	46.9	SW	2.25	W	1.5	0.01	1.5 W.	7.6i-st.	?	3 St.	Fine, except sho. bet. 12.5h. & 1.3h.; mostly sunny.	1	
2	29.458	29.274	59.0	45.9	52.8	49.9	46.5	44.3	SW	0.5	SE	0.5	.00	2 SW	8 thin cu.	0	0	Fine; sunny at times. — L. at 19.4h. & 21h.	2	
3	29.209	29.082	58.3	43.9	47.8	44.5	43.9	42.0	W	1.5	SE	0.5	.05	1.5 S	16 cu. cir.	?	3 St.	Fine, mostly sunny; sh. sho. bet. 17h. & 18h.	3	
4	28.983	29.015	51.0	37.7	43.7	42.0	42.9	41.0	E	0.5	W	1.0	.00	0.5 E	7 sh. cir.	0	0	Cloudy, with short inters. of sunshine.	4	
5	29.079	29.178	54.1	38.1	46.7	42.9	47.2	45.0	W	1.34	SW	2.0	.00	0	0	0	0	Fine, sunny. — L. seen between 20h. & 21h.	5	
6	29.265	29.478	56.1	44.0	49.9	47.3	48.8	46.5	W	2.0	W	1.5	.00	1.5 W	16 cu. cir.	0	0	Fine; mostly sunny; pas. sh. at 16.34h.	6	
7	29.578	29.635	56.6	43.9	51.8	49.3	43.9	43.0	W	0.5	Calu	0	.00	0	0	n.d. : 4 faint str.		Fine; mostly sunny.	7	
8 ✕	29.529	29.731	53.0	43.4	50.7	50.1	45.9	44.0	E	1.5	W	1.5	.96	3 E (E. sea: 10 str. cu. 1.5 (amt. 2) cir. form)	0	0	Cloudy; h. r. prev. night; sh. bet. 8h. & 10.4h.; cloudless	8		
9	29.831	29.729	52.3	38.7	48.7	46.0	46.9	46.1	SE	1.5	SE	0.5	.00	1.5 S: 7 thin cu.	0	0	Cloudy; fine.	9		
10	29.626	29.696	53.0	42.6	47.5	44.9	44.0	41.0	W	2.5	SE	1.5	.00	0	0	0	0	Fine, sunny.	10	
11	29.574	29.695	53.9	41.6	49.0	44.3	44.9	42.2	SW	3.0	W	2.25	.00	0	0	0	0	Fine; mostly sunny; sh. sho. abt. 13.4h. & 15.2h.	11	
12	29.832	29.923	54.0	43.8	47.7	43.1	45.9	42.2	W	3.35	W	2.3	.00	1.5 W	1 sh. cir.	0	0	Fine, sunny; equally at times.	12	
13	30.028	29.772	53.4	41.9	46.3	42.8	47.6	46.9	W	2.0	E	1.0	.15	1 W	10 str. cu.	?	10 species?	Fine, sunny till abt. 14h., then cloudy; nearly const. v.	13	
14	29.560	29.674	60.8	46.9	56.8	56.1	57.8	56.0	W	0.25	W	1.0	.23	?	10 species?	n.d. : 10 str. cu.		Cloudy; v. till 10h.; short sunny inters. abt. noon.	14	
15 ✕	29.636	29.644	63.3	56.1	60.0	58.4	59.1	57.3	W	2.0	W	0.25	.22	2 W	10 thin cu.	n.d.	10 St.	Cloudy; v. dur. prev. night; black sh. bet. 14h. & 15h.	15	
16	29.607	29.791	61.8	52.4	60.5	56.3	52.8	49.9	W	3.35	W	3.0	.00	3 W	7 cu.	0	0	Therm. read at 21.2h.	16	
17	29.941	30.024	58.0	48.9	51.8	48.7	50.8	47.7	W	2.5	W	0.5	.00	0	0	n.d.	9 St.	Fine; mostly sunny; evening cloudy.	17	
18	30.109	30.167	56.9	41.9	48.6	46.0	52.1	50.7	W	2.0	W	1.5	.00	1 W	7 thin cu.	n.d.	10 St.	Fine; sunny at times.	18	
19	30.231	30.310	58.0	50.8	53.9	50.9	52.8	50.4	W	2.0	W	1.0	.00	1.5 W	7 thin cu.	?	9 sh. cu.	Cloudy; fine.	19	
20	30.192	30.070	60.7	50.3	52.8	48.9	59.7	56.6	S	1.4	SW	2.0	.00	1.5 W	10 St.	n.d.	10 str. cu.	Cloudy; a few very slight sh.	20	
21	29.945	30.053	63.0	48.5	60.7	57.3	48.9	45.3	W	2.0	W	2.4	.01	2.4 W	10 str. cu.	0	0	Cloudy; eqly bet. 3h. & 6h.; sh. abt. 19.5h.	21	
22 ✕	30.077	30.159	54.8	44.9	50.5	47.0	48.9	45.5	W	2.0	W	2.0	.00	2 W	6 thin cu.	0	0	Fine; mostly sunny.	22	
23	30.389	30.281	53.7	44.1	47.1	44.1	51.1	47.9	W	1.4	SW	2.24	.00	0	0	2 SW	10 St.	Fine; sunny till abt. 14h., then cloudy.	23	
24	30.111	29.874	56.5	49.9	53.6	51.0	54.8	51.3	W	2.25	SW	2.535	.00	2.5 W. Amt? 6 cu. cir. 2 W. 7 cu. 2 W. 7 cu.	2 W. 7 cu. 2 W. 7 cu. 2 W. 7 cu.	3 St. 1 So.		Fine, cloudy; w. qly. — Partly cu. h. at 21h.	24	
25	29.554	29.505	56.0	39.9	50.0	48.4	39.9	39.0	W	2.0	W	2.25	.50	2 W	10 species?	2 SW	10 So. & 1 W.	Cloudy; strong sh. bet. 2h. & 5h.; const. v. bet. 6h. & 14h., and	25	
26	29.485	29.583	45.0	37.9	41.3	38.4	39.9	37.3	W	2.5	W	2.0	.31	2 W	16 cu.	0	0	Heavy shadow. prev. night; day fine, mostly sunny.	26	
27	29.783	29.682	51.5	39.0	44.9	42.0	50.9	48.8	W	2.0	W	2.3	.01	1.5 W	7 cu. cir.	3.5 W	2 cu. (amt.)	Fine, cloudy. — Sh. h. at 21h.	27	
28	29.402	29.494	56.8	43.9	53.8	50.1	44.9	41.0	W	3.35	W	2.25	.00	3 W	2 cu. 2 W. 2 cu.	0	0	Fine; mostly sunny, squally. — So. h. at 9h.	28	
29 ✕	29.474	29.708	45.0	38.0	39.9	37.7	38.3	36.1	W	2.25	W	1.5	.07	2.4 W	16 cu. 2 W	1 St.		Mostly fine; a few li. sh.	29	
30	29.908	30.080	43.8	33.1	36.9	33.5	38.8	34.7	W	1.5	W	1.2	.00	0	0	0	0	Morning, thick h. fr.; day fine, sunny.	30	
31	30.185	29.958	41.7	31.9	34.7	31.9	40.5	35.3	W	1.5	SW	2.5	.00	0	0	n.d.	10 str. cu.	Fine; sunny till about 13.2h., then cloudy.	31	
Sums.	920.994	924.807	1698.0	1357.7	1533.9	1443.2	1480.2	1407.9	53.3		43.3	2.46			144		113			
"Corrected Means."	29.709	29.736	54.8	43.6	49.5	46.6	47.4	45.2	1.73		1.40	2.46			4.6		3.6			
No. of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			

BAROMETER, "corrected Mean" = 29.709
at 9 h."Corrected Mean" at 21 h. 0 m. ... = 29.736
29.736

Mean, reduced to 32°, and Sea-level, = 29.722

Highest corrected Reading at 21 h. ... = 30.396
Universal Time, on the 23rd.Lowest corrected Reading at 15 h. ... = 28.971
Universal Time, on the 4th.

Difference, or Monthly Range, = 1.425

S. - R. THERMOMETERS

(in shade, &c.)

Highest in Month (corrected for Index Errors) on the 15th. = 63.3

Lowest in Month, (corrected for Index Errors), on the 31st. = 31.9

Difference, or Monthly Range, = 31.4

"Corrected Mean" of all the Highest, (Col. 3), = 54.8

"Corrected Mean" of all the Lowest, (Col. 4), = 43.6

Difference, or Mean Daily Range, = 11.2

Calculated Mean Temperature of Month, = 49.2

HYGROMETER.

"Corrected Mean" of 9 h. and 21 h. Reading of Dry Bulb (Cols. 5 and 7), = 48.4

"Corrected Mean" of 9 h. and 21 h. Reading of Wet Bulb (Cols. 6 and 8), = 45.9

†† Computed Temperature of Dew-Point, = 43.2

†† Do. Elastic Force of Vapour, ... = 0.280

†† Relative Humidity (Saturation = 100), = 83

RAIN fell on 11 Days; Amount, = 2.46 Inches.

WIND.	SUMMARY.										Mean Force.	Mean Velocity in miles per day.
	N	NE	E	SE	S	SW	W	NW	Calm or Variable.			
9 h.											1.73	
21 h.											1.40	
Mean.	50	2	2	2	7	17	1				1.56	

NOTATION USED IN GENERAL REMARKS.

a.	denotes aurora.	m.	denotes meteor.
ci.	cirrus.	ms.	meteors.
ci.-cu.	cirro-cumulus.	n.	nimbus.
ci.-st.	cirro-stratus.	r.	rain.
cu.	cumulus.	h. r.	heavy rain.
cu.-f.	cumulus-form.	c. h. r.	continued heavy rain.
cu.-st.	cumulo-stratus.	st.	stratus.
d.	dew.	sc.	scud.
f.	fog.	sl.	sleet.
fr.	frost.	s.	snow.
h.-fr.	hoar-frost.	so. ha.	solar halo.
h.	haze.	sq.	squall.
h. d.	heavy dew.	sq.	squalls.
h. l.	hail.	t.	thunder.
l.	lightning.	t. s.	thunder storm.
li. cl.	light clouds.	w.	wind.
li. sh.	light showers.	g.	gale of wind.
lu. co.	lunar corona.	n. d.	not discernible.
lu. ha.	lunar halo.		

TABLE FOR ESTIMATING FORCE OF WIND.

Estimated Force, 0—6.	Common Designation.	Estimated Force, 0—6.	Common Designation.
0	Calm.	3	Very fresh.
0.5	Very light air.	4	Blowing hard.
1	Light air.	5	Blowing a gale.
1.5	Light breeze.	6	Violent gale.
2	Fresh breeze.		

* Where an asterisk appears in Columns 3 and 4, the Highest Temperatures for the 24 hours (preceding 21 h.) were registered during the Night, and the Lowest Temperatures during the Day.

†† These Hygrometrical Deductions are calculated from Glaisher's Hygrometrical Tables, Sixth Edition.

Observations made and Return verified by

(Signed)

James Boland & George Redpath.

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at LEITH, County of Edinburgh, in Lat. 55° 59' N., Long. 3° 10' W., during the MONTH of *November* 18*93*; Distance from Sea, Half-Mile.
The Hours of Observation are of Universal Time, same as Greenwich Mean Time.

NOTE.—All the 9 h. Barometric Observations in this Schedule, except those marked *X*, were made with a Kew Marine; all the 21 h. 0 m. Observations, and those marked *X*, with a Fortin Standard.

Days of Month.	BAROMETER, Corrected and Reduced to 32° and Sea Level.		SELF-REGISTERING THERMO-METERS, In Shade 4 feet above Grass.		HYGROMETER.				WIND.				RAIN.	CLOUDS.				SPECIAL REMARKS.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, &c.	Days of Month.	
	9 h.	21 h. 0 m.	Max. Kew No.	Min. Kew No.	9 h.		21 h.		9 h.		21 h.			9 h.		21 h.					
	Inches.	Inches.	°	°	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	Direction.	Force, 0-6.	Direction.	Force, 0-6.		Amount in inches.	Velocity (0-6), and Direction.	Amount, (0-10), and Species.	Velocity (0-6), and Direction.				Amount, (0-10), and Species.
1	29.486	29.516	46.9	39.9	45.0	43.0	40.9	38.0	W. S.W.	2.0	W.	2-3	0.12	2 W.	10 Cu.	0	0	Thermos. read at 8 h.	Heavy sps. bet. 2 1/2 h. & 4 1/2 h.; day changeable, showery.	1	
2	29.476	29.696	46.3	38.1	40.3	38.8	40.9	38.0	W. S.W.	1 1/4	W.	1 1/2	.00	2 W.	3 thin Cu.	n.d.	3 faint St.	Do. do.	Fine; mostly sunny.	2	
3	29.707	29.512	43.6	39.9	43.2	41.8	40.9	40.7	W. S.W.	0.5	W.	1 1/2	.52	2 W. oc.	10 W.	n.d.	10 W.	Do. do.	Overcast; rain.	3	
4	29.964	30.031	41.7	34.1	37.1	33.9	35.7	31.3	W. N.W.	2.0	W. S.W.	1.5	.34	2 W. N.W.	2 Cu.	0	0	Do. do.	Heavy r. at times from night; day fine, mostly sunny.	4	
5	29.711	29.992	42.4	34.9	37.6	35.3	36.9	34.0	W. S.W.	2.0	W.	2.0	.09	1.5 W.	1 (low) Cu.	0	0	Do. do.	Fine, except break r. sho. bet. 6 h. & 7 h., & electy r. at 13 h. 7 m.	5	
6	30.234	30.373	43.0	34.9	37.0	34.0	38.9	35.1	W.	1 3/4	W.	2.0	.00	0	0	0	0	Do. do.	Fine, sunny. - O. at 21 h.	6	
7	30.458	30.490	42.0	37.4	40.0	37.1	40.9	37.0	W.	2.0	W.	1.0	.00	1.5 E.	10 Cu. - Cir.	n.d.	10 St.	Do. do.	Cloudy; fine.	7	
8	30.463	30.510	45.0	37.9	40.9	38.1	42.3	40.0	W. N.W.	1.0	W.	2.0	.00	2 Ely.	10 stratiform	n.d.	9 St. - Sky clearing.	Do. do.	Cloudy; a few very sl. sho.	8	
9	30.542	30.519	45.0	39.7	41.9	40.6	45.0	41.4	W. N.E.	2.0	E. N.E.	2.0	.00	2.5 W. E.	10 thin Cu.	n.d.	10 St.	Do. do.	Cloudy; frequent sl. drizz. sho.	9	
10	30.509	30.508	45.0	41.3	41.9	39.8	44.9	42.4	W. N.E.	2.0	E. N.E.	0.5	.00	2 W. E.	10 Cu.	n.d.	10 St.	Do. do.	Cloudy.	10	
11	30.544	30.528	46.1	39.0	42.4	40.0	44.1	44.0	W. W.	1 3/4	W. E.	2 1/4	.04	2 W. N.E.	10 Cu.	n.d.	10 species?	Do. do.	Overcast, drizz. r. after 14 1/2 h.	11	
12	30.506	30.410	45.0	42.6	44.1	41.4	42.9	40.9	E.	1 1/4	E.	1.0	.03	2 E.	10 Cu.	n.d.	10 St.	Do. do.	Cloudy; fine.	12	
13	30.236	30.012	45.8	34.5	41.9	40.0	39.2	38.5	E. S.E.	1.5	S.E.	0.5	.00	3 S.S.E.	9 Cu.	n.d.	1 St.	Thermos. read at 10 h. 30 m.	Fine; mostly sunny.	13	
14	29.833	29.822	42.4	35.2	38.9	37.1	40.9	38.0	W. S.W.	1.0	W.	0.25	.00	1 W. Ely.	10 Cu.	n.d.	1 faint St.	Thermos. read at 8 h.	Cloudy; hazy.	14	
15	29.898	29.975	43.4	36.0	39.6	36.8	39.5	39.0	W.	0.5	S. var.	0.25	.02	1.5 W. N.E.	10 thin Cu.	n.d.	7 St.	Do. do.	Cloudy; thick at times; drizz. sho. bet. 11 h. & 12 1/2 h.	15	
16	29.824	29.338	45.0	37.6	41.0	38.0	45.0	42.2	S.S.E.	1.0	S.	1-2.5	.00	1.5 W. (4.2) Cu. - Cir. } 2.5 : 6 Cu. }	n.d.	10 St. form.	Do. do.	Cloudy; fine.	Do. do.	Cloudy; fine.	16
17	28.547	28.880	54.0	41.9	51.3	49.7	44.9	40.0	S.E.	2.0	W. S.W.	2.5	.07	2.5 S.	10 Cu.	n.d.	10 St. form.	Do. do.	Cloudy; showery bet. 11 h. and 13 h.	17	
18	29.538	29.846	44.9	37.2	38.2	34.0	31.2	28.6	W. N.W.	3.5	W. N.W.	3.5	.04	2.5 W.	10 Cu.	0	0	Do. do.	Strong N.W. gale, with violent sps. till 6 1/2 h.; day equally	18	
19	30.018	30.234	38.0	30.3	33.9	30.0	38.0	34.9	W. N.W.	2.5	W. N.E.	2.5	.00	2.5 W. by E.	3 Cu.	n.d.	10 St.	Do. do.	Fine, sunny till abt. 11 1/2 h., then cloudy; sl. s. at intro. aft.	19	
20	30.406	30.533	40.0	37.3	38.3	35.3	39.6	36.3	W. N.E.	2.2 1/4	W.	2.0	.00	2 W. E.	9 Cu.	1.5 W. E.	10 thin Cu.	Thermos. read at 8 h.	Fine; sunny at times.	20	
21	30.547	30.232	43.4	31.9	33.7	31.3	42.9	41.0	W.	1.0	W. S.W.	2.5	.00	0	0	3 W. E.	2 Cu. - Cir. var.	Do. do.	Fine; hazy.	21	
22	29.969	30.141	45.0	33.2	39.3	37.2	33.2	29.0	W.	2.0	W. N.	2.5	.12	1.4 W. N.W.	7 Cu.	2 W. N.W.	7 Cu.	Do. do.	Equally, showery till aft. 7 h.; day fine, sunny.	22	
23	30.236	30.044	40.9	30.8	35.2	32.0	40.9	39.2	W.	2.5	W. S.W.	1-2.	.00	2 W.	8 Cu. - Cir.	2 W. E.	9.5 thin Cu.	Do. do.	Fine; cloudy after 14 h.	23	
24	29.962	29.687	48.3	40.3	45.1	41.5	48.3	46.4	W. S.W.	2.0	W. S.W.	2.5	.00	0	0	2.5 W.	16 Cu.	Do. do.	Fine, cloudy. - So. ha. at noon.	24	
25	29.512	29.282	52.0	45.6	47.8	46.2	46.1	45.0	W. S.W.	2 1/4	W. S.W.	2.0	.07	2 W.	10 W.	1 W. N.W.	4 St. - Cir.	Do. do.	Cloudy; r. between 7 h. and 10 h.	25	
26	29.742	30.136	46.9	33.7	36.9	33.0	33.9	30.0	W. N.W.	2-3	W.	1.0	.04	2.5 W.	16 Cu.	2 W. N.W.	7.6 Cu.	Do. do.	Fine, sunny; very clear.	26	
27	30.075	29.892	52.2	32.9	39.5	38.1	52.2	49.9	W.	1.5	W. S.W.	2.5	.01	2 W. Ely.	10 St. - Cir.	n.d.	10 stratiform	Thermos. read at 8 h.	Cloudy; equally with drizz. sho. aft. 17 h.	27	
28	29.933	29.908	55.8	51.8	53.9	51.8	54.2	51.9	W. S.W.	2.5	W. S.W.	2.5	.00	2 1/4 W.	9 Cu.	3.5 W. E.	10 species?	Do. do.	Cloudy; a few sl. sho.; equally at times.	28	
29	29.772	29.577	54.2	51.8	52.6	48.9	52.9	49.5	W. S.W.	2.5	W. S.W.	3.5	.00	2.5 W. S.W.	10 Cu.	3 W.	10 (prot.) Cu.	Do. do.	Cloudy; very equally.	29	
30	29.682	29.811	52.9	34.9	43.9	41.0	34.9	32.0	W. S.W.	2.0	W. E.	1.0	.02	2.5 W.	7 faint St.	0	0	Do. do.	Fine, sunny at times. - So. ha. at noon.	30	
Sums.	899.330	899.435	1376.8	1130.6	1242.4	1165.7	1252.1	1174.2		54.7		53.0	1.53			230		179			
Corrected Means.	29.978	29.981	45.9	37.7	41.4	38.9	41.7	39.1		1.60		1.77	1.53			7.7		6.0			
No. of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				

BAROMETER, "corrected Mean" } = 29.978
at 9 h.
"Corrected Mean" at 21 h. 0 m. ... = 29.981
Mean, reduced to 32°, and Sea-level, = 29.979
Highest corrected Reading at 11 h. ... } = 30.558
Universal Time, on the 14th ...
Lowest corrected Reading at 11 h. ... } = 28.501
Universal Time, on the 17th ...
Difference, or Monthly Range, ... = 2.057

S. - R. THERMOMETERS } = 55.8
(in shade, &c.)
Highest in Month (corrected for Index Errors) on the 28th ...
Lowest in Month, (corrected for Index Errors), on the 19th ... } = 30.3
Difference, or Monthly Range, ... = 25.5
"Corrected Mean" of all the Highest, (Col. 3), ... } = 45.9
"Corrected Mean" of all the Lowest, (Col. 4), ... } = 37.7
Difference, or Mean Daily Range, ... = 8.2
Calculated Mean Temperature of Month, = 41.8

HYGROMETER, "Corrected" } = 41.5
Mean "of 9 h. and 21 h. Reading of Dry Bulb (Cols. 5 and 7), ...
"Corrected Mean" of 9 h. and 21 h. Reading of Wet Bulb (Cols. 6 and 8), ... } = 39.0
†† Computed Temperature of Dew-Point, = 35.9
†† Do. Elastic Force of Vapour, ... = 0.211
†† Relative Humidity (Saturation = 100), = 81
RAIN fell on 14 Days; Amount, ... = 1.53 Inches.

WIND.	SUMMARY.									
Direction	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.
9 h.	7	2	1	1	1	2	2	1	1	172
21 h.	7	2	3	1	2	1	1	1	1	177
Mean.	7	1	2	1	2	0	1	2	0	178

NOTATION USED IN GENERAL REMARKS.

a. denotes aurora.	m. denotes meteor.
ci. cirrus.	ms. meteors.
ci. cu. cirro-cumulus.	n. nimbus.
ci. st. cirro-stratus.	r. rain.
cu. cumulus.	h. r. heavy rain.
cu. f. cumulus-form.	c. h. r. continued heavy rain.
cu. st. cumulo-stratus.	st. stratus.
d. dew.	sc. squall.
f. fog.	sl. sleet.
fr. frost.	s. snow.
h. fr. hoar-frost.	so. ha. solar halo.
h. haze.	sq. squall.
h. d. heavy dew.	sqs. squalls.
hl. hail.	t. thunder.
l. lightning.	t. s. thunder storm.
li. cl. light clouds.	w. wind.
li. sh. light showers.	g. gale of wind.
lu. co. lunar corona.	n. d. not discernible.
lu. ha. lunar halo.	

TABLE FOR ESTIMATING FORCE OF WIND.

Estimated Force, 0-6.	Common Designation.	Estimated Force, 0-6.	Common Designation.
0	Calm.	3	Very fresh.
0.5	Very light air.	4	Blowing hard.
1	Light air.	5	Blowing a gale.
1.5	Light breeze.	6	Violent gale.
2	Fresh breeze.		

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at LEITH, County of Edinburgh, in Lat. 55° 59' N., Long. 3° 10' W., during the MONTH of *December* 18*93*; Distance from Sea, Half-Mile.

The Hours of Observation are of Universal Time, same as Greenwich Mean Time.

NOTE.—All the 9 h. Barometric Observations in this Schedule, except those marked ✕, were made with a Kew Marine; all the 2 h. 0 m. Observations, and those marked ✕, with a Fortin Standard.

Days of Month.	BAROMETER, Corrected and Reduced to 32° and Sea Level.		SELF-REGISTERING THERMO-METERS, In Shade 4 feet above Grass.		HYGROMETER.				WIND.				RAIN.	CLOUDS.				SPECIAL REMARKS.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, &c.	Days of Month.									
	9 h.	2 1/2 h. P. M.	Max. Kew No.	Min. Kew No.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	Direction.	Force, 0-6.	Direction.	Force, 0-6.		Amount in inches.	Velocity (0-6), and Direction.	Amount, (0-10), and Species.	Velocity (0-6), and Direction.				Amount, (0-10), and Species.								
Inches.	Inches.	°	°	°	°	°	°																						
1	29.985	30.184	34.9	27.5	29.9	27.0	28.0	?	N	2 1/4	W	1 1/4	0.015	17.7	100	5	thin cu.	0	0	Thermos. read at 8 h.	Fine, sunny.	1							
2	30.389	30.209	42.6	26.9	27.4	?	42.6	40.0	W	1.0	W	2.3	.00	0	0	n.d.	10	st.	do.	do.	Fine, mostly sunny; evening cloudy.	2							
3	30.109	30.113	49.5	42.6	48.5	46.5	47.9	45.0	W	1.5	W	2.5	.00	2.2	8	3	cu. f. r. cu.	n.d.	10	st.	do.	Fine; cloudy, with sunny inters. at & abt. noon.	3						
4	30.130	30.268	51.0	44.1	48.1	46.1	44.3	44.0	W	2.0	E. var.	0.25	.06	2.7	10	thin	cu. f. r. cu.	n.d.	10	st.	Thermos. read at 8 h.	Cloudy; drizz. r. after 11 h.	4						
5	30.224	29.963	49.0	42.1	44.9	42.9	49.0	46.9	W	1.5	W	2.2	.02	1.5	W	10	thin	cu.	n.d.	10	st.	form.	do.	do.	Cloudy; sh. abt. 15 h.	5			
6	29.695	29.414	52.9	45.4	52.2	48.9	46.7	45.1	W	2.5	W	2.2	.15	2.4	W	10	cu. f. r. cu.	2.5	W	4-8	sc. r.	do.	do.	do.	Cloudy; brk. sh. at times after 16 1/2 h.	6			
7	29.342	29.438	46.7	34.2	36.9	35.0	38.9	36.2	W	2.2	W	2.0	.29	1.5	W	5	cu. f. r. cu.	2	W	0	0	do.	do.	do.	do.	Cloudy; sh. hill 13 h. - Part of so. hor. at noon.	7		
8	28.571	28.819	47.1	37.9	43.3	40.3	40.9	37.1	S	3.5	W	2.2	.14	2.5	W	3	cu. f. r. cu.	0	0	do.	do.	do.	do.	do.	do.	Cloudy; sh. hill 13 h. - Part of so. hor. at noon.	8		
9	28.957	29.250	40.9	34.8	38.2	36.0	37.9	36.0	W	2.0	W	2.0	.13	1.5	W	9	st.	cu.	?	10	species?	do.	do.	do.	do.	Cloudy; sh. hill 13 h. - Part of so. hor. at noon.	9		
10	29.250	28.839	44.0	32.9	33.9	32.6	42.9	40.0	S	0.5	W	2.5	.07	2.5	W	2	cu. f. r. cu.	n.d.	2	st.	form.	do.	do.	do.	do.	do.	Cloudy; sh. hill 13 h. - Part of so. hor. at noon.	10	
11	29.252	29.397	42.9	36.0	37.9	35.1	36.0	33.0	S	1.1	W	1.0	.01	2.5	W	10	cu. f. r. cu.	0	0	Thermos. read at 8 h.	Fine; mostly sunny after 11 h.	11							
12	29.153	29.122	39.4	32.2	35.9	35.0	36.7	34.8	S	1.5	W	0.25	.10	1.5	W	8	thin	cu.	0	0	do.	do.	do.	do.	do.	do.	Cloudy; sh. hill 13 h. - Part of so. hor. at noon.	12	
13	28.843	29.027	40.0	30.6	34.2	34.0	40.0	36.3	E	2.4	W	1.5	.49	3.6	W	10	st.	n.d.	10	st.	do.	do.	do.	do.	do.	do.	Cloudy; sh. hill 13 h. - Part of so. hor. at noon.	13	
14	29.559	29.932	40.6	35.0	37.2	35.3	40.6	36.7	W	2.0	W	2.2	.00	0	0	n.d.	5	(prob.)	st.	do.	do.	do.	do.	do.	do.	do.	Fine, sunny.	14	
15	29.930	29.974	55.0	39.9	47.0	44.3	54.0	49.9	W	2.3	W	2.5	.01	2.4	W	2	thin	cu.	2.5	W	10	thin	cu.	do.	do.	do.	do.	Cloudy; sh. hill 13 h. - Part of so. hor. at noon.	15
16	30.084	30.046	54.3	50.8	54.1	50.9	51.9	48.8	W	2.2	W	2.3	.00	2	W	7	cu.	2	W	8	thin	cu.	do.	do.	do.	do.	do.	Cloudy; sh. hill 13 h. - Part of so. hor. at noon.	16
17	30.022	30.045	51.9	37.2	47.4	44.0	38.8	37.8	W	2.0	Calu	0	.00	0	0	?	8	st.	thick	h.	at	21	h.	do.	do.	do.	do.	Fine, sunny; thick h. at 21 h.	17
18	29.731	29.694	48.0	37.9	44.9	41.6	42.9	39.8	W	1.3	S	2.0	.00	1.5	W	2	st.	W	2	W	7	cu.	do.	do.	do.	do.	do.	Cloudy; sh. hill 13 h. - Part of so. hor. at noon.	18
19	29.171	28.750	46.5	37.9	39.9	39.0	42.0	40.0	S	2.0	S	1.0	.02	2.5	W	10	species?	2.5	W	2	st.	do.	do.	do.	do.	do.	do.	Cloudy; sh. hill 13 h. - Part of so. hor. at noon.	19
20	28.772	28.880	45.0	35.4	39.0	36.1	35.9	34.0	W	2.0	W	2.0	.00	1.5	W	5	st.	cu.	0	0	do.	do.	do.	do.	do.	do.	do.	Fine; mostly cloudy.	20
21	29.008	29.286	44.0	34.1	37.8	35.2	44.0	41.1	W	2.0	W	2.3	.00	2	W	10	thin	cu.	2.5	W	10	thin	cu.	do.	do.	do.	do.	Fine; sunny at times.	21
22	29.255	29.494	50.5	40.0	46.5	43.9	43.2	40.2	S	2.2	W	2.2	.05	2.5	W	2	thin	cu.	2	W	3	thin	cu.	do.	do.	do.	do.	Cloudy; sh. hill 13 h. - Part of so. hor. at noon.	22
23	29.752	29.984	47.4	42.0	44.0	41.3	46.6	44.0	W	2.5	W	2.0	.00	2.4	W	16	cu. f. r. cu.	2	W	3	thin	cu.	do.	do.	do.	do.	do.	Fine; mostly sunny.	23
24	29.803	29.539	50.5	43.4	47.2	43.7	45.9	45.0	S	2.2	W	1.0	.17	2.4	W	10	st.	cu.	2	W	10	st.	form.	do.	do.	do.	do.	Cloudy; sh. hill 13 h. - Part of so. hor. at noon.	24
25	29.722	30.012	46.1	39.1	40.4	38.0	40.0	37.1	W	2.5	W	2.2	.33	0	0	0	0	do.	do.	do.	do.	do.	do.	do.	do.	do.	do.	Cloudy; sh. hill 13 h. - Part of so. hor. at noon.	25
26	30.239	30.234	47.8	38.9	40.8	39.0	47.8	44.0	W	1.1	S	1.5	.00	0	0	n.d.	10	st.	do.	do.	do.	do.	do.	do.	do.	do.	do.	Fine; rather hazy; cloudy after 13 h.	26
27	30.179	30.283	50.2	44.9	46.8	44.0	49.8	47.9	S	1.4	Variable	0.5	.00	1.5	W	7	st.	n.d.	10	species?	do.	do.	do.	do.	do.	do.	do.	Cloudy; fine.	27
28	30.412	30.523	51.2	45.9	49.8	48.0	47.9	46.0	W	1.0	S	0.5	.15	0.5	W	10	st.	0	0	do.	do.	do.	do.	do.	do.	do.	do.	Rain previous night; day fine, cloudy.	28
29	30.587	30.637	50.4	45.1	48.5	45.6	45.0	42.1	W	1.5	W	1.5	.07	2.4	W	10	cu. f. r. cu.	0	0	do.	do.	do.	do.	do.	do.	do.	do.	Cloudy; rather hazy; sh. abt. 5 h.; cloudless at 21 h.	29
30	30.574	30.553	49.4	42.0	48.0	44.2	45.9	42.0	W	2.0	W	2.0	.00	2	W	10	cu. f. r. cu.	n.d.	10	st.	do.	do.	do.	do.	do.	do.	do.	Fine; cloudy, with chat sunny inters. bet. 13 h. & 14 h.	30
31	30.432	30.487	49.0	41.1	45.6	43.0	44.4	39.2	W	2.0	E	1.5	.03	1.5	W	2	thin	cu.	n.d.	10	species?	do.	do.	do.	do.	do.	do.	Fine, sunny till abt. 15 h., then cloudy; sh. bet. 17 h. & 18 h.	31
Sums.	921.134	922.396	44.58	37.19	43.16	42.16	43.35	42.31	52	5	3	2	21	16.6			14.8												
"Corrected Means."	29.714	29.755	47.1	38.6	42.5	40.5	43.1	41.0	2.1	4	1.6	2	21	5.4			4.8												
No. of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17												

BAROMETER, "corrected Mean" = *29.714*
 at 9 h.
 "Corrected Mean" at 2 h. 0 m. ... = *29.755*
 32 *29.657*
 Mean, reduced to 32°, and Sea-level, = *29.734*
 Highest corrected Reading at *2.2 h.* = *30.641*
 Universal Time, on the *29. h.* ...
 Lowest corrected Reading at *9.2 h.* = *28.560*
 Universal Time, on the *8. h.* ...
 Difference, or Monthly Range, = *2.081*

S. - R. THERMOMETERS
 (in shade, &c.)
 Highest in Month (corrected for Index Errors) on the *1.5 h.* ... = *55° 0*
 Lowest in Month, (corrected for Index Errors), on the *2.2 h.* ... = *26° 9*
 Difference, or Monthly Range, = *28° 1*
 "Corrected Mean" of all the Highest, (Col. 3), = *47° 1*
 "Corrected Mean" of all the Lowest, (Col. 4), = *38° 6*
 Difference, or Mean Daily Range, = *8° 5*
 Calculated Mean Temperature of Month, = *42° 8*

HYGROMETER, "Corrected Mean" of 9 h. and 21 h. Reading of Dry Bulb (Cols. 5 and 7), = *42° 8*
 "Corrected Mean" of 9 h. and 21 h. Reading of Wet Bulb (Cols. 6 and 8), = *40° 7*
 # Computed Temperature of Dew-Point, = *38° 2*
 # Do. Elastic Force of Vapour, ... = *2.31*
 # Relative Humidity (Saturation = 100), = *84*
 RAIN fell on *19* Days; Amount, = *2.21* Inches.

WIND.	SUMMARY.									
	N	NE	E	SE	S	SW	W	NW	Calu or Variable.	Mean Force.
9 h.	1					6	5			
21 h.			3			2	4	20	2	
Mean.	1	0	2	1	4	5	17	0	1	1.89

NOTATION USED IN GENERAL REMARKS.			
a. denotes aurora.	m. denotes meteor.	ms. "	meteors.
ci. " cirrus.	n. " nimbus.	r. " rain.	h. r. " heavy rain.
ci.-cu. " cirro-cumulus.	st. " stratus.	sc. " scud.	so. ha. " solar halo.
cu. " cumulus.	cu.-st. " cumulo-stratus.	al. " albatross.	sq. " squall.
cu.-f. " cumulo-f.	d. " dew.	fr. " frost.	s. " snow.
fr. " fog.	h. fr. " hoar-frost.	h. " haze.	sq. " squall.
h. d. " heavy dew.	l. " lightning.	l. sh. " light showers.	l. co. " light breeze.
l. " lightning.	l. cl. " light clouds.	l. sh. " light showers.	l. co. " light breeze.
l. sh. " light showers.	l. co. " light breeze.	l. ha. " lunar halo.	l. ha. " lunar halo.
l. ha. " lunar halo.			

TABLE FOR ESTIMATING FORCE OF WIND.			
Estimated Force, 0-6.	Common Designation.	Estimated Force, 0-6.	Common Designation.
0	Calm.	3	Very fresh.
0.5	Very light air.	4	Blowing hard.
1	Light air.	5	Blowing gale.
1.5	Light breeze.	6	Violent gale.
2	Fresh breeze.		

* Where an asterisk appears in Columns 3 and 4, the Highest Temperatures for the 24 hours (preceding 21 h.) were registered during the Night, and the Lowest Temperatures during the Day.
 # These Hygrometrical Deductions are calculated from Glaisher's Hygrometrical Tables, Sixth Edition.

Observations made and Return verified by

(Signed) *James Boland & George Rapallo*