

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT MONTREAL IN FEBRUARY, 1861.

By Archibald Hall, M.D.

Day.	DAILY MEANS OF THE							THERMOMETER.		WIND.		RAIN AND SNOW.			GENERAL OBSERVATIONS.
	Barometer corrected and reduced to F. 32° of the Air.	Temperature of the Air.	Dew Point.	Relative Humidity.	Ozone.	CLOUDS.		Maximum read at 9, P. M.	Minimum read at 7, A. M.	Its general Direction and Force from 0 Calm to 10 Violent Hurricane.	Rain in 24 Hrs read at 6, A.M.	Snow in 24 Hrs read at 10 A.M.	Total rain and melted snow		
						Amount.	General description.								
1	Inc's.	o	o	0.100	0.10	0.10									
2	29.981	21.8	14.0	.71	9.0	10.0	Cu. St.	28.0	19.0	W. S.W.	0.10				
3	29.584	20.6	17.0	.89	9.5	10.0	Nimb.	23.0	16.0	N.N.E	2.6				
4	30.111	7.9	4.0	.62	3.5	3.0	Cu. St.	24.7	16.0	N.W.	1.6	Inap.	0.75	0.58	
5	30.276	1.6	6.0	.83	8.0	7.0	Nimb.	8.3	15.0	N.W.	1.0				
6	30.042	23.1	16.0	.74	8.0	10.0	Cu. St.	30.6	19.0	S.W.	1.3		0.40	0.01	
7	29.451	27.1	22.0	.81	8.5	10.0	Cu. St.	33.0	21.0	S.W.	3.3		0.50	0.01	
8	30.597	6.6	10.0	.79	7.5	3.6	Cu. St.	23.2	17.0	N.W.	4.6		2.00	0.26	
9	30.409	22.0	23.0	.44	3.5	0.6	Strat.	14.5	34.0	W.	3.6		3.00	0.29	
10	30.565	6.2	12.0	.65	5.5	4.3	Strat.	0.6	20.0	S.W.	1.0				
11	30.206	22.3	18.0	.86	9.7	10.0	Cu. St.	32.4	24.0	W. S.W.	1.0		0.25	0.14	
12	30.014	37.0	33.0	.89	9.0	10.0	Nimb.	33.2	24.0	S.S.	1.3	0.07		0.07	
13	29.519	41.3	33.0	.91	8.3	7.3	Nimb.	45.5	33.0	S.S.W.	2.0	0.63		0.63	
14	29.906	30.3	25.0	.80	5.0	6.0	Cu. St.	39.5	25.0	W.	1.6	0.14	Inap.	0.14	
15	30.184	24.2	17.5	.73	5.3	5.0	Cir. St.	31.1	19.0	W.N.W.	1.0				
16	29.731	23.2	20.1	.89	9.5	10.0	Nimb.	32.0	19.6	N.E.	3.3		2.25	0.22	
17	29.638	26.9	22.0	.83	10.0	6.6	Nimb.	35.3	19.6	N.	0.0	0.06	8.00	0.86	
18	29.239	31.3	22.0	.95	10.0	10.0	Nimb.	36.2	20.8	W.N.W.	3.3		6.50	0.59	
19	29.653	30.0	25.0	.82	6.5	10.0	Cu. St.	33.2	26.1	W.	2.0	Inap.	1.50	0.19	
20	29.897	20.0	12.0	.71	5.0	6.6	Cu. St.	29.9	14.7	S.W.	1.0				
21	29.442	26.2	23.0	.85	9.5	5.6	Nimb.	37.2	10.2	S.	1.0		1.20	0.16	
22	29.533	24.1	19.0	.81	9.5	10.0	Nimb.	39.8	16.1	W.N.W.	2.6		2.00	0.22	
23	30.080	9.0	6.0	.69	5.0	0.6	Cu. St.	19.0	4.5	W.N.W.	3.6		Inap.	Inap.	
24	29.765	15.0	6.0	.60	9.0	10.0	Nimb.	13.5	4.0	W.N.E.	3.0				
25	29.782	15.0	6.0	.60	9.0	3.3	Cu. St.	15.0	8.0	W.N.W.	2.3	0.15	3.00	0.52	
26	30.061	23.0	16.0	.72	9.0	3.3	Cu. St.	26.3	5.0	S.W.	4.0				
27	30.009	37.0	32.0	.85	7.0	0.6	Cu. St.	45.7	23.5	W.	1.0				
28	30.125	37.0	31.0	.79	7.0	0.6	Cu. St.	42.2	25.8	S.W.	1.3				
29	30.015	39.0	33.0	.78	8.0	7.0	Cu. St.	42.6	34.8	S.W.	1.3				
S's															
M's	29.896	20.57	15.35	.781				20.94	10.63		1.10	37.75	5.09		

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT TORONTO IN FEBRUARY, 1861.

Compiled from the Records of the Magnetic Observatory.

Day.	DAILY MEANS OF THE					THERMOMETER.		WIND.		RAIN AND SNOW in 24 hours, ending at 6 A.M. next day.			GENERAL REMARKS.
	Barometer reduced to 32° Fahr.	Temperature of the Air.	Relative Humidity.	Amount of Cloudiness.	Max'm read at 6, A.M. of next day.	Min'm read at 2 P.M. of same day.	Dew Point at 3, P.M.	General Direction.	Mean Velocity in Miles per hour.	Rain.	Snow.	Total rain and melted snow.	
1	Inches.	o	0-100	0-10	o	o	o						
2	29.4623	20.50	93	10	33.3	5.0	22.0	N. 76 E.	8.00		7.0	.700	
3	29.3722	26.85	92	10	22.2	4.4	23.0	N. 52 W.	11.86				
4	Sun	day		10	31.4	9.3	23.5	S. 85 W.	7.19				
5	29.837	26.83	89	8	30.3	8.2	22.0	S. 59 W.	7.63		Inap.	Inap.	
6	29.638	26.67	87	8	30.0	8.6	22.0	S. 57 W.	8.10		0.1	.010	
7	29.240	24.55	77	9	35.0	3.0	27.0	S. 88 W.	16.16		2.0	.200	
8	29.5283	7.72	81	9	9.0	9.3	16.0	N. 44 W.	19.76		8.0	.800	
9	30.1002	5.23	90	9	9.0	20.3	15.5	N. 60 W.	6.39		0.5	.050	
10	29.9505	18.10	89	10	29.8	2.5	18.0	N. 70 E.	7.62		Inap.	Inap.	
11	Sun	day		10	43.0	16.9	41.0	N. 49 E.	3.97				
12	30.350	41.52	95	10	44.6	37.6	41.0	S. 50 E.	4.08	0.300		.300	
13	29.663	33.70	85	9	39.0	34.0	24.0	N. 57 W.	13.39		0.2	.020	
14	29.7238	30.28	86	6	34.2	29.6	24.0	N. 55 W.	12.37				
15	29.6620	28.85	82	10	32.0	29.0	24.0	N. 63 W.	20.06	0.045	1.0	.145	
16	29.1075	32.05	7	10	33.4	31.0	30.0	S. 76 E.	10.24		6.0	.600	
17	29.2135	31.27	79	9	34.8	28.0	25.5	S. 58 W.	8.22		0.3	.030	
18	Sun	day		10	32.2	25.0	22.5	S. 72 W.	10.78		0.1	.010	
19	29.5048	27.25	79	10	30.2	27.0	22.5	S. 76 W.	9.78				
20	29.5987	27.50	90	9	32.6	19.0	25.0	S. 19 E.	9.32		2.0	.200	
21	29.1625	31.40	81	9	36.0	27.0	27.0	S. 85 W.	13.34		0.5	.050	
22	29.5523	23.87	70	7	29.2	22.0	16.0	N. 60 W.	20.17		Inap.	Inap.	
23	29.7163	21.02	85	9	26.0	13.2	17.0	N. 76 E.	11.13	.430	2.0	.200	
24	29.1757	29.60	85	10	36.4	16.0	29.5	S. 57 W.	16.43		Inap.	.430	
25	Sun	day		10	19.7	8.0	34.0	N. 59 W.	14.57				
26	29.7338	29.67	76	8	39.2	8.1	32.0	S. 45 W.	12.58				
27	29.7613	33.40	76	1	44.8	27.3	32.5	N. 21 W.	1.41				
28	29.8467	36.15	77	4	40.5	25.4	35.0	N. 77 W.	5.12				
29	29.6550	37.32	84	10	46.0	32.8	32.0	N. 54 W.	6.18	.040		.040	
S's													
M's	29.5441	26.06	84	8	32.37	18.54	22.46	N. 77 W.	10.58	0.815	29.7	3.785	

7th.—Very stormy day, wind during forenoon 34 and 35 miles per h'ar, heavy snow and temperature falling rapidly.
 8th.—Day very keen moderating towards night.
 10th.—From 12 p.m. of 7th to 2 p.m., a difference of temperature occurred of 63° in 62 hours, temperature of day 18.25 above average.
 Stormy night, rain freezing as it fell.
 Solar Halo.
 Lunar Halo.
 Faint Auroral light.