

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT MONTREAL IN JANUARY, 1862.

By Archibald Hall, M.D.

Day.	DAILY MEANS OF THE							THERMOMETER.		WIND.	RAIN AND SNOW.			GENERAL OBSERVATIONS.	
	Barometer corrected and reduced to 32° F. 32°	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 9 O'Clock to 10 O'Clock Violent Hurricane.	Rain in 24 hrs read at 10 A.M.	Snow in 24 hrs read at 10 A.M.		Total rain and melted snow.
						Amount.	General description.								
1	30.213	23.6	19.4	.89	10.0	10.0	Nimb.	43.2	13.8	S.S.W.	2.0	3.25	0.28		
2	30.918	4.4	4.1	.73	4.5	0.0	00	15.0	1.5	W.	4.0	Inap.	0.12		
3	30.110	3.0	11.8	.64	2.5	0.0	00	2.0	9.9	W.	4.0	.....	.....
4	30.007	4.6	12.1	.64	2.0	0.0	00	2.2	11.7	W.	3.0	.....	.....
5	30.123	2.4	12.1	.65	2.0	0.0	00	4.4	9.5	W.S.W.	3.0	.....	.....
6	30.918	2.9	4.0	.75	3.5	10.0	Cu. St.	9.0	10.0	N.	3.0	.....	.....	First crossing at Longueuil.
7	30.161	16.1	6.6	.69	3.5	3.3	Nimb.	20.9	3.8	W.	2.0	0.75	0.04	Road made to St. Helen's.	
8	30.241	20.3	12.4	.70	4.5	6.6	Cu. St.	26.0	6.9	S.E.	1.6	.....	.....	Lunar Corona.
9	30.902	35.1	30.9	.85	9.5	10.0	Cu. St.	35.5	34.0	S.W.	1.0	0.33	0.03	Heavy gale.	
10	30.630	26.4	19.5	.76	10.0	10.0	Cu. St.	37.0	19.5	N.	2.6	.....	.....	First crossing to St. Lamb't
11	30.174	0.7	9.0	.70	8.0	4.3	Cir. St.	19.0	4.5	N.N.E.	2.6	0.10	0.10	Sleighs cross'd to St Lamb't	
12	30.501	11.1	7.5	.81	9.5	10.0	Nimb.	20.9	0.0	N.N.W.	2.3	1.25	0.17		
13	30.288	0.3	3.1	.68	3.5	0.3	Strat.	22.5	4.9	W.	2.6	4.50	0.35	Aurora with streamers.	
14	30.673	1.7	6.9	.73	2.9	0.0	Foggy.	11.4	10.4	S.S.W.	1.0	.....	.....	Hazy day. Lunar Halo.
15	30.859	11.1	6.6	.85	9.5	10.0	Nimb.	21.2	2.3	E.N.E.	1.3	1.00	0.14		
16	30.078	13.4	7.7	.65	5.5	2.6	Cu.	25.9	2.9	W.	3.3	9.75	1.00		
17	30.373	18.7	11.2	.72	6.5	7.6	Cu. St.	25.7	1.3	S.	1.0	.....	.....
18	30.181	17.5	13.0	.83	10.0	10.0	Nimb.	20.5	12.0	N.	1.0	1.25	0.16		
19	30.967	16.3	12.0	.83	10.0	10.0	Nimb.	20.5	7.3	N.	2.3	1.75	0.19	Lunar Halo.	
20	30.878	20.7	18.7	.83	10.0	10.0	Nimb.	22.9	17.4	N.N.E.	2.6	2.25	0.24		
21	30.195	15.5	6.3	.67	5.5	1.3	Cu. St.	21.0	11.8	N.	1.3	5.75	0.49	Auroral light.	
22	30.109	15.6	11.8	.89	10.0	10.0	Nimb.	19.9	5.0	N.	1.6	Inap.	Inap.		
23	30.068	28.1	22.5	.79	7.5	7.6	Cu. St.	32.3	18.4	W.	1.0	1.00	0.04		
24	30.257	13.2	4.2	.70	4.5	1.6	Strat.	31.9	6.5	N.N.E.	1.0	.....	.....
25	30.779	20.2	17.9	.90	10.0	10.0	Nimb.	21.4	8.5	N.N.E.	4.0	0.75	0.10	Heavy storm continued.	
26	30.706	22.7	19.2	.82	7.5	6.6	Nimb.	41.2	18.8	W.	3.3	12.50	1.32	Snow storm continued.	
27	30.348	11.9	2.3	.69	4.6	3.3	Cu. St.	19.4	7.5	W.N.W.	1.3	0.50	0.02	Hazy day.	
28	30.401	2.2	2.3	.61	3.5	0.0	00	8.0	6.5	W.N.W.	1.0	Inap.	Inap.	Fine rain with fine hail.	
29	30.882	14.6	12.9	.91	9.0	10.0	Nimb.	22.5	1.8	N.	1.0	Inap.	Inap.		
30	30.997	23.3	17.5	.79	7.5	10.0	Cu. St.	30.2	17.2	W.	1.0	Inap.	Inap.	Hazy morning.	
31	30.389	14.8	5.7	.67	5.0	0.0	00	27.2	9.9	N.W.	0.6	.....	.....
S's												0.10	46.58	4.87	
M's	30.362	13.30	6.97	.75				23.01	4.46						

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT TORONTO IN JANUARY, 1862.

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 in read at 6 A.M. of next day.	Min in 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.		Ozone in 24 hours ending 6 A.M. of next day.	
1	30.2435	30.67	70	0-10	44.5	32.0	21.0	N.	70	W.	26.31	Inap.	0.1	Inch.		
2	9193	12.45	69	1	19.0	13.9	5.0	N.	31	W.	14.50	.....	.....	.....	Very stormy day. Ft. Auro.
3	9055	2.42	73	7	8.2	2.6	1.5	N.	3	E.	8.87	.....	.....	.....	Auroral arch and streamers.
4	7893	6.25	63	2	11.0	1.2	1.0	N.	5	W.	4.30	.....	.....	.....
5	Sun day				19.8	0.5	.....	N.	56	E.	7.15	1.0	1.00	.....	
6	4710	17.32	85	8	21.8	11.0	12.5	N.	9	E.	4.93	0.3	0.30	.....	Faint Aurora.
7	9405	22.60	78	4	30.2	13.2	14.0	S.	75	W.	3.82	.....	.....	.....
8	7447	30.20	84	10	28.0	17.1	25.5	S.	7	W.	7.77	0.5	0.50	.....	
9	6257	35.32	85	10	37.0	29.0	30.5	S.	36	W.	4.18	.018	.013	.....	
10	4088	34.10	76	7	43.2	34.5	34.0	S.	68	W.	15.23	.064	.064	.....	
11	5830	15.85	87	10	27.5	13.0	17.5	S.	85	W.	9.10	3.0	3.00	.....	
12	Sun day				32.4	15.2	.....	S.	78	W.	12.40	.070	.070	.....	
13	30.0680	4.35	78	5	7.1	1.5	4.5	N.	20	W.	8.40	4.0	4.00	.....	
14	30.1513	12.00	76	6	23.8	2.0	6.0	N.	83	E.	9.23	4.0	4.00	.....	Lunar Halo.
15	30.3293	27.60	90	10	32.7	19.2	24.0	S.	64	W.	14.91	2.5	2.50	.....	
16	9358	14.12	71	2	20.0	15.2	9.0	N.	87	W.	10.65	.....	.....	.....	Lunar Halo.
17	9737	18.78	87	10	24.0	2.6	17.0	N.	13	E.	5.20	1.5	1.50	.....	
18	6803	24.43	91	10	26.2	20.5	20.5	N.	50	E.	6.82	3.0	3.00	.....	
19	Sun day				26.2	19.5	.....	N.	42	E.	6.60	1.5	1.50	.....	
20	5662	22.37	80	7	27.4	19.7	20.0	N.	8	E.	8.04	0.5	0.50	.....	
21	7268	23.83	85	10	28.6	15.0	20.0	N.	55	E.	8.23	0.5	0.50	.....	
22	6872	28.87	87	10	32.6	23.7	25.0	N.	79	W.	2.90	0.2	0.20	.....	
23	7700	28.27	86	7	32.0	25.0	24.0	N.	63	E.	2.02	0.1	0.10	.....	
24	7188	29.35	83	10	31.5	26.3	23.5	N.	84	E.	10.34	1.5	1.50	.....	
25	3307	27.80	81	10	32.0	22.0	26.0	N.	86	E.	10.15	5.0	5.00	.....	
26	Sun day				25.8	23.0	.....	N.	84	W.	13.01	.....	.....	.....
27	30.1358	16.37	85	4	27.2	5.0	16.0	N.	66	E.	3.46	.....	.....	.....	Solar Halo.
28	30.7480	24.00	91	10	29.2	15.4	18.5	N.	84	E.	14.17	Inap.	2.0	2.00	
29	5027	32.23	84	9	36.0	19.0	34.0	N.	57	W.	3.93	.....	.....	.....
30	7567	23.33	76	5	29.8	20.3	21.0	N.	5	W.	7.65	Inap.	Inap.	.....	Faint Aurora.
31	9072	21.30	82	5	30.2	9.0	16.0	S.	76	E.	7.78	.....	.....	.....
S's												0.147	27.2	2.867		
M's	29.7274	21.71	81	7	27.58	15.23	17.97	N.	20	W.	8.78	.....	.....	.....