ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT *MONTREAL* IN DECEMBER, 1861.

By Archibald Hall, M.D.

Day.	DAILY MEANS OF THE: Barometer corrected and reduc'd to F. 32°	Temper'ture of the Air.	Dew Point.	Relative Humidity.	Ozone.	CLOUDS. Amount.	CLOUDS. General description	THERMOMETER. Maximum read at 9, P.M.	THERMOMETER. Minimum read at 7, A.M.	WIND. Its general Direction and Mean Force from 0 Calm to 10 Violent Hurricane.		RAIN AND SNOW. Rain in 24 h'rs read at 10, A.M.	Snow in 24 h'rs read at 10 A.M.	Total rain and melted snow.	GENERAL OBSERVATIONS.
	Inc's.	°		0.100	0.10	0.10		°	°		0.10	Inch.	Inch.		
1	29.634	27.6	25.3	.92	9.5	10.0	Nimb.	36.2	24.8	N.E.	2.0	.....	.....	.....	
2	29.758	25.3	18.8	.76	8.5	7.0	Cu. St.	29.5	20.5	W.	3.0	.....	3.79	0.35	
3	30.056	16.0	5.8	.63	4.0	3.3	Cu. St.	21.0	10.7	W.	3.3	.....	Inap.	Inap.	
4	30.081	18.6	10.7	.77	6.5	6.6	Cu. St.	32.4	3.0	S.S.E.	2.3	.....	.....	.....	
5	30.155	31.9	28.5	.88	8.5	10.0	Cu. St.	36.1	21.9	W.	2.0	.....	.....	.....	
6	30.408	35.4	32.2	.89	9.0	10.0	Cu. St.	38.9	23.4	N.N.E.	1.6	.....	.....	.....	
7	30.055	42.5	37.6	.86	10.0	8.6	Cu. St.	52.7	36.0	S.S.W.	3.0	0.07	.....	0.07	
8	29.849	44.4	43.6	.100	10.0	6.6	Nimb.	48.9	39.4	W.	2.3	0.63	.....	0.63	Dense Fog about 2 pm.
9	29.963	38.6	33.2	.83	10.0	10.0	Nimb.	43.2	35.0	N.E.	1.0	.....	.....	.....	
10	29.769	43.0	39.1	.88	9.0	8.3	Cu. St.	49.0	34.2	S.S.E.	2.6	0.07	.....	0.07	
11	30.123	26.7	20.4	.78	4.5	3.6	Cu.	52.4	15.0	W.N.W.	3.0	0.57	.....	0.57	
12	30.528	21.8	15.7	.78	6.0	6.0	Cu. St.	28.0	13.2	S.S.W.	3.3	.....	.....	.....	
13	30.297	33.7	29.3	.85	6.5	6.6	Cu. St.	53.4	21.8	S.W.	2.3	.....	Inap.	Inap.	Lunar Halo.
14	29.857	40.0	32.6	.77	7.5	3.6	Cir. St.	53.0	28.4	W.S.W.	3.6	.....	.....	.....	
15	30.218	25.1	18.6	.75	5.5	5.6	Cir. St.	45.0	18.8	W.N.W.	3.3	.....	.....	.....	
16	29.699	32.1	25.2	.77	5.5	7.0	Cu.	64.6	25.8	S.W.	2.3	.....	Inap.	Inap.	
17	30.176	19.7	12.1	.71	5.5	4.3	Cir.	30.4	14.0	S.S.E.	1.3	.....	.....	.....	
18	29.988	29.0	20.6	.73	3.0	3.3	Cu. St.	52.5	17.0	W.N.W.	3.3	.....	.....	.....	Lunar Halo.
19	29.877	23.3	20.7	.86	9.5	10.0	Nimb.	40.4	11.8	E.S.E.	2.3	.....	.....	.....	Fine hail preceded by snow
20	29.997	14.0	8.8	.83	4.0	6.6	Cu. St.	36.2	4.2	N.W.	2.6	0.20	Inap.	0.20	and ending in rain.
21	30.367	3.7	— 5.2	.67	3.2	0.6	Strat.	12.3	— 6.7	W.	3.0	.....	.....	.....	
22	30.309	26.5	18.2	.74	3.0	5.0	Cu. St.	30.3	10.6	W.S.W.	2.0	.....	.....	.....	
23	29.642	22.8	16.5	.93	9.5	10.0	Nimb.	30.3	20.0	N.N.E.	3.6	.....	5.25	0.45	Gale pm.
24	29.786	14.9	5.8	.71	3.5	2.6	Cir. St.	26.2	7.0	N.W.	1.3	.....	2.00	0.21	
25	30.250	3.4	— 4.3	.72	3.0	0.3	Strat.	12.2	— 4.0	W.S.W.	2.6	.....	.....	.....	
26	30.160	15.1	11.5	.82	6.5	6.6	Nimb.	29.0	— 4.3	N.E.	2.3	.....	.....	.....	Solar Halo.
27	29.780	25.8	19.5	.81	7.5	6.6	Nimb.	47.0	12.3	W.S.W.	3.6	Inap.	Inap.	0.27	
28	30.372	5.9	— 3.2	.74	3.0	0.0	00	12.4	— 0.9	W.N.W.	2.6	.....	Inap.	Inap.	
29	30.117	10.2	— 0.5	.77	5.5	7.0	Cu. St.	15.0	2.5	W.N.W.	1.0	.....	.....	.....	
30	30.094	18.5	10.8	.83	6.5	9.3	Cu. St.	26.0	12.6	W.N.W.	1.6	.....	1.00	0.16	
31	29.836	18.4	14.3	.86	9.0	10.0	Nimb.	25.2	10.0	S.	1.3	.....	Inap.	Inap.	
S's	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.54	11.95	2.98	
M's	30.391	24.50	18.58	.804	.....	.....	.....	35.73	15.95	.....	.....	.....	.....	.....	

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT *TORONTO* IN DECEMBER, 1861.

Compiled from the Records of the Magnetic Observatory.

Day.	DAILY MEANS OF THE: Barometer reduced to 32° Fah.	Temperature of the Air.	Relative Humidity.	Amount of Cloudiness.	THERMOMETER. 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.	WIND. General Direction.	Mean Velocity in Miles per hour.	RAIN AND SNOW in 24 hours, ending at 6 A.M. next day. Rain.	Snow.	Total rain and melted Snow.	Ozone in 24 hours ending 6 A.M. of next day.	GENERAL REMARKS.
	Inches.	°	0—100	0—10	°	°	°				Inch.	Inch.	0.10	
1	.....	.....	.....	.....	29.5	25.8	.....	W.	1.87	.....	3.0	.....	.300	Faint Aurora.
2	29.5890	19.98	83	3	28.4	14.2	18.5	N. 75 W.	6.41	.....	Inap.	.....	Inap.	
3	.8268	14.25	83	1	21.0	11.4	11.5	N. 23 W.	3.84	.....	.....	.....	.....	
4	.7142	28.03	85	5	34.4	8.0	24.0	S. 42 W.	10.23	.....	.....	.....	.....	Aurora 7 30 pm.
5	.8612	34.63	77	5	40.8	26.3	25.0	N. 72 E.	2.37	Inap.	.....	.....	Inap.	
6	.9372	41.92	89	5	46.4	34.4	39.8	S. 23 E.	1.76	.....	.....	.....	.....	
7	.6740	47.92	89	10	52.0	39.5	44.0	S. 38 W.	6.37	.210	.....	.....	.210	
8	.....	Sun	day	.....	55.1	45.0	.....	S. 54 W.	0.77	.....	.....	.....	.....	
9	.5347	44.60	94	10	46.5	42.0	43.0	N. 69 E.	2.67	Inap.	.....	.....	Inap.	Foggy.
10	.3305	48.45	95	10	55.2	42.4	52.0	N. 73 W.	14.03	.100	.....	.....	.100	Heavy squalls of Wind at ni.
11	.9805	26.23	64	1	32.2	27.3	15.0	N. 40 W.	10.32	.....	.....	.....	.....	
12	30.1730	30.68	78	3	35.6	18.8	27.0	S. 54 W.	6.50	.....	.....	.....	.....	
13	30.0075	35.15	71	5	41.6	30.0	25.0	S. 55 W.	4.35	.....	.....	.....	.....	
14	29.7612	37.75	70	6	43.8	32.6	30.0	N. 76 W.	7.04	.....	.....	.....	.....	
15	.....	Sun	day	.....	38.0	28.2	.....	S. 60 W.	6.40	.....	.....	.....	.....	Distinct Lunar Halo.
16	.5905	42.45	72	8	51.0	32.0	32.0	N. 86 W.	12.46	.....	.....	.....	.....	
17	.7017	35.78	75	8	41.0	29.4	32.5	S. 12 E.	7.14	.....	.....	.....	.....	Lunar corona.
18	.7648	35.67	69	2	43.2	31.8	27.0	N. 34 W.	6.85	.....	.....	.....	.....	Lunar Halo.
19	.5205	41.78	81	10	48.0	30.2	38.0	N. 84 W.	10.83	Inap.	.....	.....	Inap.	
20	.8172	21.95	73	8	29.8	20.2	6.0	N. 44 W.	15.04	.....	0.1	.....	.010	Auroral light.
21	30.0718	16.48	74	6	23.0	12.0	13.5	S. 86 W.	6.26	.....	.....	.....	.....	
22	.....	Sun	day	.....	30.5	13.2	.....	N. 50 E.	8.52	.....	2.5	.....	.250	
23	29.3332	23.73	83	9	26.2	24.0	15.0	N. 23 W.	16.71	.....	0.5	.....	.050	
24	.7407	11.68	91	2	20.0	8.0	13.0	N. 22 W.	7.61	.....	.....	.....	.....	
25	.....	.....	.....	.....	28.4	5.5	.....	N. 78 E.	9.49	.....	.....	.....	.....	
26	.4675	33.03	91	10	41.5	18.2	30.0	S. 15 W.	14.29	.250	.....	.....	.250	
27	.8738	24.02	70	5	30.0	24.3	5.0	N. 64 W.	20.27	.....	Inap.	.....	Inap.	
28	30.0717	18.22	79	7	27.3	9.5	14.0	N. 88 E.	6.53	.....	0.6	.....	.060	
29	.....	Sun	day	.....	32.2	18.7	.....	N. 66 W.	6.15	.....	.....	.....	.....	
30	29.9017	27.22	71	9	33.2	27.5	15.0	N. 76 W.	5.24	.....	.....	.....	.....	
31	.4083	36.60	80	8	42.2	21.5	22.0	S. 42 W.	8.56	.....	.....	.....	.....	Solar halo.
S's	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.560	6.7	1.230	.....	
M's	20.7461	31.13	79	6	37.03	24.25	24.71	N. 72 W.	7.96	.....	.....	.....	.....	