

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT MONTREAL IN OCTOBER, 1862.

By Archibald Hall, M.D.

Day.	DAILY MEANS OF THE										THERMOMETER.		WIND.		RAIN AND SNOW.			GENERAL OBSERVATIONS.
	Barometer reduced to 32° at P.M.	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 Mean Force from 0 Calm to 10 Violent.	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	30.24	43.8	38.2	74	10	0	Cu. St.	54.2	35.0	E.	0.10	Inch.	Inch.	Inap.	Hoar Frost.			
2	30.058	55.2	50.0	72	8.5	9.6	Cu. St.	58.2	48.6	S.	2.0	Inap.	Inap.	Inap.	Hoar Frost.			
3	30.104	61.2	53.1	75	10.0	9.6	Nimb.	67.0	55.2	W.N.W.	0.3	Inap.	Inap.	Inap.	[Streamers]			
4	29.638	50.6	50.6	63	10.0	9.6	Nimb.	75.4	54.6	S.	0.06	Inap.	Inap.	0.06	Thunderstorm at 1 p.m. Au.			
5	30.102	63.0	40.2	53	6.0	3.5	Cu. St.	63.4	47.8	W.N.W.	2.0	0.44	0.44	0.44				
6	29.996	52.5	43.7	76	9.0	7.0	Cu. St.	58.4	41.6	S.	1.0	0.0	0.0	0.0				
7	29.719	61.4	57.5	90	10.0	10.0	Nimb.	63.3	58.0	Calm.	0.0	0.05	0.05	0.05				
8	29.678	75.7	64.7	71	7.5	1.0	Cir. St.	82.6	61.2	S.W.	2.0	0.34	0.34	0.34				
9	29.897	71.2	59.7	71	10.0	8.0	Cu. St.	83.2	63.2	W.	2.0	0.04	0.04	0.04				
10	30.111	55.0	43.1	79	10.0	7.3	Nimb.	65.2	49.0	N.N.E.	3.3	Inap.	Inap.	Inap.				
11	29.388	48.3	43.1	83	8.5	6.0	Cu. St.	54.0	41.7	N.N.W.	2.0	0.35	0.35	0.35				
12	30.194	48.3	40.7	77	8.0	2.9	Cu.	57.0	40.0	S.	3.0	0.0	0.0	0.0	Hoar Frost.			
13	29.985	50.0	43.7	81	7.5	5.0	Cu. St.	56.2	39.6	S.S.E.	2.0	0.0	0.0	0.0	Hoar Frost Auroral light.			
14	30.002	50.1	44.2	84	7.5	4.3	Cir. Cu.	59.6	39.5	S.W.	2.6	0.0	0.0	0.0				
15	30.225	38.8	28.5	67	5.5	1.3	Cir. Cu.	53.5	35.6	E.	1.0	Inap.	Inap.	Inap.				
16	29.956	21.6	37.6	87	9.0	10.0	Cu. St.	49.4	23.6	S.E.	1.6	0.0	0.0	0.0				
17	29.944	52.2	46.2	84	10.0	9.3	Cu. St.	53.0	41.2	N.W.	1.3	0.55	0.55	0.55	Ice formed on pools, this a.m.			
18	30.199	51.8	44.9	82	8.5	6.0	Cu. St.	59.7	47.6	W.S.W.	1.6	0.0	0.0	0.0				
19	29.754	47.3	40.3	85	7.5	2.0	Nimb.	56.7	44.7	W.N.W.	3.6	Inap.	Inap.	Inap.				
20	29.993	30.3	30.4	77	6.5	2.0	Cu.	45.6	32.0	W.	2.0	0.08	0.08	0.08	Ice on pools early a.m.			
21	29.531	40.5	34.3	83	10.0	10.0	Nimb.	50.5	34.6	S.	5.0	0.0	0.0	0.0	Heavy gale during day.			
22	29.310	43.2	38.5	82	10.0	10.0	Nimb.	51.7	43.5	W.N.W.	1.6	0.42	0.42	0.42				
23	30.061	38.6	30.9	76	7.5	5.3	Cu.	53.6	34.9	W.N.W.	1.3	0.23	Inap.	0.23				
24	30.007	43.9	32.0	75	10.0	10.0	Cu. St.	54.6	32.8	S.	3.6	0.0	0.0	0.0				
25	30.207	40.3	32.0	75	9.0	10.0	Cu. St.	53.4	36.3	N.N.W.	1.3	0.24	0.24	0.24				
26	30.254	34.9	30.3	88	10.0	10.0	Nimb.	38.0	31.0	N.N.E.	1.0	0.0	0.0	0.0				
27	29.894	35.7	34.3	88	10.0	6.0	Nimb.	42.2	32.0	N.W.	1.0	Inap.	8.00	1.12	Snow, sleet changing to rain.			
28	30.120	33.7	30.5	76	8.5	4.3	Cir. St.	44.0	29.8	S.S.W.	1.0	Inap.	Inap.	Inap.				
29	30.032	41.8	36.4	84	10.0	10.0	Cu. St.	46.0	34.8	S.W.	1.0	0.0	0.0	0.0				
30	30.435	42.7	37.9	87	10.0	10.0	Cu. St.	46.2	36.8	S.W.	1.3	0.07	0.07	0.07				
31	29.847	45.5	40.7	87	9.0	6.0	Cir. Cu.	53.2	39.9	W.	1.0	0.02	0.02	0.02				
S's																		
M's	29536	40.04	41.98	.803				56.74	41.75		1.12	8.00	4.01					

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT TORONTO IN OCTOBER, 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° at P.M.	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.	Ozone in 24 hours, ending at 6 A.M. of next day.		
1	29.7472	50.27	0-100	0-10	55.2	43.0	47.0	N. 60 E.	5.83	0.085	Inch.	Inch.	0.10		
2	.6067	58.47	96	10	63.2	51.4	60.0	S. 53 E.	0.65	.057		.087		Dense wetting fog.	
3	.6433	60.80	97	10	62.5	55.9	61.5	N. 78 E.	3.53	.565		.565		Bright Aurora.	
4	.4992	61.03	72	7	73.8	59.5	59.0	N. 86 W.	17.21	.072		.072		Hoar frost a.m.	
5		Sunday			60.0	40.4		N. 28 W.	3.88						
6	.5555	54.63	85	10	65.0	39.0	54.0	S. 23 W.	4.76	.185		.185		Sheet lightning at night.	
7	.3917	67.55	88	4	74.0	55.4	69.5	S. 41 W.	6.32	Inap.	Inap.				
8	.3937	69.38	77	6	76.6	64.0	63.0	S. 52 W.	10.89	.175		.175		Rainbow a.m.	
9	.7863	54.95	78	10	58.8	55.5	48.5	N. 7 W.	3.29	.030		.030		Aurora.	
10	.6338	48.42	86	10	52.8	49.8	45.0	N. 1 E.	9.53	.270		.270		Hoar frost.	
11	.7502	46.15	76	5	55.0	43.6	47.5	N. 20 W.	5.58	.050		.050		Aurora.	
12		Sunday			52.6	35.0		N. 73 E.	3.81					Hoar frost.	
13	.5758	50.10	85	6	53.4	42.0	49.5	N. 79 E.	1.30					Aurora.	
14	.6910	46.02	83	8	58.2	40.4	45.0	N. 25 W.	8.34						
15	.8213	38.92	81	10	42.0	34.8	34.5	N. 63 E.	3.43						
16	.4817	47.03	90	9	49.4	38.0	41.0	S. 44 W.	3.92	.035		.035			
17	.7038	44.98	74	3	53.5	40.8	37.0	N. 65 W.	4.78					Faint Aurora.	
18	.7882	47.70	79	2	61.2	33.0	49.5	S. 25 W.	5.08						
19		Sunday			55.0	45.2		N. 61 W.	13.76	.020		.020			
20	.6150	42.78	76	8	51.8	29.5	39.0	S. 21 W.	9.09						
21	.1163	43.77	87	10	51.8	43.4	47.5	S. 56 W.	7.40	.635		.635		Very severe thunderstorm 8 to 9 p.m. large quantities of hail.	
22	.3430	42.77	76	8	48.2	40.2	36.0	N. 67 W.	16.57	Inap.	Inap.				
23	.5855	33.23	83	5	45.0	33.2	31.5	S. 83 W.	4.80	0.0		0.0			
24	.6628	47.45	77	10	56.0	34.5	46.5	S. 79 E.	11.67	.100		.100			
25	.9735	35.37	85	10	39.0	36.0	31.5	N. 12 W.	6.50	Inap.	Inap.			Particles of snow.	
26		Sunday			31.8	29.0		N. 14 E.	5.57		0.5	.050		Slight snow.	
27	.5402	34.77	83	6	45.0	26.2	30.5	N. 47 W.	3.82						
28	.6478	40.43	86	10	45.4	31.5	39.0	S. 14 E.	3.29	.315		.315		Lunar halo.	
29	.7022	42.13	83	6	49.0	40.0	39.0	N. 88 W.	7.33	Inap.	Inap.				
30	.6472	44.75	79	3	53.5	32.8	45.0	S. 24 W.	3.70	Inap.	Inap.				
31	.5188	51.17	71	1	59.0	40.8	46.0	S. 42 W.	6.42					Indian Summer.	
S's															
M's	29.6188	48.70	82	7	54.80	41.43	46.15	N. 78 W.	6.52	2.681	0.5	2.734			