

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT MONTREAL IN SEPTEMBER, 1861.
By Archibald Hall, M.D.

Day.	DAILY MEANS OF THE							THERMOMETER.		WIND.			RAIN AND SNOW.			GENERAL OBSERVATIONS.	
	Barometer reduced to 32° F.	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 Calm to 10 Volent Hurricane.	W.V. of rain read at 12 M.	Snow in 24 hrs read at 10 A.M.	Total rain and melted snow.				
						Amount.	General description.										
1	30.145	80.9	56.3	.90	0.10	0.10	0.3	Cu.	68.5	52.0	N.E.	0.10	Inch.	Inch.	Inch.		
2	29.996	64.7	60.9	.89	7.5	10.0	4.3	Cu. St.	70.3	54.5	S.E.	1.3	Inap.				
3	29.769	69.4	66.0	.90	7.5	4.3	4.3	Cu. St.	77.6	64.6	W.	2.6	0.30			[with hail	
4	30.051	63.3	59.2	.91	5.5	1.3	3.0	Cu. St.	70.3	63.2	W.	2.3	0.08			[this morning	
5	30.004	61.0	56.8	.89	7.5	4.6	4.6	Cu. St.	70.3	50.9	W.S.W.	1.6				Thunderstorm from W.N.W.	
6	29.690	65.0	62.8	.88	8.5	7.0	4.0	Cu. St.	74.2	57.9	S.S.W.	2.3				Hoar frost at the Mountain	
7	30.014	61.0	51.7	.86	5.5	3.3	3.3	Cir. Cu.	66.2	54.4	W.	2.0	0.29			Thunderstorm W.S.W. Hall.	
8	30.293	56.8	46.9	.74	4.5	2.0	2.0	Cu.	62.9	49.6	W.N.W.	2.3					
9	30.307	57.4	49.8	.78	5.5	5.3	3.0	Cu.	62.8	50.2	S.W.	0.6					
10	30.199	61.0	55.2	.85	5.0	5.6	4.0	Cu. St.	68.8	53.4	S.S.W.	1.6				[dicularly.	
11	29.837	56.6	52.7	.91	9.5	10.0	10.0	Nimb.	59.5	53.8	E.	2.3	0.02			Meteor in S. falling perpen-	
12	29.795	61.6	57.7	.89	7.0	5.3	3.0	Cu. St.	66.0	53.8	W.S.W.	1.6	0.44			Faint Auroral light.	
13	29.949	64.7	59.3	.88	4.5	3.0	3.0	Cu. St.	72.4	53.5	S.W.	1.3					
14	30.000	68.5	64.3	.90	8.0	9.6	3.0	Cu.	77.0	59.2	S.S.W.	1.6					
15	29.920	66.6	62.3	.91	3.5	4.3	3.0	Cu.	75.2	57.5	W.N.W.	2.3	0.30			Aurora with streamers.	
16	30.102	55.3	50.6	.89	5.0	3.6	3.6	Cir. St.	75.2	47.0	E.N.E.	1.0					
17	29.941	61.7	56.9	.87	6.0	6.6	4.0	Cu. St.	65.0	51.5	W.S.W.	1.6					
18	29.880	63.6	59.3	.89	4.0	4.6	4.0	Cu. St.	72.1	51.0	S.W.	1.0					
19	29.697	70.5	67.3	.92	8.0	10.0	10.0	Cu. St.	77.5	58.5	S.S.W.	2.3				[with heavy rain.	
20	29.949	59.1	56.1	.93	7.2	7.0	7.0	Cu. St.	73.9	56.7	N.N.E.	2.6	Inap.			High wind during night	
21	29.788	47.7	45.6	.95	10.0	10.0	10.0	Nimb.	56.0	45.6	N.N.E.	5.3	1.83			Gale during day.	
22	29.880	47.9	47.0	.95	10.0	10.0	10.0	Nimb.	52.2	44.2	N.N.E.	1.6	0.07				
23	29.784	54.6	50.7	.91	10.0	10.0	10.0	Nimb.	59.0	46.0	W.S.W.	1.0	0.05				
24	30.005	52.4	52.4	.89	2.5	0.0	0.0		62.2	43.0	W.	1.0					
25	30.052	57.5	53.1	.87	3.0	0.3	0.3	Strat.	67.3	45.0	S.	1.6					
26	29.831	64.6	60.8	.91	2.5	2.5	2.5	Strat.	70.9	51.8	S.	1.6					
27	29.555	61.6	59.1	.95	10.0	10.0	10.0	Nimb.	66.2	56.7	S.	1.6	0.10			Heavy gale during night.	
28	29.690	60.2	56.5	.89	10.0	8.3	3.0	Cu. St.	70.2	55.0	W.	4.3	0.70				
29	30.238	47.2	42.3	.87	8.5	4.0	4.0	Cu.	54.7	40.5	W.	2.0	0.21				
30	30.435	46.5	40.0	.81	7.5	3.6	3.6	Strat.	50.8	41.0	S.	1.3	Inap.			[ing	
S's																	Hoar frost early this morn-
M's	29.951	60.57	55.40	.812					69.43	54.07			4.39				

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT TORONTO IN SEPTEMBER, 1861.
Compiled from the Records of the Magnetic Observatory.

Day.	DAILY MEANS OF THE					THERMOMETER.		Dew Point at 3 P.M.	WIND.		RAIN AND SNOW in 24 hours, ending at 6 A.M. next day.			GENERAL REMARKS.			
	Barometer reduced to 32° Fah.	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.	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	Inches.	0-100	0-10	0	0	0	0										
2	29.5660	69.83	81	3	69.2	52.2	71.5	S. 88 E.	4.70	Inap.							
3	.6110	66.77	70	3	78.0	61.2	71.5	S. 88 E.	8.33	.002				{ Thunder during afternoon			
4	.8040	58.55	71	5	78.8	61.5	62.0	N. 30 W.	10.21	.070				{ Auroral light at night.			
5	.5885	61.28	77	6	65.8	52.2	50.0	N. 30 W.	4.47					Faint Auroral light at night.			
6	.4182	63.37	69	3	69.2	50.2	57.0	E. 18 E.	9.02					Faint Auroral light.			
7	.7878	55.47	75	7	75.0	56.0	55.0	N. 20 W.	7.20								
8		Sunday			64.8	47.2		S. 66 E.	9.88	Inap.							
9	.9483	57.63	77	8	64.4	54.8	56.0	N. 17 E.	2.58	Inap.							
10	.7825	59.58	81	10	64.0	53.2	55.5	N. 80 E.	1.98	Inap.							
11	.4075	61.17	90	8	63.4	58.0	58.0	N. 9 W.	4.17	.345							
12	.5602	60.73	74	5	70.4	56.8	50.0	N. 66 W.	3.55	.030							
13	.6833	63.33	75	4	73.0	49.0	63.0	S. 18 W.	3.12								
14	.6083	65.07	90	7	68.0	58.5	65.0	S. 41 W.	2.77					Lunar Halo.			
15		Sunday			75.0	58.2		N. 27 W.	2.95	.115							
16	.7470	56.33	73	8	63.0	50.0	51.0	N. 78 E.	2.98					Brilliant Auroral display.			
17	.5713	55.93	74	6	63.0	53.6	52.0	N. 15 E.	4.29								
18	.5665	60.43	81	0	68.0	49.5	59.5	S. 19 W.	5.85	Inap.							
19	.4862	66.93	69	8	74.8	53.0	68.0	S. 62 W.	7.23								
20	.4665	57.73	88	10	61.2	56.0	56.5	N. 44 E.	8.29	Inap.				Solar Halo at 7 a.m.			
21	.5287	52.03	84	8	55.2	50.6	49.0	N. 4 W.	8.44	.895				{ Thunder Storm during			
22		Sunday			62.2	39.0		N. 57 W.	6.74	.043				{ Greenoon.			
23	.5675	56.03	79	1	68.8	47.2	56.0	N. 67 W.	8.24					First hoar frost of season.			
24	.7252	55.00	76	2	64.8	45.5	48.0	S. 1 W.	1.94								
25	.6032	61.15	81	4	69.8	47.8	60.0	S. 25 E.	2.17					Faint Auroral light.			
26	.3783	62.72	82	8	72.0	59.8	62.0	S. 36 W.	5.13								
27	.2307	52.53	88	10	59.2	53.0	51.0	N. 44 W.	7.06	1.175				Very heavy rain storm.			
28	.4380	47.58	80	6	56.5	46.4	45.0	S. 85 W.	7.75	.020				Rainbow at 5 p.m.			
29		Sunday			54.5	37.1		S. 82 W.	3.29	.057				Thin ice at 6 a.m.			
30	30.0847	48.95	81	9	55.0	46.4	45.0	N. 46 E.	2.03								
S's																	
M's	29.684	59.04	79	6	66.38	51.80	55.90	N. 72 W.	4.81	3.607							