

# ABSTRACT FOR THE MONTH OF DECEMBER, 1902.

Meteorological Observations, McGill College Observatory, Montreal, Canada. Height above sea level, 187 feet. C. H. McLEOD, Superintendent.

DAY	THERMOMETER.				* BAROMETER.				† Mean relative humidity.	WIND.*		‡ Per cent. possible Sunshine.	§ Rainfall in inches.	¶ Snowfall in inches.	‡ Rain and snow melted.	DAY.
	† Mean.	Max.	Min.	Range.	† Mean.	Max.	Min.	Range.		General direction.	Mean velocity in miles per hour.					
1	30.2	33.4	-6.0	7.4	30.86	29.94	29.81	-.13	84	W.						
2	28.1	30.5	-5.8	4.7	29.89	29.94	29.89	-.14	87	N.E.	11.5	35	....	0.0	0.00	1
3	26.9	30.3	-3.0	7.3	29.55	29.84	29.38	-.46	97	N.E.	7.8	03	....	2.8	0.11	2
4	17.0	29.6	11.0	18.6	29.95	30.05	29.64	-.41	79	N.W.	15.3	03	0.13	3.6	0.53	3
5	8.6	18.6	3.9	12.7	29.99	30.19	29.89	-.21	71	N.W.	14.5	28	....	0.2	0.04	4
6	6.1	11.5	2.3	9.5	30.32	30.42	30.20	-.32	75	N.W.	12.7	06	....	....	....	5
											6.5	63	....	....	....	6
SUNDAY.....	5.6	11.0	2.8	8.2	30.06	30.40	29.82	-.58	84	N.E.	8.6	02	....	2.7	0.30	7.....SUNDAY
8	-0.8	11.0	-16.0	27.0	30.01	30.27	29.86	-.41	61	S.W.	21.9	25	....	0.5	0.05	8
9	-12.0	-5.2	-20.0	14.8	30.38	30.45	30.27	-.18	47	S.W.	14.3	100	....	....	....	9
10	12.8	31.2	-3.5	40.7	29.93	30.38	29.61	-.77	77	S.W.	13.0	00	....	7.3	0.53	10
11	4.4	22.6	0.1	22.5	30.29	30.38	30.06	-.32	62	E.	8.0	37	....	....	....	11
12	-1.0	4.0	-3.0	9.0	30.45	30.54	30.33	-.21	69	N.E.	4.7	29	....	....	....	12
13	-11.5	3.2	-7.7	10.9	30.45	30.54	30.37	-.17	69	N.E.	7.3	02	....	....	....	13
SUNDAY.....	-0.1	4.2	-10.7	14.9	30.62	30.69	30.47	-.21	61	S.W.	7.6	100	....	....	....	14.....SUNDAY
15	7.5	10.9	-0.5	11.4	30.71	30.80	30.52	-.28	76	N.E.	4.9	02	....	....	....	15
16	29.6	38.2	0.0	29.2	30.01	30.52	29.74	-.78	91	S.W.	10.7	03	0.24	1.2	0.42	16
17	31.9	38.5	28.6	9.9	29.64	29.74	29.57	-.17	85	S.W.	20.4	05	....	0.7	0.06	17
18	28.3	34.0	18.7	15.3	29.65	29.85	29.53	-.33	85	S.W.	20.1	74	....	0.8	0.04	18
19	26.6	35.3	18.4	16.9	29.82	29.09	29.64	-.45	85	S.W.	13.2	07	0.00	0.1	0.00	19
20	12.4	26.4	8.0	18.4	30.43	30.54	30.09	-.45	76	N.E.	6.5	100	....	....	....	20
SUNDAY.....	20.0	35.2	9.3	25.9	30.23	30.59	29.79	-.71	94	N.E.	9.1	00	0.93	0.1	0.94	21.....SUNDAY
22	34.3	39.3	21.4	14.9	29.76	30.06	29.58	-.48	87	S.W.	19.3	00	0.13	....	0.13	22
23	14.3	28.9	7.3	21.4	30.29	30.45	29.96	-.39	75	N.W.	10.5	25	....	....	....	23
24	8.2	11.8	4.2	7.3	30.31	30.44	30.14	-.31	62	N.E.	7.3	64	....	....	....	24
25	14.1	19.8	8.5	14.3	30.05	30.14	29.97	-.15	80	N.E.	13.5	00	....	0.5	0.05	25
26	20.0	21.8	17.5	4.3	29.92	30.00	29.87	-.13	95	N.E.	20.9	00	....	4.8	0.49	26
27	19.1	22.0	15.0	6.0	29.79	29.88	29.71	-.17	92	N.E.	14.4	00	....	4.4	0.39	27
SUNDAY.....	9.9	18.7	6.2	12.5	29.93	30.01	29.83	-.18	73	S.W.	14.2	53	....	0.1	0.01	28.....SUNDAY
29	24.5	22.2	7.2	25.0	29.94	30.08	29.79	-.29	93	S.W.	9.4	13	....	1.5	0.19	29
30	27.8	32.1	22.5	9.6	30.00	30.08	29.90	-.18	87	S.W.	17.9	01	....	....	....	30
31	26.9	30.0	22.8	7.2	30.13	30.18	30.07	-.11	85	S.W.	22.3	00	....	....	....	31
Means.....	15.57	22.78	8.12	14.67	30.075	30.237	29.912	-.315	80.3	N.E. & W.	11.01	74.5	1.43	31.3	4.25	.....Sums.
28 Years means for and including this month.....	19.10	26.09	11.97	14.11	30.031	.....	.....	-.296	83.3	....	15.94	7	1.38	23.59	3.67	{ 28 Years means for and including this month.

### ANALYSIS OF WIND RECORD.†

Direction.....	N	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	CALM.
Miles.....	516	2679	249	156	120	4933	676	1320	
Duration in hrs..	54	172	53	24	24	236	63	99	19
Mean velocity....	9.6	15.3	4.7	6.5	5.0	17.1	10.7	13.3	

Greatest mileage in one hour was 89 on the 22nd.  
Greatest velocity in gusts was 48 on the 22nd.

Resultant mileage, 2,200.  
Resultant direction, N 81° W.

† The wind records are from the instruments on the tower of the City Hall, Montreal.

Total mileage, 2,633.  
\* Barometer readings reduced to sea-level and temperature 32° Fahrenheit.  
† Mean of bi-hourly readings taken from self-recording instruments.  
‡ Humidity relative, saturation being 100%. Mean of observations at 8, 15 and 20 hours.  
§ 21 years only. ¶ 16 years only.  
The greatest heat was 39.3 above zero on the 22nd. The greatest cold was 20.0 below zero on the 9th, giving a range of temperature of 59.3.  
Warmest day was the 22nd. Coldest day was the 9th.  
Highest barometer reading was 30.0 on the 15th. Lowest barometer was 29.58 on the 2nd, giving a range of 1.42 inches.  
Minimum relative humidity observed was 39 on the 9th.  
Rain fell on 5 days. Snow fell on 17 days.  
Rain and snow on 4 days.  
No. inches snow on ground 18.