

VII. Monthly Report on Meteorology of the Province of Ontario.

I. ABSTRACT OF MONTHLY METEOROLOGICAL RESULTS, compiled from the Returns of the daily observations at ten High School Stations, for NOVEMBER, 1873.

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STATION.	ELEVATION. a	BAROMETER AT TEMPERATURE OF 32° FAHRENHEIT										TEMPERATURE OF THE AIR										TENSION OF VAPOUR																	
		MONTHLY MEANS.					HIGHEST.	LOWEST.		RANGE. Greatest in 24 hours.	MONTHLY MEANS.					DAILY RANGE.	HIGHEST.	LOWEST.	WARM- EST DAY.	COLD-EST DAY.	MONTHLY MEANS.																		
		7 A.M.	1 P.M.	9 P.M.	MEAN.	Date.		7 A.M.	1 P.M.		9 P.M.	MEAN.	Mean Maximum.	Mean Minimum.	Mean Range.						Greatest.	Date.	Least.	Date.	Reading.	Date.	Mean Temp.	Mean Temp.											
North Latitude a	Above the Lake.	Above the Sea.	West Longitude a	Inches	Date.	Highest.	Date.	Reading.	Date	Monthly.	Greatest in 24 hours.	Date.	7 A.M.	1 P.M.	9 P.M.	MEAN.	Mean Maximum.	Mean Minimum.	Mean Range.	Greatest.	Date.	Least.	Date.	Reading.	Date.	Mean Temp.	Date.	Mean Temp.	A.M.	1 P.M.	9 P.M.	MEAN.							
Pembroke.. 45° 50' 77' 10	423																																						
Cornwall.. 45° 0' 74° 50' 137	175	29.6725	29.6429	29.7097	29.6750	30.221	9 p.m.	29.28	819	1 p.m.	18	1.402	0.69	23	24	30.59	27.06	27.23	23.04	29.85	14.20	15.65	31.9	4	8.0	24	49.3	3	4	41.90	26	9.20	108	120	112	112			
Barrie .. 44° 25' 70° 45' 59	779	28.829	28.796	28.885	28.837	29.476	9 p.m.	29.28	193	1 p.m.	18	1.222	0.704	4	5	23.03	30.70	24.56	26.13	41.06	19.94	21.12	33.3	4	8.5	17	54.9	4	42.53	27	15.03	125	145	126	132				
Peterboro'.. 44° 20' 78° 25'	670	29.1257	29.1247	29.1710	29.1404	29.679	9 p.m.	29.28	457	1 p.m.	18	1.222	0.522	7	8	23.35	28.39	22.75	24.83	31.59	13.68	15.03	32.6	4	9.1	13	52.6	4	41.06	26	7.63	118	117	105	113				
Belleville .. 44° 10' 77° 52' 72	307	29.5688	29.5414	29.5939	29.5680	30.086	9 p.m.	29.28	859	1 p.m.	18	1.197	0.539	7	8	22.70	29.64	25.42	25.92	32.39	18.06	14.38	32.1	5	7.0	26	60.6	122	154	137	138	137	138						
Godfrich .. 43° 45' 81° 42'	715	29.1213	29.1294	29.1430	29.1282	30.716	9 p.m.	29.28	503	1 p.m.	18	1.153	0.61	27	28	27.84	32.04	29.18	29.68	34.94	24.75	10.19	21.5	4	3.6	11	48.1	4	44.50	26	20.60	135	154	144	144				
Stratford .. 43° 35' 80° 58'	1182	28.5931	28.5683	28.6281	28.6050	29.185	9 p.m.	29.28	025	1 p.m.	18	1.160	0.60	27	28	27.84	32.04	29.18	29.68	34.94	24.75	10.19	21.5	4	5.9	20	47.0	4	39.57	29	16.70	124	130	124	136				
Hamilton .. 43° 12' 79° 50'	324	29.5329	29.5246	29.5563	29.5372	30.569	7 a.m.	29.28	853	1 p.m.	18	1.171	0.779	28	29	28.33	34.6	29.09	30.67	38.97	21.66	17.01	30.3	4	4.5	29	56.3	4	6.7	28	49.6	4	45.26	26	19.26	135	165	144	148
Simcoe .. 42° 51' 80° 14' 150	716	28.925	28.9740	28.9327	28.9627	29.505	9 p.m.	29.28	371	7 a.m.	18	1.134	0.521	9	27	13.40	30.31	32.48	43.79	19.65	24.14	36.0	1	10.0	27	57.8	4	50.93	29	17.66	126	209	144	160					
Windsor .. 42° 20' 83° 00'	620	29.2904	29.2834	29.3134	29.2957	29.924	7 a.m.	29.28	692	7 a.m.	18	1.232	0.608	27	28	28.07	35.28	30.53	31.29	37.56	23.52	14.04	25.6	4	5.8	24	57.5	4	40.10	29	13.97	126	136	145	136				
Approximation	On Lake Simcoe.																																						
	On Lake Huron.																																						
	Near Lake Ontario on Bay of Quinte.																																						
	On St. Lawrence.																																						
	On Lake Ontario on Bay of Quinte.																																						
	On Lake Huron.																																						
	On Lake Ontario.																																						
	On the Ottawa River.																																						
	Close to Lake Erie.																																						
	On the Detroit River.																																						
	Inland Towns.																																						

Approximation. a On Lake Simcoe. e Near Lake Ontario on Bay of Quinte. f On St. Lawrence. g On Lake Huron. A On Lake Ontario. i On the Ottawa River. Close to Lake Erie. m On the Detroit River. n Inland Towns.

STATION.	HUMIDITY OF AIR.		WINDS. NUMBER OF OBSERVATIONS.										ESTIMATED δ VELOCITY OF WIND.				AMOUNT OF CLOUDINESS.				RAIN.				SNOW.				Total Depth of Rain and Melted Snow.				AURORAS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	MONTHLY MEANS.		SURFACE CURRENT.					MOTION OF CLOUDS. α					MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	7 A.M.	9 P.M.	North.	East.	South-East.	South.	West.	North-West.	Imperfect.	Clear.	Total.	7 A.M.	1 P.M.	9 P.M.	MEAN.	7 A.M.	1 P.M.	9 P.M.	MEAN.	7 A.M.	1 P.M.	9 P.M.	No. of Rainy Days.	Duration in hours.	Depth in inches.	No. of Snowy Days.	Duration in hours.	Depth in inches.	Class I.	Class II.	Class III.	Class IV.	Sky unfavorable, obs. doubtful.	Sky unfavorable, obs. impossible.	Sky favorable, none seen.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Pembroke	57	79	85	84	4	19	4	7	10	13	11	7	75	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

a Where the clouds have contrary motions, the higher current is entered here.

b Velocity is estimated, 0 denoting calm or light air; 10 denoting very heavy hurricane.

c 10 denotes that the sky is covered with clouds; 0 denotes that the sky is quite clear of clouds.

* Record of rain at Peterborough incomplete this month owing to an accident.

REMARKS.

PETERBOROUGH.—Wind storms, 3rd, 4th, 25th, 27th. Fog, 8th. Snow, 3rd, 10th, 12th, 13th, 15th—18th, 20th, 21st, 24th, 25th, 27th—29th. Rain, 2nd, 8th. Circle round the moon, 3rd, 6th, 26th. Auroras, 22nd, 25th. Sleighting, 17th.

CORNWALL.—Lunar halo, 5th. First sleighing, 12th. Dry bulb thermometer lower than wet, 20th. Navigation closed, 22nd. Wind storms, 4th, 18th, 24th. Fog, 20th. Snow, 11th—29th. Rain, 3rd, 8th. Winter unusually early and severe.

GODFRICH.—Snow, 1st, 9th—14th, 19th, 21st—28th. Rain, 2nd, 7th, 8th, 16th. STRATFORD.—Wind storms, 11th. Fog, 14th. Snow, 1st, 2nd, 8th, 9th, 11th, 16th, 19th—21st, 23rd—28th. Rain, 2nd, 8th, 16th. Mill pond frozen, 7th. Difference of monthly mean temperature from average (November) of 12 years—7° 38.

BELLEVILLE.—Snow, 1st, 3rd, 8th, 11th—15th, 21st—24th, 27th. Rain, 2nd, 7th, 8th.