

V. 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 DECEMBER, 1872.

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STATION.	North Latitude & West Longitude.	BAROMETER AT TEMPERATURE OF 32° FAHRENHEIT.										TEMPERATURE OF THE AIR										TENSION OF VAPOUR.																																																					
		ELEVATION.		MONTHLY MEANS.		HIGHEST.	LOWEST.		RANGE.		MONTHLY MEANS.		DAILY RANGE.		HIGHEST.	LOWEST.		WARM-EST DAY.		COLDEST DAY.	MONTHLY MEANS.																																																						
		Above the Lake.	Above the Sea.	7 A.M.	1 P.M.	9 P.M.	MEAN.	Highest.	Date.	Reading.	Date.	Monthly.	Greatest in 24 hours.	Date.	Mean Maximum.	Mean Minimum.	DAILY RANGE.		Reading.	Date.	Monthly Range.	Date.	Mean Temp.	Date.	Mean Temp.	A.M. 1 P.M. 9 P.M. MEAN.	MONTHLY MEANS.																																																
																	Greatest.	Least.										Date.																																															
Pembroke..	45° 50' 77' 10"	425	29.524	29.335	29.333	29.308	29.804	9 p.m.	24	28.808	9 p.m.	12	1.001	1.86	4	7.0	14.6	9.6	10.41	20.0	-0.40	20.40	38.0	23	9.3	17	38.7	13	-83.0	25	76.7	12	26.37	25	-22.23	.062	.091	.071	.075																																				
Cornwall..	45° 0' 74° 50' 137	176	29.562	29.342	29.379	29.521	30.362	7 a.m.	25	29.297	9 p.m.	2	1.065	867	19	20	9.80	15.07	10.36	11.74	19.69	1.01	18.88	35.0	23	7.0	27	38.3	8	-28.5	25	66.8	3	33.13	24	-15.80	.071	.080	.072	.074																																			
Barrie....	44° 25' 79° 45'	779	29.002	29.003	29.001	29.041	29.627	9 p.m.	24	28.393	1 p.m.	2	1.234	863	19	20	13.38	19.15	14.88	15.81	23.95	8.17	20.78	39.5	9	9.7	3	39.1	7	-24.8	24	-25.63	2	31.90	24	-10.83	.081	.093	.083	.087																																			
Peterboro'.	44° 20' 78° 25'	670	29.303	29.290	29.304	29.295	29.704	9 p.m.	24	28.781	1 p.m.	2	1.463	733	19	20	9.50	15.64	13.01	14.04	20.79	1.79	19.0	35.7	12	5.8	3	38.7	9	-23.2	25	65.9	2	34.93	24	-13.30	.070	.080	.080	.080																																			
Belleville.	44° 10' 77° 52'	307	29.723	29.724	29.718	29.738	29.186	9 p.m.	24	29.174	1 p.m.	2	1.012	723	24	25	11.16	16.49	15.67	22.61	7.60	15.01	20.3	12	6.0	14	39.7	9	-17.9	25	57.6	2	33.66	24	-10.93	.081	.101	.094	.092																																				
Goderich..	43° 45' 81° 42'	715	29.308	29.305	29.305	29.304	29.713	1 p.m.	30	28.687	1 p.m.	2	1.026	707	19	20	18.88	21.95	19.55	20.13	25.65	13.96	12.0	20.6	15	7.0	4	37.2	15	-12.6	22	49.8	14	31.80	24	67	.083	.092	.088	.089																																			
Stratford..	43° 25' 80° 58'	1182	29.746	29.737	29.737	29.715	29.143	1 p.m.	24	28.175	1 p.m.	2	1.088	842	19	20	18.07	18.35	15.48	15.83	21.98	7.43	14.50	28.8	30	3.8	28	34.6	15	-17.0	22	51.6	2	29.97	24	20	.082	.088	.085	.085																																			
Hamilton..	43° 12' 79° 50'	324	29.704	29.681	29.693	29.685	29.168	1 p.m.	24	29.078	7 a.m.	20	1.080	924	19	20	16.9	22.55	19.81	19.70	26.66	18.57	13.06	24.3	15	6.1	3	41.8	8	-11.0	22	52.3	14	32.96	24	1	.088	.101	.094	.094																																			
Simcoe....	42° 51' 80° 14' 150	716	29.149	29.131	29.138	29.137	29.522	7 a.m.	25	28.564	1 p.m.	2	.958				16.91	23.05	19.13	19.68	29.58	10.33	19.25	82.0	10	6.2	4	40.9	1	-23.5	23	64.4	2	34.33	24	-4.93	.085	.078	.097	.087																																			
Windsor...	42° 20' 83° 00'	620	29.497	29.463	29.490	29.482	29.884	7 a.m.	24	28.866	1 p.m.	2	1.018	708	19	20	16.75	22.0	17.0	18.28	24.94	8.79	16.15	31.5	23	4.1	3	40.2	14	-21.0	22	61.2	2	35.70	24	-8.07	.080	.089	.088	.086																																			
Approximation.		40N	Lake Simcoe.	eNear Lake Ontario on Bay of Quinte.										fOn St. Lawrence.										gOn Lake Huron.										h On Lake Ontario.										i On the Ottawa River.										j Close to Lake Erie.										m On the Detroit River.										k Inland Towns.	

Approximation. a On Lake Simcoe. c Near Lake Huron. g On Lake Ontario. i On the Ottawa River. l Close to Lake Erie. m On the Detroit River. n Inland Towns.

STATION.	HUMIDITY OF AIR.	WINDS. NUMBER OF OBSERVATIONS.				ESTIMATED VELOCITY OF WIND.				AMOUNT OF CLOUDINESS.				RAIN.				SNOW.				AURORAS.			
		SURFACE CURRENT.		MOTION OF CLOUDS. a		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.	
		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.	MEAN.	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.	MEAN.
Pembroke.	85	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
Cornwall.	87	81	87	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
Barrie.	88	85	84	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
Peterborough.	88	79	85	82	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
Belleville.	88	83	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
Goderich.	80	74	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
Stratford.	82	83	88	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
Hamilton.	88	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
Simcoe.	83	88	82	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
Windsor.	80	71	83	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78

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

REMARKS.

PEMBROKE.—Snow, 1st, 2nd, 4th, 5th, 9th, 11th, 12th, 17th, 25th, 31st. Christmas 4° colder than any day in 1871.

CORNWALL.—Wind storm, 20th. Snow, 2nd, 3rd—6th, 8th, 10th, 12th—14th, 16th, 23rd, 26th, 31st. Rain, 3rd.

BARRIE.—Wind storm, 21st. Snow, 2nd—5th, 7th, 8th, 10th, 13th, 14th, 16th, 18th—20th, 23rd, 25th—28th, 30. Kempenfeldt Bay froze

over on the night of 11th—12th.

PETERBOROUGH.—Circle round moon, 13th, 14th. Wind storm, 14th (night). Fogs, 16th, 17th. Snow, 2nd, 3rd, 5th, 6th, 9th, 10th, 11th—14th, 16th, 18th—23rd, 26th—30th. Rain, 1st, 7th. Sleeting began on the 3rd, and continued good till the close of the month.

BELLEVILLE.—Snow, 2nd, 5th, 6th, 13th, 14th, 18th—23rd, 26th, 31st.

31st. Rain, 2nd, 8th. Observer notes the considerable barometric changes; heavy falls of snow; low temperature during week ending 28th, and low average for month.

GODERICH.—Wind storms, 23rd, 27th. Snow, 2nd, 6th—11th, 18th—20th, 28th, 29th. Rain, 2nd.

STRATFORD.—Parchelia, 2nd. Wind storms, 7th, 14th, 21st, 22nd, [Continued on preceding page.]