

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

1. ABSTRACT OF MONTHLY METEOROLOGICAL RESULTS, compiled from the Returns of the daily observations at ten High School Stations, for July, 1872.

OBSERVERS:—*Pembroke*—R. G. Scott, Esq., M.A.; *Cornwall*—James Smith, Esq., A.M.; *Barrie*—H. B. Spotton, Esq., M.A.; *Peterborough*—J. B. Dixon, Esq., M.A.; *Belleville*—A. Burdon, Esq.; *Goderich*—Hugh J. Strang, Esq., B.A.; *Stratford*—C. J. Macgregor, Esq., M.A.; *Hamilton*—J. M. Buchanan, Esq., M.A.; *Simcoe*—Dion C. Sullivan, Esq., LL.B.; *Windsor*—J. Johnston, Esq., B.A.

STATION.	BAROMETER AT TEMPERATURE OF 32° FAHRENHEIT.			TEMPERATURE OF THE AIR.												TENSION OF VAPOUR.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	Eleva- tion. <i>a</i>	MONTHLY MEANS.		HIGHEST.	LOWEST.	RANGE.		MONTHLY MEANS.		Mean Minimum.	Mean Range.	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.			Monthly.	Greatest in 24 hours.		Date.	7 A.M.	1 P.M.	9 P.M.			MEAN.	Greatest.	Least.	Date.	Reading.	Date.	Monthly Range.	Mean Temp.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
																													Date.	Mean Temp.	Date.	Mean Temp.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
North Latitude. <i>a</i>	West Longitude. <i>a</i>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			</

Approximation. ^dOn Lake Simcoe. ^eNear Lake Ontario on Bay of Quinte. ^fOn St. Lawrence. ^gOn Lake Huron. ^hOn Lake Ontario. ⁱOn the Ottawa River. ^jClose to Lake Erie. ^mOn the Detroit River. ^kInland Towns.

STATION.	HUMIDITY OF AIR.	WINDS. NUMBER OF OBSERVATIONS.		ESTIMATED VELOCITY OF WIND.		AMOUNT OF CLOUDINESS.		RAIN.		SNOW.		AURORAS.	
		SURFACE CURRENT.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.	
		North-East.	North-West.	7 A.M.	9 P.M.	7 A.M.	9 P.M.	7 A.M.	9 P.M.	7 A.M.	9 P.M.	7 A.M.	9 P.M.
<i>Pembroke</i>	97	11	112	27	7	444	81	12	16	13	15	5	5
<i>Cornwall</i>	85	6	1	3	6	37	721	81	12	16	13	15	5
<i>Barrie</i>	82	6	1	3	6	37	721	81	12	16	13	15	5
<i>Peterborough</i>	90	6	1	3	6	37	721	81	12	16	13	15	5
<i>Belleville</i>	86	6	1	3	6	37	721	81	12	16	13	15	5
<i>Goderich</i>	88	6	1	3	6	37	721	81	12	16	13	15	5
<i>Stratford</i>	83	6	1	3	6	37	721	81	12	16	13	15	5
<i>Hamilton</i>	86	6	1	3	6	37	721	81	12	16	13	15	5
<i>Simcoe</i>	84	6	1	3	6	37	721	81	12	16	13	15	5
<i>Windsor</i>	76	6	1	3	6	37	721	81	12	16	13	15	5

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

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

REMARKS.

Pembroke.—Lightning and thunder with rain, 16th, 23rd, 27th. Rain, 2nd, 3rd, 10th, 12th, 16th, 17th, 23rd, 26th, 27th, 29th. Thunder, 11th, 18th, 21st, 26th, 29th. Lightning with thunder, 8th. Thunder with rain, 10th, 17th, 29th. Lightning and thunder with rain, 1st, 2nd, 3rd, 12th, 16th, 24th, 26th, 28th. Lightning and thunder with rain, 1st, 13th, 17th, 18th, 22nd, 25th, 27th, 29th, 30th. *Barrie*.—Lightning and thunder with rain, 2nd, 3rd, 15th, 16th. Hurricane on 3rd; trees blown down and crops much damaged. *Cornwall*.—Thunder, 22nd. Lightning with thunder, 8th. Thunder with rain, 10th, 17th, 29th. Lightning and thunder with rain, 1st, 2nd, 3rd, 12th, 16th, 24th, 26th, 28th. Lightning and thunder with rain, 1st, 13th, 17th, 18th, 22nd, 25th, 27th, 29th, 30th. *Goderich*.—Lightning, 1st, 2nd. Wind-storm, 3rd. Rain, 3rd, 7th, 9th, 10th, 16th, 17th, 21st, 23rd, 26th, 29th, 30th. *Stratford*.—Lightning, 2nd, 9th, 10th, 28th. Thunder, 10th. Lightning with thunder, 7th. Lightning and thunder with rain, 3rd, 16th. Wind-storm, 21st, 26th. Rain, 3rd, 11th, 16th, 18th, 21st, 23rd, 29th, 30th. Excess of mean monthly temperature over average of 11 years, +2° 5'. *Hamilton*.—Lightning, 2nd, 28th, 31st. Thunder, 30th. Lightning