

VIII. 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 Grammar School Stations, for May, 1869.

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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.		MONTHLY MEANS.		MEAN RANGE.		DAILY RANGE.		HIGHEST.		LOWEST.	
		7 A.M.	1 P.M.			7 A.M.	1 P.M.	7 A.M.	1 P.M.	MEAN MAXIMUM.	MEAN MINIMUM.	GREATEST.	LEAST.	DATE.	DATE.	DATE.	DATE.
North Latitude. a	West Longitude. a	INCHES.		DATE.	DATE.	MONTHLY.	GREATEST IN 24 HOURS.	DATE.		DATE.	DATE.	DATE.	DATE.	DATE.	DATE.	DATE.	DATE.
°	°	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.
Barrie.....	44.25 70.45 50	77.98	80.65	28.7907	28.8130	28.8099	29.1087	7 a.m.	27.28	38.33	1 p.m.	14.725	38.7	20.27	51.22	58.14	48.42
Belleville.....	44.10 77.25 72	30.72	29.40	29.4685	29.4604	29.4689	29.8037	7 a.m.	27.20	41.26	7 a.m.	14.714	41.4	26.27	49.70	58.93	51.50
Cornwall.....	45.0 74.50 137	175	115	29.1065	29.1066	29.0946	29.3947	7 a.m.	8.28	6.90	1 p.m.	13.774	30.0	26.27	48.58	53.37	48.88
Goderich.....	43.45 81.42	90	32.45	29.487	29.472	29.475	29.8091	1 p.m.	14.741	39.0	26.27	48.58	53.37	48.88	53.3	63.3	39.7
Hamilton.....	43.12 79.50 90	400	20.11	29.05	29.06	29.08	29.4437	7 a.m.	7.76	44.1	26.27	49.40	60.0	51.37	53.96	64.35	39.58
Pembroke.....	45.50 77.10	629	20.175	29.1218	29.1415	29.137	29.4907	7 a.m.	7.76	44.1	26.27	49.40	60.0	51.37	53.96	64.35	39.58
Peterborough.....	44.50 78.25	716	20.007	29.005	29.006	29.006	29.4907	7 a.m.	7.76	44.1	26.27	49.40	60.0	51.37	53.96	64.35	39.58
Simcoe.....	42.51 80.14 150	1118	28.588	28.5803	28.5858	28.5883	29.4907	7 a.m.	7.76	44.1	26.27	49.40	60.0	51.37	53.96	64.35	39.58
Stratford.....	43.25 80.58	629	20.270	29.2082	29.2302	29.2251	29.4907	7 a.m.	7.76	44.1	26.27	49.40	60.0	51.37	53.96	64.35	39.58
Windsor.....	42.30 83.00	629	20.270	29.2082	29.2302	29.2251	29.4907	7 a.m.	7.76	44.1	26.27	49.40	60.0	51.37	53.96	64.35	39.58

Approximation. d On Lake Simcoe. e Near Lake Ontario (on Bay of Quinte). f On St. Lawrence. g On Lake Huron. h On Lake Ontario. i On the Ottawa River. j 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.		AURORA.	
	MONTHLY MEANS.		SURFACE CURRENT.		MOTION OF CLOUDS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.	
	7 A.M.	9 P.M.	North.	South.	East.	West.	North.	South.	East.	West.	North.	South.	East.	West.	North.	South.
Barrie.....	71	55	81	113	1.4	2	8	11	30	78	4	1	1	1	1	1
Belleville.....	78	65	78	84	1.1	1	1	1	1	1	1	1	1	1	1	1
Cornwall.....	81	68	78	84	1.1	1	1	1	1	1	1	1	1	1	1	1
Goderich.....	78	65	78	84	1.1	1	1	1	1	1	1	1	1	1	1	1
Hamilton.....	78	65	78	84	1.1	1	1	1	1	1	1	1	1	1	1	1
Pembroke.....	78	65	78	84	1.1	1	1	1	1	1	1	1	1	1	1	1
Peterborough.....	78	65	78	84	1.1	1	1	1	1	1	1	1	1	1	1	1
Simcoe.....	78	65	78	84	1.1	1	1	1	1	1	1	1	1	1	1	1
Stratford.....	78	65	78	84	1.1	1	1	1	1	1	1	1	1	1	1	1
Windsor.....	78	65	78	84	1.1	1	1	1	1	1	1	1	1	1	1	1

The barometer at Cornwall was not in working order this month.

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.

At Simcoe observations with the minimum thermometer were resumed on 18th May.

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

REMARKS.

Barrie.—On 7th, brilliant aurora, streamers very distinct, perpendicular to arch; north half of sky illuminated. 25th, lightning, thunder and rain; brief but severe storm of wind and rain. Frost, 3rd, 4th, 5th, 14th. Rain, 1st, 8th, 13th, 14th, 17th, 18th, 25th, 26th, 28th, 31st.

Belleville.—On 4th, auroral segment. 5th, auroral streamers. 10th, auroral segment. 26th, much thunder and lightning between 1 and 4 P.M. 12th, lightning. 12th and 13th, thunder. 25th, lightning, thunder and rain. Frost, 9th and 22nd. Wind storms, 3rd, 11th, 21st, 27th. Fog, 13th, 14th, 15th, 26th, 30th, 31st. Rain, 1st, 13th, 15th, 17th, 26th, 27th, 28th, 30th. Apricot, pear and cherry trees in blossom on and after 11th. Maple and other trees coming into leaf, 16th. Leaves fully out, 22nd. Apple trees in blossom from 16th to 31st, according to the situation and variety of tree.