

IV. 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 SEPTEMBER, 1869.

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BAROMETER AT TEMPERATURE OF 32° FAHRENHEIT.										TEMPERATURE OF THE AIR.										TENSION OF VAPOUR.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
STATION.	Eleva- tion. a	MONTHLY MEANS.					HIGHEST.		LOWEST.		RANGE.		MONTHLY MEANS.			DAILY RANGE.			HIGHEST.		LOWEST.		WARM- EST DAY.		COLD- EST DAY.		MONTHLY MEANS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		Above the Lake.		Above the Sea.		7 A.M.	1 P.M.	9 P.M.	MEAN.	Reading.	Date.	Monthly. Greatest in 24 hours.	Date.	7 A.M.	1 P.M.	9 P.M.	MEAN.	Mean Minimum.	Mean Maximum.	Greatest.	Least.	Date.	Reading.	Date.	Monthly Range.	Mean Temp.	Date.	Mean Temp.	7 A.M.	1 P.M.	9 P.M.	MEAN.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

Approximation. d On Lake Simcoe e Near Lake Ontario (on Ray 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 δ VELOCITY OF WIND.				AMOUNT OF CLOUDINESS. c				RAIN.		SNOW.		AURORAS.						WHEN OBSERVED.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	MONTHLY MEANS.		MOTION OF CLOUDS. a										MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.		MONTHLY MEANS.			MONTHLY MEANS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	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.	9 P.M.	North.	North East.	East.	South East.	South.	South West.	West.	North West.	Impeterept.	Clear.	Total.	North.	North East.	East.	South East.	South.	South West.	West.	North West.	Impeterept.	Clear.	Total.	North.	North East.	East.	South East.	South.	South West.		West.	North West.	Impeterept.	Clear.	Total.	North.	North East.	East.	South East.	South.	South West.	West.	North West.	Impeterept.	Clear.	Total.	North.	North East.	East.	South East.	South.	South West.	West.	North West.	Impeterept.	Clear.	Total.	North.	North East.	East.	South East.	South.	South West.	West.	North West.	Impeterept.	Clear.	Total.	North.	North East.	East.	South East.	South.	South West.	West.	North West.	Impeterept.	Clear.	Total.	North.	North East.	East.	South East.	South.	South West.	West.	North West.	Impeterept.	Clear.	Total.	North.	North East.	East.	South East.	South.	South West.	West.	North West.	Impeterept.	Clear.	Total.	North.	North East.	East.	South East.	South.	South West.	West.	North West.	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* 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.

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

REMARKS.

Barrie.—On 3rd, at 10 P.M., a beautiful band of luminous vapour disappeared continuously near the zenith. 17th, meteor in NW at rain. 20th, thunder; lightning at night. Fogs, 2nd, 7th, 10th, was observed about the altitude of the zenith, extending across the elevation of 10°, direction E to W. Lunar halos on 17th and 21st. 23rd. Rain, 6th, 7th, 8th, 11th, 15th, 17th, 20th, 25th, 26th, 27th, sky from E to W, varying from 4° to 5° in width; disappeared at 11 25th, a lower cloud current moving with great rapidity from SW, up- per one slowly from W. 17th and 21st, lightning and thunder, with *BELLEVILLE*.—A higher temperature than in the corresponding P.M.; during the following half hour blotches of light appeared and