

VI. Paper on Meteorology.

1. ABSTRACT OF MONTHLY METEOROLOGICAL RESULTS, compiled from the Returns of the daily observations at ten Grammar School Stations for APRIL, 1867.

OBSERVERS.—Barrie—Rev. W. F. Cheekley, B.A.; Belleville—A. Rurdon, Esq.; Cornwall—W. Taylor Briggs, Esq., B.A.; Goderich—John Haldan, Jr., Esq.; Hamilton—A. Macallum, Esq., M.A.; Pembroke—Alfred McClatchie, Esq., B.A.; Peterborough—Ivan O'Beirne, Esq.; Simcoe—Rev. J. G. Mulholland, M.A.; Stratford—C. J. Macgregor, Esq., M.A.; Windsor—A. McSweeney, Esq., M.A.

STATION.	North Latitude.		West Longitude.		Barometer at temperature of 32° Fahrenheit.										Temperature of the Air.										Tension of Vapour.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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			7 A.M.	1 P.M.	9 P.M.	MEAN.	DATE.	Reading.	Date.	Monthly.	Greatest.	Least.	DATE.	Reading.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Maximum.	Mean Minimum.	Mean Range.	Greatest.	Least.	DATE.	Reading.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	Monthly.	Greatest.	Least.	DATE.	Mean Temp.	Date.	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REMARKS.

Barrie.—On 3rd, hail, 27th, thunder. Rain on 1st, 4th, 16th, 16th, 20th. Snow on 4th, 5th, 8th, 22nd.

Belleville.—On 20th, thunder at about 1.15 p.m., lasted half an hour, with occasional flashes of lightning and some rain. Fog on 16th. Rain on 1st, 2nd, 4th, 5th, 8th, 10th, 16th, 20th, 22nd, 27th, 29th, 30th. Snow on 5th, 24th. A great number of showers this month. High winds only on 1st and 2nd.

Goderich.—On 2nd, violets appeared. 4th, small birds, and crows seen. 8th, ploughing commenced. 15th, frogs. 20th, thunder and rain. Frogs on 4th, 8th, 30th. Rain on 1st, 15th, 16th, 20th, 26th, 27th.

Hamilton.—On 1st, robin red-breast first seen and heard; gales of wind. 2nd, black birds first seen; frogs first heard; 3rd and 4th, surface

wind and clouds moved all of both days in opposite directions. 4th, at 9 p.m. atmosphere saturated. 8th, flies appeared above ground. 9th, will ducks seen flying towards Dundas marsh. 10th, rain and hail in forenoon and in afternoon rain and snow flakes of immense size, melting at once. 11th, clearer appeared. 12th, bay clear of ice, same date as last year. 13th, buds of red maple visibly enlarged; an ordinary meteor at 9:30 p.m., seen in SE, falling towards S. 15th, buds of blm of Gilead and lilac considerably enlarged. 22nd, snow rain and hail on same day. 23rd, cloud in form of an arc from W to NE, 200 high, its appearance was rather odd. 27th, observed a light at 9:30 p.m., considerably brighter than the rest of the heavens, it seemed to proceed

from WNW towards the constellation in Gemini, with a width of some 15°, it extended to a height of about 65°—could assign no cause for it. 28th, spear thistle seen peeping above ground. Hail on 5th, 22d, 23rd, 24th. Storms of wind on 1st, 6th, 11th, 13th, 17th, 20th, 23rd, 25th, 26th, 27th, 29th. Fog 16th, 24th, 29th. Rain on 1st, 4th, 8th, 10th, 15th, 19th, 22nd, 26th, 30th. Snow on 1st, 5th, 22nd, 24th. The observer reports that no thunder or lightning was perceived by him, but several fishes were seen by another on the evening of 20th; and at Mount Pleasant, 30 miles west of the station repeated claps of thunder were heard on morning of 19th.

Pembroke.—On 3rd, the first ground squirrel seen. 5th, an unusual storm of snow, the heaviest of the year, from 2 a.m., to 11 p.m., depth

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