

VI. Paper on Meteorology.

1. ABSTRACT OF MONTHLY METEOROLOGICAL RESULTS, compiled from the Returns of the daily observations at ten Grammar School Stations for JANUARY, 1883.

ONTARIO.—*Barrie*—Rev. W. F. Checkley, B.A.; *Bellefleur*—A. Burdon, Esq.; *Cornwall*—W. Taylor Briggs, Esq., B.A.; *Goderich*—John Haldan, Jr., Esq.; *Hamilton*—A. Macallum, Esq., M.A.; *Pembroke*—J. W. Connor, Esq., B.A.; *Peterborough*—Ivan O'Beirne, Esq.; *Simcoe*—Rev. J. G. Mulholland, M.A.; *Stratford*—J. C. Macgregor, Esq., M.A.; *Windsor*—A. McSweeney, Esq., M.A.

STATION.	North Latitude.	West Longitude.	Eleva- tion. Above Lake. Feet.	Barometer at temperature of 32° Fahrenheit.				Temperature of the Air.				Tension of Vapor.			
				MONTHLY MEANS.		RANGE.	LOWEST.	MONTHLY MEANS.		DAILY RANGE.	HIGHEST.	WARM- EST DAY.		COLD- EST DAY.	MONTHLY MEANS.
				7 A.M.	9 P.M.			7 A.M.	9 P.M.			Date.	Temp.	Date.	
Barrie	44.35	79.45	778	29.008	29.007	29.004	29.026	29.008	29.007	29.004	29.026	29.008	29.007	29.004	29.008
Bellefleur	44.10	77.25	307	29.536	29.527	29.543	30.030	29.536	29.527	29.543	30.030	29.536	29.527	29.543	29.536
Cornwall	43.0	74.50	175	29.532	29.528	29.536	30.022	29.532	29.528	29.536	30.022	29.532	29.528	29.536	29.532
Goderich	43.45	81.40	715	29.192	29.170	29.197	29.760	29.192	29.170	29.197	29.760	29.192	29.170	29.197	29.192
Hamilton	43.13	79.50	324	29.577	29.566	29.587	30.038	29.577	29.566	29.587	30.038	29.577	29.566	29.587	29.577
Pembroke	45.50	77.10	400	29.440	29.436	29.439	30.026	29.440	29.436	29.439	30.026	29.440	29.436	29.439	29.440
Peterborough	44.30	78.35	638	29.234	29.219	29.254	29.774	29.234	29.219	29.254	29.774	29.234	29.219	29.254	29.234
Simcoe	43.51	80.14	715	29.067	29.063	29.069	29.639	29.067	29.063	29.069	29.639	29.067	29.063	29.069	29.067
Stratford	43.25	80.58	1189	29.634	29.624	29.633	29.647	29.634	29.624	29.633	29.647	29.634	29.624	29.633	29.634
Windsor	42.50	83.00	620	29.375	29.358	29.374	30.003	29.375	29.358	29.374	30.003	29.375	29.358	29.374	29.375

* On Lake Simcoe.

* On St. Lawrence.

* Near Lake Ontario (on Bay of Quinte).

* On Lake Ontario.

* On Lake Huron.

* On the Ottawa River.

* Close to Lake Erie.

* On the Detroit River.

* Inland Towns.

* 13th, 14th, 27th, 28th.

* 48 hours (Sunday) 39°-3, 8th.

STATION.	Humidity of Air.				Winds. Number of Observations.												MOTION OF CLOUDS.												Estimated Velocity of Wind.				Amount of Cloudiness, c				RAIN.				SNOW.				AURORAS.				WHEN OBSERVED.	
	MONTHLY MEANS				SURFACE CURRENT.												MOTION OF CLOUDS.												Estimated Velocity of Wind.				Amount of Cloudiness, c				RAIN.				SNOW.				AURORAS.					
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MONTH																																																		

Velocity is estimated, 0 denoting calm or light air; 10 denoting very heavy hurricane.
Where the clouds have contrary motions, the higher current is entered here.

REMARKS.

BARRE—On 9th, storm of wind, also on 23rd; blew very heavily during night of 22nd. Snow on 2nd, 4th, 7th, 8th, 15th, 16th, 17th, 23rd to 27th, 30th, 31st. The usual January thaw did not occur. Minimum temp. 25th, -9.1°; 26th, -13.2°; 27th, -17°; 28th, -18.7°.

BELLEFEUR—On 20th, fog. Snow on 1st, 4th, 15th, 16th, 18th, 23rd, 25th, 26th, 30th. Minimum temp. 6th, -7.6°; 13th, -10.3°; 20th, -7°; 27th, -10.0°; 28, -19.2°.

CORNWALL—On 1st, hail. Storm of wind NW on 25th. Fogs on 27th, 28th. Snow on 1st, 2nd, 4th, 9th, 10th, 15th, 16th, 17th, 20th, 23rd, 24th, 29th, 31st. Minimum temp. 6th, -7.7°; 7th, 13th, 14th, 27th, 28th, -11.0°.

GODERICH—On 4th and 7th at 1 p.m., wet and dry bulb thermometers alike after repeated trials. 5th, halo round moon. Storms of wind 9th and 10th. Snow on each day 1st, 3rd, 4th, 8th to 11th, 13th, 14th, 24th, 25th, 27th, 29th, 30th. Minimum temp. 9th, 3.09°; 27th, 3.09°; 28th, -5.5°.

HAMILTON—Storms of wind on 1st, 6th, 9th, 10th, 13th, 14th, 16th, 21st, 23rd, 24th, 25th, 30th, 31st. Snow on 1st, 4th, 10th, 14th, 15th, 17th, 18th, 25th, 26th. Rain on 4th, 7th, 23rd. Hail on 4th, Month remarkable for steady cold weather. The rain storm of 23rd fell at Albany two days previously in form of snow, at Hamilton it came