V. 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 August, 1869.

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STATION.	North Latitude. a	West Longitude. a	Elevation. a: Above the Lake.	Elevation. a: Above the Sea.	Barometer at 32° Fahrenheit. Monthly Means. 7 A.M.	1 P.M.	9 P.M.	Mean.	Highest. Reading.	Date.	Lowest. Reading.	Date.	Range. Monthly.	Greatest in 24 hours.	Date.	Temperature of the Air. Monthly Means. 7 A.M.	1 P.M.	9 P.M.	Me'n	Mean Maximum.	Mean Minimum.	Mean Range.	Daily Range. Greatest.	Date.	Least.	Date.	Highest. Reading.	Date.	Lowest. Reading.	Date.	Monthly Range.	Warmest Day. Date.	Mean Temp.	Coldest Day. Date.	Mean Temp.	Tension of Vapour. Monthly Means. 7 A.M.	1 P.M.	9 P.M.	Me'n.
	°	°	Ft.		Inches											°	°	°	°	°	°	°	°		°		°		°		°		°		°				
dBarrie	44.25	79.45	59	779	28.9092	28.8787	28.8764	28.8881	29.397	7 a.m.	7	28.541	9 p.m.	3	.356	.423	5—6	62.76	70.87	63.10	65.58	76.56	54.99	21.57	38 6	9	12.6	13	84.6	9	41.5	31	43.1	19	73.17	31	51.37	.476	.483	.462	.474
eBelleville	44.10	77.25	72	307	29.6528	29.6320	29.6244	29.6364	29.862	1 p.m.	7	29.373	9 p.m.	28	.489	.367	24—25	62.04	71.26	63.35	65.55	75.26	55.20	20.06	26 4	27	8.1	4	85.6	25	43.5	31	42.1	20	78.33	31	53.10	.474	.504	.486	.488
fCornwall*	45.0	74.50	137	175	.....	.....	.....	.....	.....	.....	..	.....	.....	..	.....	.....	.....	61.06	71.01	61.58	64 55	73.93	54.24	19.69	27.0	27	7.9	6	89.1	20	41.7	31	47.4	20	77.03	31	51.86	.444	.630	.445	.503
gGoderich	43.45	81.42	..	715	29.2903	29.3018	29.2726	29.2882	29.578	1 p.m.	7	29.005	9 p.m.	14	.573	.373	13—14	61.98	67.86	62.12	63.99	71.10	55.54	15.56	26.6	8	8.2	30	85.5	19	44.0	31	41.5	19	77.77	31	50.80	.503	.541	.501	.515
hHamilton	43.12	79.50	90	324	29.677	29.669	29.655	29.667	29.946	7 a.m.	7	29.397	1 p.m.	20	.549	.295	19—20	63.5	73.7	62.9	66.7	78.2	52.6	25.6	32.8	7	14.1	4	94.3	20	41.3	6	53.0	20	80.7	31	55.6	.527	.604	.506	.545
iPembroke	45.50	77.10	..	400	29.2747	29.2190	29.2496	29.2478	29.514	7 a.m.	23	28.928	7 a.m.	20	.586	.398	24—25	59.99	67.12	62.53	63.21	70.8	51.19	19.59	32.8	8	5.0	28	81.5	10	41.0	8 / 31	40.5	20	73.0	31	51.03	.430	.442	.428	.433
kPeterborough	44.20	78.25	..	629	29.3483	29.3121	29.3182	29.3262	29.590	7 a.m.	7	29.072	1 p.m.	28	.518	.308	27—28	61.11	72.41	61.12	64.88	75.75	48.02	27.73	37.0	14	16.4	21	87.8	20	37.4	31	50.4	20	76.76	31	51.3	.453	.471	.427	.451
l Simcoe	42.51	80.14	150	716	29.213	29.209	29.196	29.206	29.425	1 p.m.	7	29.000	9 p.m.	4	.425	.263	4— 5	62.9	74.2	64.6	67.23	.....	.....	.....	25.7	24	6.5	4	87.1	20	43.5	7	43.6	20	79.9	31	53.40	.496	.570	.535	.534
kStratford	43.25	80.58	..	1182	28.8083	28.7955	28.7808	28.7949	29.065	7 a.m.	7	28.545	9 p.m.	14	.520	.353	14	59.76	69.29	61.87	63.64	72.32	54.27	18 05	25.4	7	9.2	21	85.0	20	41.5	8	43.5	20	76.43	31	50.33	.485	.543	.500	.509
mWindsor†	42.20	83.00	..	620	29.4324	29.4187	29.4136	29.4216	29.693	1 p.m.	7	29.162	9 p.m.	14	.531	.315	13—14	66 02	76.32	65.96	69.43	78.17	60.17	18.00	27.1	24	9.3	30	92.2	20	47.8	7	44.4	20	81.17	31	56.13	.561	.619	.566	.582

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. *l* Close to Lake Erie. *m* On the Detroit River. *k* Inland Towns.

STATION.	Humidity of Air. Monthly Means. 7 A.M.	1 P.M.	9 P.M.	Mean.	Winds. Number of Observations. Surface Current. North.	North East.	East.	South East.	South.	South West.	West.	North West.	Calm.	Total.	Motion of Clouds. a North.	North East.	East.	South East.	South.	South West.	West.	North West.	Imperceptible.	Clear.	Total.	Estimated b Velocity of Wind. Monthly Means. 7 A.M.	1 P.M.	9 P.M.	Mean.	Amount of Cloudiness. c Monthly Means. 7 A.M.	Mean.	1 P.M.	9 P.M.	Rain. No. of Rainy Days.	Duration in hours.	Depth in inches.	Snow. No. of Snowy Days.	Duration in hours.	Depth in inches.	Total Depth of Rain and Melted Snow.	Auroras. Class I.	Class II.	Class III.	Class IV.	Sky unfavorable, obs. doubtful.	Sky unfavorable, obs. impossible.	Sky favorable, none seen.	When Observed.
Barrie	81	63	78	74	3	4	2	7	1	4	14	15	28	78	1	..	1	2	..	4	6	5	43	16	78	0.9	1.4	0.5	0.9	5.6	5.8	3.0	4.8	10	.....	2.2997	..	.....	.....	2.2997	..	..	2	..	....	8	16	6th, 24th.
Belleville	83	65	81	76	12	3	5	3	7	5	30	9	4	78	2	..	..	..	..	1	13	1	30	31	78	1.3	1.6	1.2	1.4	5.0	5.5	3.4	4.63	9	31.30	1.555	..	.....	.....	1.555	..	2	..	..	....	10	14	6th, 24th.
Cornwall	84	83	83	83	..	..	1	..	..	7	28	14	28	78	..	3	5	1	1	1	4	2	38	23	78	0.42	1.26	0.69	0.79	5.1	6.2	3.9	5.1	6	.....	.....	..	.....	.....	.....	..	..	..	1	....	....	....	24th.
Goderich	88	77	87	84	13	7	8	3	8	11	9	10	9	78	4	2	2	2	4	11	15	4	13	21	78	1.7	2.7	1.6	2.0	6.9	6.2	4.0	5.7	10	32.	1.9566	..	.....	.....	..	..	2	1	1	9	13	6th, 24th III; 5th IV.
Hamilton	87	71	85	81	..	4	5	1	..	30	..	3	35	78	..	5	..	..	..	23	5	4	21	20	78	1.0	1.3	0.7	1.0	5.5	6.5	3 8	5.3	10	23.25	4.029	..	.....	.....	4.029	1	..	..	1	....	7	17	24th I; 6th IV.
Pembroke	83	66	74	74	9	4	..	7	12	8	14	18	6	78	9	..	2	..	1	1	15	13	31	6	78	2.4	2.6	2.2	2.4	6.3	6.2	4.5	5.7	13	40.	2.8725	..	.....	.....	2.8725	..	1	2	1	....	13	10	6th II; 5th, 24th III; 8th IV.
Peterborough	82	58	77	72	5	3	2	3	6	9	7	16	27	78	4	..	..	..	3	2	20	21	14	14	78	0.84	1.88	0.76	1.16	6.46	6.19	2.81	5.15	9	30.42	1.739	..	.....	.....	1.739	..	..	1	2	3	3	15	24th III; 5th, 6th IV.
Simcoe	84	66	86	79	8	..	3	3	4	7	12	9	32	78	2	..	1	1	..	4	5	4	16	45	78	1.1	2.1	0.8	1.3	4.0	2.3	4.3	3.5	9	.....	2.5583	..	.....	.....	2 5583	..	..	1	..	....	13	12	24th.
Stratford	92	73	88	84	9	8	2	6	3	10	10	11	19	78	7	1	2	1	2	6	6	6	24	23	78	2.4	3.3	1.1	2.3	5.3	6.5	3.8	5.2	10	25.50	3.6474	..	.....	.....	3.6474	..	1	1	..	....	12	17	24th II; 8th III.
Windsor	87	67	87	80	10	14	6	3	9	15	8	6	7	78	3	..	..	..	..	1	15	3	40	16	78	1.6	2.2	1.4	1.7	7.0	7.5	4.8	6.4	10	.....	2.1850	..	.....	.....	2.1850	..	..	..	2	....	12	12	6th, 24th.

* 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 13th and 19th, lightning and thunder, with rain. 30th and 31st, frost; tender vegetables slightly injured. 25th, wind storm. Rain on 2nd, 4th, 13th, 14th, 15th, 16th, 19th, 20th, 21st, 28th.

Belleville.—On 11th, thunder; 30th, lightning, thunder and rain. Fog on 18th, and wind storm on 20th. Rain on 2nd, 3rd, 4th, 14th, 15th, 20th, 21st, 27th, 28th. Rains gentle, no very heavy falls. Weather most favourable, and an excellent harvest well secured.

Cornwall.—On 7th, partial eclipse of sun indistinctly visible, owing to cloudiness. Rain 3rd, 6th, 11th, 16th, 25th, 28th. Month remarkable for unseasonable coldness; on five days only did the mean temperature exceed 70°, and on warmest day it only reached 77° 03.

Goderich.—On 7th, sky perfectly clear during eclipse. 12th, thun-