2. Abstract of Monthly Meteorological Results, compiled from the Returns of the daily observations at ten Grammar School Stations for October, 1867.

Observers.—*Barrie*—Rev. W. F. Checkley, B.A.; *Belleville*—A. Burdon, 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. McSween, Esq., M.A.

Station.	North Latitude. a	West Longitude. a	Elevation. a: Above the Lake.	Elevation. a: Above the Sea.	Barometer at temperature of 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.
	°	°	Ft.		Inches.										
e Barrie	44.25	79.45	59	779	29.1335	29.1102	29.1264	29.1234	29.596	7 a.m. 7	28.525	1 p.m. 10	1.071	.559	8—0
f Belleville	44.10	77.25	72	307	29.6448	29.6115	29.6180	29.6248	30.082	7 a.m. 7	29.124	1 p.m. 10	.958	.496	8—9
n Cornwall	45.0	74.50	...	175	29.6215	29.6111	29.6021	29.6115	30.457	7 a.m. 25	29.162	7 a.m. 1 p.m. 10	1.295	.555	25—26
g Goderich	43.45	81.42	137	715	29.2986	29.2528	29.2912	29.2809	29.788	7 a.m. 7	28.660	1 p.m. 10	1.128	.703	8—9
h Hamilton	43.12	79.50	90	324	29.67	29.64	29.66	29.66	30.162	7 a.m. 7	29.026	1 p.m. 10	1.136	.551	8—9
i Pembroke	45.50	77.10	...	400	29.517	29.480	29.487	29.495	29.976	7 a.m. 7	28.960	1 p.m. 10	1.016	.557	8—9
k Peterboro'	44.20	78.25	...	629	29.3394	29.2971	29.3235	29.3200	29.798	7 a.m. 7	28.713	1 p.m. 10	1.085	.576	8—9
l Simcoe	42.51	80.14	150	716	29.1537	29.1397	29.1328	29.1421	29.569	7 a.m. 7	28.572	1 p.m. 10	.997	.467	8—9
k Stratford	43.25	80.58	...	1182	28 7766	28.7483	28.7620	28.7623	29.242	7 a.m. 7	28.145	1 p.m. 10	1.097	.597	8—9
m Windsor	42.20	83.00	...	620	29.4371	29.4020	29.4145	29.4178	29.868	7 a.m. 7	28.841	7 a.m. 10	1.027	.511	8—8

Station.	Temperature of the Air. Monthly Means. 7 A.M.	1 P.M.	9 P.M.	M'N	Mean Maximum	Mean Minimum	Mean Range.	Daily Range. Greatest.	Date.	Least.	Date.	Highest. Reading.	Date.	Lowest. Reading.	Date.	Monthly Range.	Date.	Warmest Day Mean Temp.	Date.	Coldest Day Mean Temp.	Tension of Vapour. Monthly Means. 7 A.M.	1 P.M.	9 P.M.	Mean.
	°	°	°	°	°	°	°	°		°		°		°		°		°		°				
e Barrie	44.9	57.2	47.5	49.86	69.28	45.10	24.18	40.6	1	6.6	12	75.1	20	29.0	24	46.1	17	64.0	23	39.63	.268	.314	.258	.280
f Belleville	43.45	56.45	48.90	49.60	58.58	39.53	19.05	30.4	1	5.9	11	71.6	21	28.2	8	43.4	17	65.26	23	40.06	.259	.329	.317	.302
n Cornwall	44.34	55.75	45.63	48.58	58.93	33.47	25.46	41.4	4	7.1	12	77.0	21	23.4	4	53.6	17	65.87	23	39.20	.247	.344	.269	.287
g Goderich	47.69	55.52	50.20	51.14	57.98	42.44	15.54	28.3	16	6.2	31	72.5	21	32.5	24	40.0	19	66.63	23	40.37	.288	.321	.299	.302
h Hamilton	43.1	59.9	49.3	50.76	63.6	36.3	27.3	45.0	1	7.8	12	83.8	19	24.2	24	59.6	17	69.9	25	38.9	.257	.322	.300	.293
i Pembroke	39.4	52.9	46.7	46.3	61.3	32.6	28.7	43.5	19, 21	8.	11	81.0	21	18.0	9	63.0	21	63.37	31	38.23	.233	.342	.294	.289
k Peterboro'	40.08	56.11	44.51	46.9	58.32	34.92	23.40	45.5	1	8.6	10	72.4	21	22.6	8	49.8	17	61.86	31	37.13	.236	.265	.254	.252
l Simcoe	42.38	58.51	47.72	49.54	61.90	38.19	23.71	40.9	16	10.3	10	78.9	19	22.9	24	56.0	17	67.26	24	37.10	.255	.305	.305	.288
k Stratford	42.48	54.93	46.63	48.11	57.48	37.85	19.63	34.0	16	7.7	11	74.3	19	24.7	24	49.6	17	64.77	7	36.93	.254	.299	.284	.279
m Windsor	47.83	62.30	51.49	53.87	64.20	42.51	21.69	40.1	16	6.8	11	82.9	19	27.0	24	55.9	17	69.6	30	44.76	.306	.309	.338	.317

* 48 hours (Sunday). 39°.3, 5th.

a Approximation. *e* On Lake Simcoe. *n* On St. Lawrence. *f* Near Lake Ontario (on Bay of Quinte.) *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. d North.	North E.	East.	South E.	South.	South W.	West.	North W.	Imperceptible.	Clear.	Total.
Barrie	88	69	77	78	1	5	1	15	6	6	5	9	33	81	1	...	...	5	...	...	4	12	36	23	81
Belleville	87	71	87	82	4	2	6	8	11	19	16	6	9	81	...	1	...	...	...	4	6	3	30	37	81
Cornwall	85	78	89	84	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Goderich	84	72	80	79	14	7	11	9	15	15	3	7	...	81	8	1	1	1	1	5	4	4	25	31	81
Hamilton	88	62	80	77	...	4	7	...	1	31	...	1	37	81	...	5	1	...	...	24	7	3	13	28	81
Pembroke	93	84	89	88	3	4	4	10	2	7	12	6	33	81	...	...	2	1	...	...	20	2	35	21	81
Peterborough	90	57	84	77	4	4	4	2	3	3	7	8	44	79	3	6	...	...	...	7	8	15	21	21	81
Simcoe	88	60	84	78	...	2	..	5	...	23	...	14	37	81	...	2	...	2	...	7	...	10	36	24	81
Stratford	89	66	85	80	4	5	7	1	5	16	5	8	30	81	4	2	2	...	2	8	2	5	27	29	81
Windsor	89	55	85	76	7	11	...	1	12	12	5	15	18	81	2	4	...	...	5	9	1	3	34	23	81

Station.	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.	1 P.M.	9 P.M.	Mean.	Rain. No. Rainy Days.	Duration in hrs.	Depth in inches.	Snow. No. Snowy Days	Duration in hrs.	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	.6	1.3	.5	.8	6.	5.	5.	5.3	6	...	1.8707	...	...	...	1.8707	...	...	1	...	...	10	16	29th.
Belleville	1.1	1.5	1.0	1.2	3.9	3.7	3.5	3.7	8	45.45	3.817	...	...	...	3.817	...	1	...	1	...	10	15	2nd, II. 29th, IV.
Cornwall	.6	1.07	.5	.72	5.7	5.3	5.8	5.6	8	...	3.6219	...	...	...	3.6219	...	...	1	3	...	...	...	3rd, 18th, 23rd, IV. 23rd. III.
Goderich	.7	.7	.6	.74	5.	4.	5.	4.7	10	...	1 8142	...	...	...	1.8142	...	...	...	1	...	13	13	2nd.
Hamilton	.8	1.2	1.3	1.1	4.3	5.9	5.	5.07	8	...	1.8842	...	...	...	1.8842	...	...	...	1	...	12	14	2nd.
Pembroke	.7	.7	.9	.8	5.3	5.9	5.1	5.4	8	66.	2.4859	...	...	...	2.4859	...	...	...	5	5	9	8	23rd, 24th, 29th, 31st.
Peterborough	.3	1.81	.41	.84	4.15	5.74	4.4	4.7	11	53.27	1.810	...	...	...	1.840	...	1	...	3	4	7	12	2nd, III. 4th, 24th, 29th, 31st, IV.
Simcoe	.4	1.44	.62	.82	3.85	4.77	4.25	4.29	8	...	3.0744	...	...	...	3.0744	...	...	1	5	...	10	11	2nd, III. 5th, 15th, 23rd, 24th, 29th, IV.
Stratford	1.2	2.6	1.2	1.67	5.2	5.2	4.8	5.1	7	26.35	2.0943	...	...	...	2.0943	...	...	1	1	...	10	19	2nd, III. 29th, IV.
Windsor	1.44	2.3	1.6	1.78	5.5	6.0	5.1	5.5	7	...	2.014	...	...	...	2.014	...	...	...	1	...	11	15	2nd.

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

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

REMARKS.

Barrie.—On 17th, violent squall from NW from 5.30 to 6 p.m. 29th, aurora very bright. Fog on 4th, 23rd, 24th, 25th. Rain on 5th, 9th, 10th, 11th, 22nd, 28th.

Belleville.—On 2nd, thunder and lightning with rain from 11.30 a.m. to noon; from 7.30 to 9 p.m. brilliant aurora—first the arch appeared, then streamers shot up, occasionally dancing and waving with a tremulous motion. 5th, lightning and heavier thunder with rain from 3 to 5 a.m. 4th, at 9.30 p.m. heavy rain began and continued till about 3 p.m. on 5th, measuring 2.091 inches. During the week ending on 5th, considerable fluctuation of barometer observed. 10th, between 12 and 1 a.m. some loud thunder and vivid lightning with rain. 18th and 19th, dense fog in mornings. 20th, from 1 to 3 a.m. thunder and lightning; the lightning very vivid for a short time; on same day in evening, frequent flashes without thunder. 28th, dense fog in morning. 29th, brightness at north horizon resembling dawn, from 8 to 9 p.m. Rain on 2nd, 4th, 5th, 9th, 10th, 11th, 12th, 22nd. Frequent heavy dews during the month, days being warm and followed by cool and cloudless nights. Crops generally inferior to those of last year.

Cornwall.—Rain on 2nd, 4th, 5th, 10th, 11th, 17th, 22nd, 23rd.

Goderich.—On 19th, lightning. Rain on 1st, 4th, 9th, 10th, 11th, 14th, 21st, 22nd, 23rd, 29th.

Hamilton.—On 6th, at 7.40 p.m a bright meteor in SE fell towards SE, about 30° high. 8th, a very bright meteor at 5 a.m. passed towards the West, the light through observer's window quite distinct,