V. Monthly Report on Meteorology of the Province of Ontario.

ABSTRACT OF MONTHLY METEOROLOGICAL RESULTS, compiled from the Returns of the daily observations at ten High School Stations, for FEBRUARY, 1874.

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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.										
iPembroke..	45·50	77·10	....	423	.....	.....	.....	.....	.....	.....	....	....	....	....	....
fCornwall ..	45·0	74·50	137	175	29·8973	29·8771	29·8994	29·8913	30·539	7 a.m.	2	29·243	1 p.m.	16	1·296
dBarrie	44·25	79.45	59	779	29·0683	29·0192	29·0747	28·0540	29·557	7 a.m.	2	28·334	7 a.m.	13	1·223
kPeterboro'	44·20	78·25	....	670	29·3340	29·3122	29·3383	29·3282	29·854	7 a.m.	2	28·774	7 a.m.	16	1·080
eBelleville ..	44·10	77·52	72	307	29·6772	29·6554	29·6714	29·6680	30·256	7 a.m.	2	29·240	7 a.m.	16	1·016
gGoderich ..	43·45	81·42	....	715	29·2906	29·2856	29·3185	29·2982	29·746	7 a.m.	24	28·610	7 a.m.	13	1·136
kStratford ..	43·25	80·58	....	1182	28·7622	28·7533	28·7837	28·7664	29·194	10 a.m	1	28·138	7 a.m.	13	1·056
hHamilton..	43·12	79·50	90	324	29·6656	29·6364	29·7021	29·6680	30·137	9 p.m.	24	29·071	7 a.m.	14	1·110
lSimcoe	42·51	80·14	150	716	29·1558	29·1239	29·1193	29·1330	29.530	7 a.m.	24	28·671	7 a.m.	23	859
mWindsor..	42·20	83·00	....	620	29·4638	29·4433	29·4800	29·4624	29·927	7 a.m.	24	28 789	7 a.m.	13	1·138

STATION.	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.
	°	°	°	°	°	°	°	°		°		°		°		°		°		°
iPembroke..	.....	.....	.....	.....	.....	.....	.....	...	...	...	..	.....	.....	...	...	...	.....	...	..	...
fCornwall ..	10·41	20·26	16·48	15·72	23·81	1·41	22·40	51·5	13	11·8	20	49·0	13, 23	-32·8	2	81·8	13	42·70	2	-7·07
dBarrie	14·29	24·89	17·84	19·01	33·81	4·45	29·36	48·9	12	14·6	13	42·6	13	-16·8	2	59·4	13	35·53	2	4·07
kPeterboro'	11·86	23·70	17·81	17·79	26·46	2·73	23·73	41·3	9	14·8	21	40·9	13	-21.2	2	62·1	13	36·80	2	1·53
eBelleville ..	16·03	33·92	21·24	20·39	27·12	9·96	17·16	26·3	19	7·6	20	40·5	20	-13·8	2	54·3	13	38·76	2	0·16
gGoderich ..	21·93	26·50	22·67	23·70	29·96	17·88	12·08	31·6	12	5·8	15	44·3	13	3·3	8	41·0	13	35·60	2	15·40
kStratford ..	19·68	25·08	21·33	22·03	27·85	13·92	13·93	33·0	12	4·0	3	42·0	13	-2·8	8	44·8	13	36·93	7	13·97
hHamilton..	22·08	29·35	25·86	25·76	33·16	18·33	14·83	29·2	9	1·7	12	48·8	13	2·2	9	46·6	20	36·20	5	15·76
lSimcoe	22·01	27·46	23·11	29·19	31·87	19·41	12·46	37·0	14	7·0	12	43·0	14	-5·0	9	48·0	28	35·16	5	10·0
mWindsor..	23·16	29·80	26·38	26·45	32·61	18·68	13·93	29·0	12	4·3	21	50·0	12	5·8	10	44·2	13	41·10	2	16·97

STATION.	Tension of Vapour — Monthly Means. A.M.	1 P.M.	9 P.M	ME'N.
iPembroke..	....	....	....	....
fCornwall ..	·081	·098	·092	·090
dBarrie	·090	·126	·101	·106
kPeterboro'	·078	·103	·088	·090
eBelleville ..	·097	·126	·114	·112
gGoderich ..	·112	·121	·114	116
kStratford ..	·102	·114	·103	·106
hHamilton..	·110	·146	·131	·129
lSimcoe	·109	·134	·111	·118
mWindsor..	·109	·120	·129	119

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.	Impercept.	Clear.	Total.
Pembroke	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cornwall.....	91	79	89	86	1	2	20	3	12	12	9	7	6	72	..	..	..	..	1	1	5	3	46	16	72
Barrie.....	96	92	96	95	8	9	7	4	1	4	10	9	20	72	1	..	..	1	..	..	6	4	53	7	72
Peterborough	87	75	85	82	1	18	5	1	..	6	16	13	12	72	2	..	..	1	2	3	13	7	30	14	72
Belleville.....	90	89	91	90	6	2	21	5	14	12	7	1	4	72	..	..	1	..	..	..	5	2	43	21	72
Goderich	90	83	89	87	7	..	3	5	3	9	7	26	12	72	1	..	..	..	..	3	9	18	33	8	72
Stratford	90	82	87	86	4	3	5	8	2	11	10	10	19	72	1	2	1	..	..	1	6	7	39	15	72
Hamilton.....	88	84	87	86	2	17	..	1	2	20	27	3	..	72	..	9	..	1	1	16	7	1	21	16	72
Simcoe.....	87	84	85	85	..	18	..	..	..	17	2	35	..	72	..	4	1	22	..	15	..	..	..	30	72
Windsor.....	83	72	87	81	5	17	6	4	8	10	10	8	4	72	1	1	..	..	..	2	5	6	44	13	72

STATION.	Estimated b Velocity of Wind — Monthly Means. 7 A.M.	1 P.M.	9 P.M.	MEAN.	Amount of Cloudiness — Monthly Means. 7 A.M.	1 P.M.	9 P.M.	MEAN.	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.	
Pembroke	....	..	..	..	...	...	...	...	..	....	....	..	....	....	.....	..	..	..	..	..	..	....	
Cornwall.....	1·6	1·7	1·3	1·5	7·0	6·4	5·4	6·3	6	34·20	·5379	11	93·35	15·7	2·1079	..	1	..	2	12	..	9	5th, II.; 14th, 17th, IV.
Barrie.....	1·2	1·4	1·2	1·3	6·7	8·6	6·2	7·8	2	.....	.....	10	.....	....	1·20	..	..	1	..	..	13	10	5th.
Peterborough	1·71	1·87	1·54	1·71	6·1	6·4	5·2	5·9	4	44·20	1·0087	12	72·35	·6011	1·6098	..	..	1	..	..	10	12	17th.
Belleville.....	1·0	1·0	1·0	1·0	5·5	6·0	6·6	6·05	4	25·	1·889	11	22·	16·3	3·519	..	..	..	1	..	16	7	5th.
Goderich	1·5	1·8	1·8	1·7	8·5	7·3	6·1	7·46	5	9·	·5987	14	24·5	9·	1·4987	..	..	..	1	4	12	7	5th.
Stratford	2·1	2·7	2·0	2·27	6·9	7·5	6·3	6·9	5	22·0	1·2730	10	51·30	11·5	2·4230	..	..	2	..	..	15	11	5th, 14th.
Hamilton.....	3·6	3·9	3·6	3·7	8·2	7·8	5·5	7·2	3	.....	2·1323	8	.....	6·047	2·7370	..	..	1	..	..	14	9	5th.
Simcoe.....	1·4	1·4	1·8	1·5	7·3	6·4	3·7	5·8	1	.....	·1123	3	.....	10·	1·1123	..	..	..	..	..	9	15	
Windsor.....	1·4	1·7	1·5	1·53	7·8	7·9	6·9	7·6	6	.....	1·0653	4	.....	8·5	1·0653	..	..	..	..	..	16	8	

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.
* Record of rain at Peterborough incomplete this month owing to an accident.

REMARKS.

CORNWALL.—Very large and brilliant meteor in S.H. at 8.48 p.m. 28th. Wind storm, 16th. Fog, 5th. Snow, 3rd, 4th, 10th, 14th, 16th, 17th, 21st—23rd, 26th, 27th. Rain, 13th, 14th, 16th, 20th, 23rd, 24th.

BARRIE.—Lunar halo, 25th. Wind storms, 23rd. Snow, 2nd, 4th—6th, 7th, 9th—11th, 16th, 23rd, 26th. Rain, 13th, 23rd.

PETERBOROUGH.—Wind storms, 14th, 16th, 23rd. Fogs, 16th, 18th. Snow, 2nd, 3rd, 7th, 10th, 13th, 16th, 19th, 21st, 23rd, 25th, 27th, 28th. Rain, 12th, 12th, 19th, 23rd. Very large lunar circle, 26th.

BELLEVILLE.—Wind storms, 23rd. Snow, 2nd, 3rd, 7th, 9th, 16th, 21st, 23rd, 25th—28th. Rain, 13th, 14th, 19th, 20th. Unsettled weather, and many cloudy days.

GODERICH.—Snow, 2nd, 4th—7th, 9th, 10th, 13th, 15th, 16th, 19th, 23rd, 25th, 26th. Rain, 12th, 13th, 19th, 22nd, 23rd.

STRATFORD.—Wind storms, 1st, 6th, 12th, 13th, 16th, 23rd. Fogs, 8th, 13th. Snow, 2nd, 6th, 10th, 13th, 16th, 19th—21st, 23rd, 26th. Rain, 13th, 15th, 16th, 22nd, 23rd. Excess of mean temperature over average (February) 13 years + 0.°81.

HAMILTON.—Hail, 21st. Snow, 2nd, 4th, 6th, 7th, 9th, 16th, 20th, 25th. Rain, 13th, 19th, 20th.

SIMCOE.—Snow, 2nd, 5th, 13th. Rain, 20th.

WINDSOR.—Lunar halo, 24th, 25th. Wind storm, 23rd. Fog, 8th. Snow, 2nd, 4th, 6th, 25th. Rain, 12th, 13th, 15th, 19th, 22nd, 23rd.