

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

A COMPACT OR MONTHLY METEOROLOGICAL RESULTS compiled from the Returns of the daily observations at ten High School Stations. for SEPTEMBER, 1871.

OSERVERS:—*Pembroke*—James Smith, Esq., M.A.; *Cornwall*—James H. Coyne, Esq., B.A.; *Barrie*—H. B. Spotton, Esq., M.A.; *Peterborough*—Ivan O'Beirne, Esq.; *Belleville*—A. Burdon, Esq.; *Godditch*—James Preston, Esq., B.A.; *Stratford*—C. J. Macgregor, Esq., M.A.; *Hamilton*—A. Macallum, Esq., M.A.; *Sincee*—Dion C. Sullivan, Esq., LL.B.; *Windsor*—J. Johnston, Esq., B.A.

STATION.	BAROMETER AT TEMPERATURE OF 32° FAHRENHEIT.										TEMPERATURE OF THE AIR.										TENSION OF VAPOUR.																																																					
	Eleva- TION. a		MONTHLY MEANS.				HIGHEST.		LOWEST.		RANGE. Greatest in 24 hours.		MONTHLY MEANS.			DAILY RANGE.			LOWEST.		WARM- EST DAY.		COLDEST DAY.		MONTHLY MEANS.																																																	
			7 A.M. 1 P.M. 9 P.M. MEAN.			Mean Maximum.							Mean Minimum.	Mean Range.	Greatest. Date.	Least. Date.	Date.	Reading.			Date.	Mean Temp.	Date.	Mean Temp.																																																		
			North Latitude.a	West Longitude.a	Above the Lake.																						Above the Sea.																																															
Pembroke.	45° 50' 77" 10	0	Ft.	425-29-4103	29-3688	29-3525	29-3772	29-765	7 a.m.	14-28-907	1 p.m.	26	858	580-18	10-44	56-00	54-51	56-02	15-56	46-54	29-02	44-0	2	6-4	28	85-9	5	23-9	22	96-0	5	76-70	21	38-77	277	282	278	279																																				
Cornwall	45° 0	74-50	137	175-29-352	29-921	29-8234	29-8321	30-208	7 a.m.	14-29-383	1 p.m.	26	825	610-18	19-50	73-02	64-52	64-54	94-06	42-02	33-44	39-8	9	10-6	28	85-8	5	29-7	21	56-1	5	73-7	21	40-7	365	543	388	432																																				
Barrie	44-25-79-45	50		779-29-8106	28-0138	28-7756	28-7839	29-219	7 a.m.	14-28-134	1 p.m.	23	1985	608-92	28-52	05-05	34-52	92-56	77-09	55-43	06-26	47-38	30-9	1	15	92-9	5	28-0	21	64-9	5	78-27	30	42-30	319	365	326	337																																				
Peterborough	44-20-78-25			629-29-4170	29-3063	29-3639	29-3544	29-789	7 a.m.	14-28-983	1 p.m.	27	921	565-18	19-46	71-02	49-38	59-16	39-06	32-33	45-23	11-5	1	15	88-6	5	18-4	21	70-2	5	75-13	29	41-23	296	339	310	312																																					
Bellefleur	44-10-77-52	72		307-29-8010	29-7708	29-7600	29-7702	29-254	7 a.m.	2-28-338	7 a.m.	20	916	549-18	19-49	61-81	88-54	86-65	39-64	7-04	25-21	51-28	19	1	15	81-4	5	29-8	22	51-6	6	71-60	21	42-50	316	399	360	368																																				
Goderich	43-45-81-42			715-29-3005	29-3451	29-3226	29-3425	29-649	7 a.m.	11-28-983	7 a.m.	27	666	442-22	28-51	59-01	46-54	86-55	97-63	15-43	16-19	86-34	1	23	7-5	27	38-9	5	29-9	21	64-0	5	76-03	21	43-60	344	393	361	361																																			
Stratford	43-25-30-58			1182-28-8555	28-8313	28-8247	28-8372	29-133	7 a.m.	11-25-461	7 p.m.	27	672	421-22	28-47	43-60	62-51	45-53	17-62	75-41	28-21	47-30	5	9	6-9	15	83-2	5	24-7	21	58-5	5	72-30	21	38-77	308	355	331	331																																			
Hamilton.	43-12-70-50	90		324-29-7377	29-7301	29-7190	29-7290	30-030	7 a.m.	8-29-337	1 p.m.	27	683	483-22	28-52	04-05	53-20	56-76	69-07	41-01	25-06	42-5	9	10-3	15	91-8	5	25-7	21	66-1	5	77-8	21	44-1	344	386	345	359																																				
Simcoe	42-51-30-150			7162-29-138	29-104	29-052	29-111	29-392	7 a.m.	11-28-748	1 p.m.	27	684	49-3	02-9	53-3	55-31	46-91	43-51	22-94	37-0	23	10-0	15	88-3	4	31-4	21	56-9	4	72-73	21	42-20	345	435	373	382																																					
Windsor.	42-20-38-00			690-29-4979	29-4719	29-4639	29-4786	29-812	7 a.m.	30-29-178	1 p.m.	23	684	386-28	28-52	04-67	59-06	72-59	68-88	46-31	23-57	42-0	9	6-6	28	91-1	5	30-8	30	90-8	5	77-67	21	46-87	351	347	358	352																																				
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.										j Close to Lake Erie.										m On the Detroit River.										n Inland Towns.	

Approximation. *d* On Lake Simcoe

Approximation. *d* On Lake Simcoe *e* Near Lake Ontario on Bay of Quinte.

Approximation. *d* On Lake Simcoe *e* Near Lake Ontario on Bay of Quinte. *f* On St. Lawrence.

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.

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.

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.

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, *m* On the Detroit River,
 Close to Lake Erie, *t* On the Ottawa River.

[illegible]

Where the clouds have contrary motions, the higher current is entered here.

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

0 denotes that the sky is covered with clouds: 0 denotes that the sky is quite clear of clouds.

REMARKS.

Pembroke.—Lightning and thunder, with rain, 6th and 19th. Three shooting stars on 7th. Frost, 1st, 14th, 18th, 21st, 22nd, 30th. Wind storms, 9th, 25th. Fogs, 1st, 2nd, 4th, 8th, 9th, 11th, 12th, 22nd. Rain, 6th, 10th, 16th, 17th, 19th, 23rd, 25th—8th. Month very cold and very dry; mills shut down from want of water.

Cornwall.—Rain, 6th, 15th, 16th, 26th, 27th.

Barrie.—Solar halo on 14th, at 1 P. M. Frost, 14th, 18th, 20th—times very severe, and ice formed very early. Ground so dry that it is ploughed with difficulty. Foliage commenced falling, 26th.

Belleville.—Lightning and thunder, with rain, 19th. Frost, 21st, 22nd. Wind storm, 6th. Fog, 13th. Rain, 15th—19th, 26th, 28th, 29th. Barometer averaged high. Small amount of rain, 18th. Rainbow, 26th, in NE at 3 P. M., perfect arch. Frost, 18th,