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INTRODUCTION.

In compiling the present Review the principal data made use of are the telegraph reports of observations received at this office for the purpose of weather forecasting, and reports by mail from voluntary observers and storm signal agents. For the material used in tracing the paths of areas of high and low pressure in the United States, we are indebted to the Chief of the Weather Bureau, Washington, D.C.

REMARKS UPON THE WEATHER.

The weather of February though nowhere extraordinary was not altogether featureless, there being some marked departures in temperature : From the Ottawa Valley westward to the Pacific it was from average to 6° below, whilst eastward to the Atlantic it was 1° to 6° above. The precipitation west of Ontario was average or below in the western portion of the country and above in the eastern portion, including Ontario. There was much bright sunshine in most districts, but in the more eastern Provinces the almost perpetual cold winds were exceedingly unpleasant. A report from Victoria that frogs were piping on the 20th was the only note of spring like character.

The weather in British Columbia was almost normal, the temperatures and precipitation being about average and other conditions differing little. Along the coast there were strong westerly gales on the 5th and 28th and from the 13th to 17th light snow fell in Vancouver Island. Over the upper mainland the weather was mild during the first half of the month, after which it turned cold, whilst over the lower mainland the temperature changed more frequently. At Victoria frogs were piping on the 20th.

In the North-west Territories the weather was unusually cold, with a rather excessive amount of precipitation. A few blizzards were recorded but there were frequent calms and much bright sunshine. Temperatures of -40° were reported from several places and the minimum temperatures at most places occurred about the 8th. Owing to the light covering of snow sleighing was poor in most districts.

In Manitoba both the temperature and precipitation were below average and although it was unpleasantly, cold there was much bright sunshine and frequent calms. Blizzards occurred at several stations, but they were not very severe. The minimum temperatures were equally severe with those recorded in the Territories and occurred generally on or about the 9th. There was little snow for sleighing until the end of the month and in some districts the ground was bare.

The weather in Ontar.o was unusually cold and although there was much bright sunshine the almost perpetual keen winds made it exceedingly unpleasant, added to this was an excessive amount of precipitation, which, however, was largely made up of heavy falls of snow on or about the 4th and 28th. Some exceedingly low temperatures occurred in Muskoka, Nipissing, and in districts north of Lake Superior, the minimum, which occurred on or about the 1st and 28th, being between -30.0° and -40.0° at many places and -50.0° at White River. From about the 9th to the 20th the sleighing was poor, previous to and after this period however it was fair.

In the Province of Quebec the weather was rather milder than usual, but it was stormy and unpleasant and the precipitation exceeded the average. The minimum temperatures were nowhere unusual -28.0° at Brome being the lowest reported. Maximum temperatures exceeded 40° at many places. On the 9th and 13th there were heavy falls of rain causing floods in some places and much reducing the quantity of snow upon the ground.

The weather in New Brunswick was much like that in Quebec, both the temperature and precipitation being above average and strong winds and gales being exceedingly frequent. Minimum temperatures between -20.0° and -29.0° occurred at many places and maximum temperatures exceeding 50° were reported from three stations. In the southern portion of the Province much rain fell causing floods, but in northern districts the precipitation was almost altogether snow. The sleighing during the greater part of the month was poor excepting in northern districts where it was fair.

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In Nova Scotia the weather was unusually mild and the precipitation, which was mostly rain, was also above average. The lowest temperatures reported were -11.0° from Truro and -10.7° from Parrsboro, these being very low compared with reports from other stations. Maximum temperatures exceeding 50.0° occurred at several places. Gales and strong winds were unusually frequent. There was little sleighing and at the end of the month the coast of Cape Breton was free of ice.

The weather in Prince Edward Island was exceptionally mild but stormy, whilst the precipitation was about average. On the 27th it turned exceedingly cold the temperature dropping to $-9\cdot1^{\circ}$ at Summerside, this being the minimum of the month. Rain fell upon several occasions and the snow that fell was quickly melted, leaving the ground almost bare throughout the greater part of the month.—F. F. Payne.

ATMOSPHERIC PRESSURE.

The mean atmospheric pressure for the month was above average from British Columbia to Manitoba and elsewhere over the Dominion it was below the average. The greatest departure above average occurred in British Columbia and it amounted to from 05 to 10 of an inch whilst Ontario and Quebec gave the largest deficiency from average, ranging from 06 to 10 of an inch.

HIGH AREAS.

The high areas increased in importance as the month advanced; they all first appeared either near the Pacific Coast or the extreme North-west Territories, moved southeastward diminishing in intensity as they approached the more central portions of the Continent and in several instances showed a tendency to redevelop near the Atlantic Coast.

No. 1 was a comparatively feeble area over Texas on the 1st and moved eastward to the Atlantic. No. 2 was also rather feeble and was confined chiefly to the Western States. No. 3 appeared first over Saskatchewan, moved southeast and passed off the Middle Atlantic Coast. No. 4 moved southeast from the north-west States and Territories to the Middle Atlantic States and then with increasing intensity northeastward to the Maritime Provinces in advance of low area No. 2. No. 5 was a more pronounced area and brought the first very cold wave to Manitoba and the North-west Territories; it passed east and southeast with diminishing energy in rear of low area No. 2 and the cold was very moderate east of Lake Michigan. No. 6 was by far the most important high of the month, it appeared over the North-west Territories on the 12th and for some five days hovered there accompanied by very low temperature; it then became somewhat broken up and moved slowly eastward and southeastward to the Lake Region and Atlantic States.

LOW AREAS.

No. 1. The pressure gave way rapidly over the far Western States during the 2nd and by the next morning a well defined low was centred in Arkansas; it moved with slowly increasing energy to the Middle Atlantic Coast and there suddenly developing into a severe storm, passed during the 5th northeastwards to the Gulf of St. Lawrence and then soon disappeared. Under the influence of this area from 5 to 10 inches of snow fell in Southern Ontario and Western Quebec during the 4th and heavy southeast veering to westerly gales with rain and sleet occurred in the Maritime Provinces during the 5th. No. 2. During the 5th and 6th a low moved quickly southeast from Northern Alberta to the Lower Missouri Valley and apparently during the 7th another moved northeastward from Arizona, the two forming a trough of low pressure stretching from Lake Superior to the Gulf of California. By the night of the 7th there was a well defined focus in Kansas and then with increasing energy the storm moved northeastward across the Lake Region there giving a general and heavy snowfall accompanied by strong winds. During the latter part of the 8th and during the 9th the area quickly dispersed over Quebec, and rain, while heavy in that Province, did not extend further east. No. 3. A somewhat similar doubt exists as to the origin of No. 3 as of its predecessor ; during the 10th and 11th a low moved from the far North-west Territories to the Lake Region; on the morning of the 12th there were evidences of another over the Southwest States and by night there was a well defined focus in Kentucky, whence with quickly increasing energy a storm moved northeastward across the Lake Region and thence down the St. Lawrence Valley ; a heavy rainfall occurred in the Dominion from Ontario eastward and easterly to southerly gales were generally prevalent during the 13th. No. 4 was very shallow, first appeared over the Lower Lake Region on the 15th and moved eastward to the Atlantic giving a light snowfall in the Southern portions of Ontario, Quebec and the Maritime Provinces. No. 5 appeared over the Southern States on the 16th and moved to the Atlantic being centred between Bermuda and the Mainland early on the 17th ; it then moved northward with quickly increasing energy and on the morning of the 18th was approaching the Maritime Provinces where violent easterly gales prevailed accompanied by snow and sleet. At night the centre passed across Nova Scotia; westerly gales were reported generally, and during the 19th the storm passed beyond the range of the Weather Chart. No. 6 may be located over the extreme Southwest States on the 19th; on the morning of the 21st it

was centred in Missouri, whence during the next 24 hours it moved slowly to Pennsylvania apparently being reinforced by a subsidiary from the South Atlantic States, an easterly gale with snow and sleet prevailing the while in Ontario. Its subsequent movement was eastward and off the Atlantic Coast, a northeast gale and snowstorm prevailing during the night of the 22nd in the St. Lawrence Valley and a heavy easterly gale with sleet and rain in the Maritime Provinces, much damage being done at some points by the freezing rain. No. 7 was the most pronounced low area of the month; like several of its predecessors its origin is doubtful, but it may certainly in part be identified with a low which passed into Alberta from the Pacific on the 21st and thence passed quickly eastward across the Territories. During the evening of the 23rd it was centred over the Upper Lake Region and a trough of low pressure extended thence to the West Gulf States. By the morning of the 24th there was a well defined focus over Lake Huron, and then rapidly becoming deeper, what was now a most pronounced disturbance, moved eastward across the St. Lawrence Valley, sleet and rain with high southeast winds being in all districts followed by severe westerly gales and colder weather. No. 8 appears to have originated near the Pacific Coast, moved thence to Texas and then with increasing energy northeast and east across the Southern States, a snow storm prevailing in the Lower Lake Region while the storm centre was still in Arkansas and Georgia. No. 9 appeared over British Columbia on the 27th and moved across the Canadian North-west Territories unaccompanied by precipitation ; it was ultimately absorbed in No. 8 of which the subsequent movements early in March will be mentioned in the Review for that month.

WINDS.

In the North-west Territories and Manitoba there was a decided preponderance of North-westerly and westerly winds but in the Lake Region generally north-easterly and easterly winds were of frequent occurrence, and it is doubtful whether in some localities they did not predominate. To the eastward of this again, westerly winds were more persistent and south-westerly winds prevailed at Montreal and westerly at Quebec, Father Point and stations in the Maritime Provinces. The winds seldom reached the force of a gale over the western portions of the Dominion; but in the Lake Region gales occurred on several days and in the Maritime Provinces there were five heavy gales. Ample warning by means of bulletins and storm warnings was given of all the storms which occurred in the Maritime Provinces and on one occasion warning signals were displayed and no storm ensued.

BRIGHT SUNSHINE.

Bright sunshine was in excess of the average in nearly all parts of the Dominion except the Maritime Provinces where there was a decided deficiencey. The departure from the average was small in British Columbia being an amount equal to but two per cent of the possible; in Manitoba and the North-west Territories the departures varied from 03 at Battleford to 06 at Indian Head and in Ontario from 02 at Toronto to 0.10 at Lindsay.

TEMPERATURE.

Temperature was above average in British Columbia, Quebec, the Maritime Provinces and the extreme eastern portion of Ontario, and below everywhere else. The greatest departure above average occurred in Cape Breton and Prince Edward Island, amounting to 7°, and the largest deficiency was reported at Prince Albert, amounting to 8°. In Manitoba, Winnipeg was 5° below average ; whilst in Northern Ontario, Port Arthur was 5° below, and in Southern Ontario, Port Stanley was 3° below.

The Highest and Lowest Temperature in each Province during February, 1900, were :

British Columbia,	58° 0 on 28th at Agassiz.	$-26^{\circ} \cdot 0$ on 14th at Barkerville, Quesnelle
		Forks and on 23rd at Chilicoten.
North-west Territories,	$54^{\circ} \cdot 0$ on 24th at Calgary.	$-44^{\circ}.5$ on 9th at Prince Albert.
Manitoba,	37°.8 on 22nd at Treherne.	$-42^{\circ}\cdot 3$ on 9th at Minnedosa.
Ontario,	61° 0 on 9th at Windsor.	-50° 5 on 1st at White River.
Quebec,	47° 0 on 13th at Brome.	-28° 0 on 2nd at Brome.
New Brunswick,	50°·8 on 25th at St. Stephen.	$-29^{\circ}0$ on 3rd at Fredericton and
		Chatham.
Nova Scotia,	54°.0 on 2nd at Port Hastings.	—11°·0 on 17th at Truro.
Prince Edward Island.	47° 0 on 26th at Hamilton.	- 9°·1 on 27th at Summerside.

PRECIPITATION.

Precipitation was below average throughout British Columbia, but elsewhere over the Dominion it was above average, except the north shore of Lake Superior, and locally in the North-west Territories and Manitoba. In many portions of Ontario, Quebec an the Maritime Provinces the average amount was exceeded by from two to three inches. In British Columbia and the Maritime Provinces the precipitation was largely rain, but in the other portions of Canada it was chiefly snow, several of the falls being decidedly heavy. On the last day of the month over the greater portion of Ontario the depth of snow on the ground was from 20 to 26 inches, and in Quebec and Northern New Brunswick it was from 20 to over 30 inches. Owing, however, to the heavy snowstorm which was in progress, the amount of snow on the ground on the 28th was considerably increased on March 1st over Eastern Ontario and in Quebec. In the Qu'Appelle Valley the snow was 24 inches deep, but in the Territories and Manitoba generally it was from 2 to 14 inches in depth.

THICKNESS OF ICE.

NORTH-WEST TERRITORIES AND MANITOBA.—Battleford, 24 inches; Medicine Hat, 20 inches; Swift Current, 30 inches; Minnedosa, 30 inches; Brandon, 38 inches.

ONTARIO.—Port Arthur, 30 inches; White River, 21 inches; Parry Sound, 24 inches; Southampton, 12 inches; Port Stanley, 6 inches; Kingston, 14 inches; Bissett, 18 inches; Lakefield, 17 inches; Paris, 18 inches; Hamilton, 13 inches; Barrie, 16 inches; Ottawa, 20 inches; Wiarton, 14 inches; Sparrow Lake, 23 inches; Orillia, 18 inches; Durham, 15 inches; Port Dover, 16 inches; Stratford, 18 inches; Gravenhurst, 18 inches.

MARITIME PROVINCES.— Chatham, 21 inches; Yarmouth, 10 inches; Charlottetown, 14 inches; Sydney, 6 inches; Fredericton, 21 inches.

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PRESSURE, TEMPERATURE, WIND AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, FEBRUARY, 1900. a Barometer not reduced to sea level. * Stations not furnished with Registering Thermometers.

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PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, &c., DURING FEBRUARY, 1900.

		R	AINFAL	L.			SNOT	WFALL.		
STATIONS.	Amount in inches.	'01 or	No. of Fair Days.	Heaviest Fall in Month.	Date.	Amount in inches.	No. of Days.	Heaviest Fall in Month.	Date.	Remarks.
BRITISH COLUMBIA— Vancouver. Royal Oak. Cumberland . Nanaimo . Goldstream Lake . Alberni. Naas Harbour Langley.	2.75	$20 \\ 14 \\ 7 \\ 8 \\ 16 \\ 14 \\ 9 \\ 14$	$ \begin{array}{r} 6\\ 12\\ 19\\ 17\\ 9\\ 10\\ 12\\ 11\\ \end{array} $	$\begin{array}{c} \text{in.} \\ 0.94 \\ 0.46 \\ 0.66 \\ 0.80 \\ 0.94 \\ 0.64 \\ 2.90 \\ 0.89 \end{array}$	$28 \\ 27 \\ 21 \\ 17 \\ 28 \\ 27 \\ 3 \\ 27 \\ 3 \\ 27 \\ $	$\begin{array}{c c} \text{in.} \\ \hline 5.7 \\ 10.0 \\ 6.0 \\ 13.0 \\ 12.7 \\ 20.0 \\ 8.0 \end{array}$	2 3 4 3 5 7 3	in. 	8 16 17 16 16 16 8 19 16	6th, violent squall from S.W.
N. W. TERRITOHIES— Saltcoats. Coutts. N. E. Beaver Hills. Innisfail Stratheona.		<i>.</i>			4	$ \begin{array}{r} 3.6\\ 3.2\\ 17.3\\ 5.7\\ 12.8 \end{array} $	$ \begin{array}{c c} 6 \\ 2 \\ 12 \\ 6 \\ 14 \end{array} $	$ \begin{array}{r} 1 & 1 \\ 3 \cdot 0 \\ 4 \cdot 0 \\ 3 \cdot 0 \\ 4 \cdot 0 \end{array} $	$10 \\ 5 \\ 11 \\ 10 \\ 2$	
MANITOBA Norquay Hartney Oakbank Shoal Lake Belmont Morden					•	11	$7 \\ 4 \\ 6 \\ 1 \\ 6 \\ 1 \\ 1$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		40° on 8th. 34 \cdot 5° on 9th, 32° of 22nd.
ONTARIO- Cherry Valley Roblins Mills. Sparrow Lake Uxbridge Lansdowne Arden Watford. Goderich Wyoming Midland Georgetown Scarboro'. Oliver's Ferry. Orangeville. Wiarton Wooler. Emsdale. Jermyn. Parma. Port Burwell. Mortague Lyndoch Sunshine. Princeton. Aurora. Wilton Grove. Huntsville Lion's Head. Dutton Kitley. Croydon. Ursa. Providence Bay. Deer Park. Emsismore Dealtown New Brunswick- Point Escuminac.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 7 \\ 2 \\ 3 \\ 2 \\ 3 \\ 6 \\ 3 \\ 2 \\ 1 \\ 3 \\ 5 \\ 9 \\ 4 \\ 4 \\ 3 \\ 6 \\ 4 \\ 2 \\ 5 \\ 5 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4$	$\begin{array}{c} 14\\ 22\\ 11\\ 18\\ 20\\ 16\\ 18\\ 21\\ 10\\ 14\\ 9\\ 9\\ 16\\ 18\\ 18\\ 15\\ 20\\ 14\\ 17\\ 8\\ 9\\ 9\\ 10\\ 15\\ 13\\ 18\\ 18\\ 18\\ 18\\ 18\\ 18\\ 11\\ 13\\ 15\\ 17\\ 21\\ 11\\ 18\\ 18\\ 18\\ 18\\ 18\\ 18\\ 18\\ 18\\ 1$	$\begin{array}{c} 0.80\\ 0.65\\ 0.80\\ 0.27\\ 0.48\\ 0.78\\ 0.68\\ 1.50\\ 0.10\\ 1.05\\ 1.05\\ 1.05\\ 1.05\\ 1.10\\ 0.52\\ 1.05\\ 1.10\\ 0.50\\ 0.95\\ 1.15\\ 1.31\\ 1.42\\ 0.63\\ 0.75\\ 0.82\\ 1.75\\ 1.24\\ 1.26\\ 1.05\\ 1.05\\ 0.90\\ 2.00\\ 0.50\\ 0.75\\ 0.82\\ 1.75\\ 1.24\\ 1.26\\ 1.05\\ 0.90\\ 2.00\\ 1.01\\ 0.30\\ 0.75\\ 0.71\\ 0.71\\ 0.71\\ 0.71\\ 0.71\\ 0.71\\ 0.82\\ 0.90\\$	$\begin{array}{c} 12\\ 8\\ 8\\ 12-13\\ 22\\ 9\\ 12\\ 8\\ 13\\ 8\\ 13\\ 22\\ 13\\ 8\\ 13\\ 22\\ 13\\ 8\\ 13\\ 9\\ 9\\ 8\\ 13\\ 13\\ 9\\ 9\\ 8\\ 8\\ 13\\ 13\\ 9\\ 8\\ 8\\ 13\\ 13\\ 8\\ 8\\ 7-8\\ 23\\ 12\\ 3\\ 14\\ 14\\ \end{array}$	$\left \begin{array}{c} 5 \cdot 0 \\ 16 \cdot 0 \\ -29 \cdot 0 \\ 29 \cdot 0 \\ 36 \cdot 0 \\ 13 \cdot 5 \\ 16 \cdot 0 \\ 42 \cdot 7 \\ 23 \cdot 0 \\ 18 \cdot 0 \\ 16 \cdot 5 \\ 39 \cdot 0 \\ 35 \cdot 5 \\ 33 \cdot 0 \\ 8 \cdot 0 \\ 33 \cdot 7 \\ 28 \cdot 0 \\ 34 \cdot 0 \\ 34 \cdot 0 \\ 49 \cdot 0 \\ 40 \cdot$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 4 \cdot 0 \\ 3 \cdot 0 \\ 3 \cdot 0 \\ 11 \cdot 5 \\ 17 \cdot 0 \\ 4 \cdot 0 \\ 5 \cdot 0 \\ 18 \cdot 0 \\ 6 \cdot 0 \\ 8 \cdot 0 \\ 19 \cdot 7 \\ 5 \cdot 0 \\ 9 \cdot 7 \\ 6 \cdot 0 \\ 12 \cdot 0 \\ 14 \cdot 0 \\ 12 \cdot 0 \\ 18 \cdot 0 \\ 0 \cdot 8 \\ 0 \cdot 1 \\ 0$	$\begin{array}{c} 4\\ 28\\ 2\\ 21to2;\\ 4\\ 5\\ 28\\ 25\\ 28\\ 225\\ 28\\ 28\\ 22\\ 22\\ 22\\ 22\\ 22\\ 22\\ 22\\ 22$	Fog on 5 days. 25th, fearful gale fro N.E. 25th, very stormy.
Nova Scotla— Port Morien	. 1.89	4	21	0.62	5	9.2	4	4.0	18	
P. E. ISLAND Mount Stewart Murray River		3	$24 \\ 22$	$1^{+}05 \\ 0^{+}42$	25 1	1`3 8`0		$1^{\cdot 3}_{4^{\cdot 0}}$		

Aurora recorded_

Where the class of aurora is noted by the observer, it is given (I) being the brightest, (IV) the feeblest in brilliancy.

- 1. Savanne, Pembina Crossing, IV.
- 2. Savanne.
- 3. Savanne, Belmont, Battleford, II; Minnedosa, IV.

4. Savanne, Aweme, II; Cannington Manor, Qu'Appelle, Swift Current, III; Barnardo, II; Oonikup, Strathcona, III; Tagish, III; Red Deer, III.

- 5. Savanne, Battleford, IV; Minnedosa, IV.
- 7. Savanne.
- 9. Pembina Crossing, II; Minnedosa, IV; Channel Island, IV.
- 10. Minnedosa, IV.
- 15. Gravenhurst, IV.
- 17. St. Anne de la Pocatière.
- 20. Savanne, Aweme, IV; Medicine Hat, IV; Barnardo, IV; Red Deer, III; Tagish, II.
- 21. Medicine Hat, IV; Minnedosa, IV.
- 22. Battleford, III.
- 23. Hillview, III; Aweme, IV; Barnardo, II.
- 24. Red Deer, IV.
- 25. Savanne, Battleford, IV; Oonikup, Red Deer, IV; Channel Island, IV.
- 26. Treherne, IV; Hillview, IV; Aweme, IV.
- 27. Minnedosa, IV; St. Anne de la Pocatière, IV.

PROPORTION OF BRIGHT SUNSHINE REGISTERED IN EACH HOUR OF THE DAY DURING WHICH THE SUN
WAS ABOVE THE HORIZON IN THE MONTH OF FEBRUARY, 1900.

,	Hours Ending															
	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a .m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.
Victoria.			0.00	0.11	0·29	0.30	0.33	0 [.] 33	0.27	0 28	0.28	0.26	0.03			
Kuper Island			0.00	0.00	0.28	0.30	0.29	0·28	0.28	0.31	0.32	0.34	0 [.] 14			
Agassiz			0.00	0.00	0 ·09	0·19	0.27	0.36	0.34	0.34	0 [.] 28	0.25	0.08			• • • • •
Battleford			0.00	s	0.20	0·46	0.57	0.23	0.66	0.62	0.26	0·39	0.06			
Indian Head			0.62	0.36	0.47	0.49	0.60	0.20	0.54	0.52	0 52	0·34	0.03			
Brandon			0.21	0 [.] 53	0.28	0 [.] 68	0 ⁻ 66	0 [.] 63	0 [.] 55	0.26	0.49	0.12	0.00		• . •	• • • • •
Winnipeg			0:00	0.15	0.42	0.63	0.71	0·69	0 [.] 65	0 [.] 63	0.57	0·45	0·28	0.01		· • • • •
Durham			0.00	0.02	0·06	0 [.] 12	0·17	0.26	0·35	0·32	0·26	0 ·20	0.03			· • • •
Woodstock		• • • • • •	0.00	0.08	0·16	0 [.] 41	0.42	0·43	0 [.] 46	0·42	0.20	0.42	0.28			. .
Toronto			0.00	0.03	0.34	0 · 46	0.42	0.44	0.40	0.40	0·47	0.43	0.32	0.03		
Lindsay			0.00	0.12	0.33	0.45	0·56	0·53	0.52	0·48	0·49	0 [.] 44	0.42	0.50		••••
Barrie.			0.02	0.12	0.28	0.33	0.42	0.47	0.23	0·47	0.32	0.32	0.03	0.00		
Kingston			0.02	0.21	0.43	0.41	0.45	0.53	0.20	0.21	0·46	0·43	0.21			
Ottawa.			0.00		0 [.] 34	0.38	0.46	0.52	0.23	0.23	0 [.] 45	0 [.] 41	0.15			
Montreal.			0.00	0.08	0 30	0.36	0.40	0.21	0.26	0.26	0 51	0·45	0.13			
Fredericton			0·20			0.49			0·40	0.40	0.38	0.56	6 0.01			
	1 []	1	 				l	 	 			<u> </u>	<u>}</u>)
	Victoria.	Kuper Island.	Agassiz.	Battleford.	Indian Head.	Brandon.	Winnipeg.	Durham.	Woodstock.	Toronto.	Lindsay.	Barrie.	Kingston.	Ottawa.	Montreal.	Fredericton.
Mean proportion for month	0.24	0.26	0.21	0 [.] 42	0.39	0.48	0·49	0.12		0·37	1	1	4 0·40	0.36	8 0·44	0.8
Difference from average	0.05	2 + 0 · 03	0.00	0.03	0.06	0.04	0.05	-	0.06	+ 0·02	0.10	0.0	8 0.0	5 -	0.05	e 0.0
Maximum daily amount	0.86	8 0.88	0.80	0.95	0.80	0.91	0.88	0.60	0.91	0.90	1.00	0.8	5 0.9	5 0.8	3.0.3	0.8
Date	18	3 11	15	5 16	25	25	1	27	27	26	3 20	3 2	6 2	6 2	7 14-2	
No. of days completely clouded	8	3 13	14	1 8	5	6	3 4	12	2 10			3	8 1	0	7 8	3

The forecasts issued by this office at 11 p.m. each night, are posted up at every telegraph station in Canada, and are for the 24 hours beginning at 8 a.m. the following day.

	Ň		VERI	FIED.			
District.	No. Issued.	No. Fully	No. Partly	No. Not	Percentage		
Manitoba	75	65	5	5	90.0		
Lake Superior	79	60	13	6	84.2		
Lower Lake Region	97	74	11	12	82.0		
Georgian Bay	98	75	· 11	12	82.1		
Ottawa Valley	89	75	ð	9	87.1		
Upper St. Lawrence	88	70	13	. 5	86.9		
Lower St. Lawrence	90	73	10	7	85.6		
Gulf	88	71	11	6	86.9		
Maritime Provinces	90	69	10	11	82.2		
Total	794	632	89	73	85.2		

In order to obtain the percentage of verification of the predictions, the number partly verified is divided by two and added to the number fully verified, and the result divided by the total number issued.

In ascertaining to what extent the predictions have been verified, the reports from the agents at all observing stations, as well as the telegraphic reports, are used.

SUMMARY OF THE TEMPERATURE CONDITIONS WHICH PREVAILED AT DAWSON CITY, YUKON TERRITORY, FROM 1ST MAY, 1899 TO 28TH FEBRUARY, 1900.

May, 1899—Frost on nine nights, minimum 17° on the 3rd, maximum temperature above 70° on eight days highest 85° on the 31st.

June, 1899-No frost, minimum 39° on the 1st, mean maximum 73.5°, highest 90° on the 28th.

July, 1899-No frost, minimum 39° on the 30th, maximum over 90° on four days, highest 95° on the 9th, mean maximum 81°.

August, 1899—Frost on the 20th, minimum 30°, maximum 87° on the 2nd.

September, 1899-Frost of frequent occurrence, minimum 21° on the 24th, maximum 79° on the 2nd.

October, 1899—One night only without frost, seven nights below zero, -10° on the 18th and 19th, seven days with maximum above the freezing point, highest 62° on the 6th.

November, 1899-Seven nights below zero, minimum -15° on the 12th, maximum 30° on the 1st.

December, 1899—Five nights only with minimum temperature above zero, thirteen nights more than 30° below; lowest, -50° on the 30th, maximum temperature 18° on the 5th, mean minimum -21° , mean maximum -13° , mean temperature -17° .

January, 1900—Mean minimum temperature -29° , lowest temperature -56° on the 16th, maximum above zero on four days, highest 7° on the 31st, mean maximum -16° , mean temperature for the month $-22 \cdot 5^{\circ}$.

February, 1900—Mean minimum temperature -16° , lowest temperature -44° on the 21st, mean maximum temperature -2° , highest temperature 19° on the 26th, mean temperature for the month -9° .

R. F. STUPART, Director.

Meteorological Office, Toronto, 26th March, 1900.