

## METEOROLOGICAL SERVICE, DOMINION OF CANADA.

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# Monthly Weather Review.

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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 in Canada during September was chiefly remarkable for the exceptionally bright warm weather which prevailed throughout the greater portion of British Columbia and the North-west Territories, also the cool weather with much cloud and heavy rainfall in Ontario. Elsewhere the weather did not differ much from normal.

In the Province of British Columbia the weather was unusually fine and warm the temperature being well above average in most places and the rainfall generally below. The ripening of grain, so much retarded by the cool wet weather of August, made rapid progress, and losses expected were fortunately not realized.

The weather conditions in the North-west Territories were even more favourable than in the last named province it being exceptionally fine and warm, whilst the rainfall was about average. The maximum temperatures which occurred at most places on or about the 25th, were generally well above 80°. Frosts were reported from all stations and at some places they were severe, nevertheless little damage appears to have been caused thereby.

In Manitoba the weather did not differ much from normal excepting in the amount of bright sunshine which at most places was unusually large; in the eastern portion however it was somewhat cooler than usual and at most places the rainfall was below average. The lowest temperature occurred nearly everywhere on the 29th, and 14° was recorded at Rosebank on that date. By the 30th vegetation had quite a wintry appearance.

In Ontario the weather was for the most part exceptionally cold, cloudy, and wet, more especially during the latter half of the month. Nearly everywhere the temperature was well below average and although the departure in the rainfall above average was only important in northern and eastern districts it was almost general. The maximum temperatures which were at most places between 80° and 90° exceeded the latter figure at a few stations. The frosts which occurred were unusually frequent and early, and in some districts were severe. These repeated frosts quickly showed their effect upon vegetation the trees taking on their autumnal tints, very early. Snow fell at many places during the last few days of the month, a depth of four inches being reported from London on the 30th.

The weather in the province of Quebec did not differ much from the normal excepting in a few districts; on the whole however it was somewhat cooler and more cloudy than usual, more especially during the latter half of the month. The maximum temperatures recorded only reached 80° at two stations, whilst the minimum temperatures were in many instances higher than in Ontario, 41° being the minimum at South-west Point Anticosti and 36° at Montreal. The trees changed colour towards the end of the month.

In New Brunswick the weather was almost normal, the rainfall however was somewhat below average at most places and in the vicinity of Moncton it was exceptionally dry. The maximum temperatures at most places were 80° or a little below and the minimum temperatures reported were from 42° at Grand Manan to 20°·5 at Sussex. The only gale recorded occurred on the 6th, when the wind registered 48 miles per hour at St. John.

In Nova Scotia the departures from normal were not important; it was however somewhat warmer than usual in most districts and at the larger number of stations the rainfall was above average. At most places the maximum temperatures were between 70° and 75°, and the minimum temperatures between 48°·0 at Sable Island and 28°·8 at Parrsboro. Most trees were still quite green at the end of the month. A strong gale from the west and northwest occurred on the 6th and 7th.