

month was one of the quietest Octobers on record ; on the Great Lakes while strong winds occurred on several occasions there was nothing, even locally, beyond a moderate gale. In the Maritime Provinces and Gulf of St. Lawrence a fresh to heavy gale occurred on the 7th, and strong winds and moderate gales were recorded in the Gulf on several occasions. There was a strong northerly to westerly gale in Manitoba on the 16th, and very strong winds had occurred generally during the previous week.

### TEMPERATURE,

The mean temperature of the month differed little from normal on Vancouver Island and the Lower Mainland of British Columbia, but on the Upper Mainland it ranged from 2° to 5° below. In Alberta and the Western portions of Assiniboia and Saskatchewan it was about 4° below average, but east of this near the western boundary of Manitoba, the departure from average became plus, and Eastern Manitoba was from 3° to 4° above. All the remaining inhabited portions of Canada were also above, the greatest departures being from 5° to 6° in Western and Southern Ontario. At nearly all points in the Maritime Provinces the difference from normal was about 2° above.

*The Highest and Lowest Temperature in each Province during October, 1899, were :*

British Columbia,	76°·0 on 4th at Hazlemere.	10°·0 on 13th at Barkerville.
North-west Territories,	83°·0 on 5th at Gatesgarth.	—10°·0 on 14th at Mosquito Creek.
Manitoba,	83°·5 on 6th at Aweme.	1°·0 on 10th at Barnardo.
Ontario,	85°·0 on 15th at Cottam.	12°·0 on 1st at Savanne.
Quebec,	77°·0 on 15th at Richmond.	16°·0 on 22nd at Brome.
New Brunswick,	74°·4 on 26th at St. Stephen.	20°·0 on 24th at Sussex.
Nova Scotia,	74°·0 on 15th at Port Hastings.	23°·0 on 24th at Wolfeville.
	and on 19th at Wolfeville.	
Prince Edward Island,	70°·0 on 1st at Hamilton.	33°·5 on 23rd at Summerside.

### PRECIPITATION.

The conditions as regards precipitation, were not abnormal to any marked degree in any part of the Dominion. From British Columbia reports received, it would appear that the average was somewhat exceeded in that Province ; and in the North-west Territories and Manitoba the total, while comparatively small in most localities was yet in excess of the average, and in the Territories fell largely as snow. At Qu'Appelle, the station reporting the largest amount, it was wholly snow, and twenty-four inches fell between the 10th and 14th. In the Peninsula of Ontario, that is over the portion of the Province lying west of a line connecting Parry Sound and Belleville, the rainfall was considerably above average, and at some stations near Lakes Ontario and Erie nearly double the average, but in the more eastern and northern parts of the Province there was a deficiency, the rainfall averaging in the neighbourhood of two inches. In Quebec and New Brunswick there was a very general deficiency, Montreal being the only station reporting an amount slightly greater than average. In Nova Scotia and Prince Edward Island the fall was for the most part either equal to or in excess of the normal.

### BRIGHT SUNSHINE.

Bright sunshine was below average in British Columbia and the North-west Territories, the percentage of possible duration ranging from 19 at Agassiz in the Lower Frazer Valley, B.C. to 38 at Battleford, N. W. T., both being 11 less than the average. In Manitoba the amount recorded was just equal to the average, or 37 per cent of the possible at Winnipeg. In Ontario the average was exceeded by from 3 to 7 per cent, the amounts recorded ranging from 38 at Barrie to 46 at Woodstock and Kingston. At Montreal the percentage of the possible duration was 40, or 1 less than average, and at Fredericton, N.B., it was 50 or 8 in excess of the average.