

these I found at least two striking instances. One plant of the common wild strawberry, *F. virginiana*, was in bloom some ten days before its sister plants in 1902, namely on the 11th of April; and on the 17th of April, 1903, I found one Canada violet expanded, while I found no others anywhere till eight days later. Both these plants are still growing and blooming late in the fall; and winter had in this case probably caught both of them in bud. Thus the strawberry, being a perennial, and the Canada violet, protected by the thick snowy garment, acting probably as a winter annual, were both ready to proceed and open their blossoms as soon as Winter released his grip.

To account for the remarkably sudden and rapid advance in the growth of the plants last May, we should naturally infer that there must have been some remarkable phenomenon in the weather of that month. In order, then, to ascertain this accurately and to see whether the conclusions from my observations of the Comparative Phenology of 1902 and 1903 were borne out by the Comparative Meteorology of these two seasons, I, after writing the above conclusions, applied to the weather bureau for a statement of the progress of the weather during the periods named, and particularly of the temperature and rainfall. These were courteously furnished me by the Deputy Minister of Marine.

Comparing first the daily maximum temperature for the two seasons, it came out that while the maximum daily temperature of March was just about the same in both years, namely 42.3° in 1902, and 42° in 1903, yet it was better distributed to stimulate growth in 1902. For, while the first eighteen days were the same in both months, the next two days were unusually cold in 1902 and unusually warm in 1903, and consequently the rest of the month, *i.e.*, the last third, the important part for vegetation, was on an average 6.5° warmer per day in 1902, being 52° in 1902 and 45.5° in 1903. This gave that year a slight advantage at the start, which was seen in the blooming of hepaticas, for example, on the 28th March, 1902, and on the 30th in 1903; and of the silver maple on the 26th in 1902 and the 29th in 1903. This slight advantage in favor of 1902 was increased during the first third of April which was warmer in 1902 by 1.8° per day. During the rest of April, 1902 had a slightly higher average daily maximum