varied more than a quarter of a degree from 11·82° of the centigrade scale; equal very nearly to 53¼° of Fahrenheit.

A few experiments have been made to determine the variation of the temperature, throughout the year, at different depths from the surface, down to the invariable stratum; and the following is a summary of the results, which, perhaps, may be considered as generally applicable to the northern hemisphere.

In the month of August, the temperature of the earth decreases, in nearly a uniform manner, from a little below the surface, to the stratum of invariable temperature. In the month of September, the temperature is nearly uniform to fifteen or twenty feet below the surface; beyond which depth, the temperature decreases a little and slowly, to the stratum of invariable temperature. During the months of October, and November, the temperature increases from the surface, to the depth of fifteen or twenty feet; and below this depth, it remains nearly uniform to the invariable stratum. During December, January, and February, the temperature, being at its minimum upon the surface, increases in a manner nearly uniform, downwards to the invariable stratum. During March, and April, there is a rapid decrease of temperature to the depth of one or two feet; below this depth, the temperature decreases less rapidly;