of 1896. That winter it killed to the ground and only made weak growth in 1897 ; the next winter it killed back ⅔, the third ½ ; the fourth winter it was almost hardy to the tips, and it was also the same last winter. This is a good example of the acclimatization of trees.

Cornus florida, Linn. (Flowering Dogwood). One specimen of this tree was practically hardy from 1897 until last winter, when it killed to near the ground. Other specimens were not as hardy.

Nyssa sylvatica, Marsh (Sour Gum). The tree now living was planted in the spring of 1897 ; the first winter it killed back ½, the next ½, the third it was hardy nearly to the tips, and again the same last winter.

Sassafras officinale, Nees. (Sassafras). This has killed out root and branch thus far, though it has not been as thoroughly tested as some of the others.

The following other trees peculiar to south-western Ontario, appear to be hardier than the above, and some individual trees are perfectly hardy.

Platanus occidentalis, Linn. (Buttonwood).
Castanea sativa, Mill, var. *Americana* (Chestnut).
Fraxinus quadrangulata, Michx. (Blue Ash).
Gleditschia triacanthos, Linn. (Honey Locust).

Some of the rest, such as *Gymnocladus canadensis*, *Cratægus Crus galli*, *Pyrus coronaria*, and *Juglans nigra*, are quite hardy.

A few of the coast trees of British Columbia kill out root and branch, among such being *Acer macrophyllum*, *Arbutus Menziesii*, *Cornus Nuttallii* and *Quercus garrayana*.

It is interesting to note that, out of the list of 121 species of native trees published by Prof. J. Macoun, about 100 have proven hardy or half hardy here, and the writer has no doubt that, when all the species are tested, there will not be more than 10 which can not be grown at Ottawa.

The question of the acclimatization of trees, shrubs and plants is a very important one, and one in which there is a good field for work at the Central Experimental Farm. I have mentioned a few instances where native trees have gradually become hardier after being planted several years. It might have been further