

gua. As one climbs up the broad slope of the volcano the character of the vegetation changes considerably, and many of the plants common in gardens at Antigua are not grown here because of the cold. Among the plants which are conspicuous by their absence are the banana, the orange (and other citrus fruits), and the tender ornamental plants, such as the royal palm. In their stead, the gardens of the Indians at Santa Maria are filled with peach trees, chayote vines, granadilla vines (*Passiflora ligularis*), and vegetables such as peas. The hardy Abyssinian banana is a common ornamental plant. Among the plants of the lower elevations which persist are the cherimoya, the avocado, and the matasano (*Casimiora*), though I only saw one tree of the latter. *Grevillea robusta* is one of the commonest ornamental trees. It can thus be seen that the vegetation is not at all tropical in character, and it must get quite cold in winter. The Commandant assures me that it goes below freezing, but figures are lacking. This avocado has been obtained in the hope that it may prove hardier than those from lower elevations, and thus of value farther north in Florida than the majority of varieties can be grown. In California it may succeed in regions which are a trifle too cold for the average Guatemalan variety. It should at least be given a test with this in view. The fruit is not yet fully grown, so it cannot be fully described. The tree is about 25 feet high, and is carrying a fair crop of fruit. It has good large wood and seems to be a stronger grower than some I have seen. The fruits are almost round, tending toward broadly obovoid, and obscurely ribbed. The surface is very light green, almost glossy, with numerous large yellowish dots. The skin is slightly over one-sixteenth inch thick, and the seed is very small in comparison with the size of the fruit. It looks like a good avocado. The season of ripening could not be ascertained, but probably is not earlier than April." 43487. "From the garden of an Indian, near the center of the village, to the west of the church. This village is situated on the road between Guatemala City and Antigua, at an elevation of 6850 feet, (according to my barometer.) The principal fruit trees in the garden of the Indians are peaches, cherimoyas, avocados, quinces, manzanillas (*hawthorns*), and pomegranates. There are no bananas here, and I only saw two or three orange trees. The tropical fruits do not succeed at this elevation. The variety like 43486 has been selected because of its