

more luscious varieties of *Pyrus communis*. Under No. 45592 Mr. Meyer sent in 100 pounds of seed of the small-fruited wild pear of the same species, and specialists are experimenting with these.

Wilson Popenoe sends in from the Vera Paz region a small-fruited chayote no larger than a hen's egg (No. 45350); the inga, which he says is a fruit worthy of a place in the gardens of the amateur in southern Florida (No. 45351); an interesting tropical walnut (*Juglans mollis*, No. 45352), which makes a small tree only 45 feet

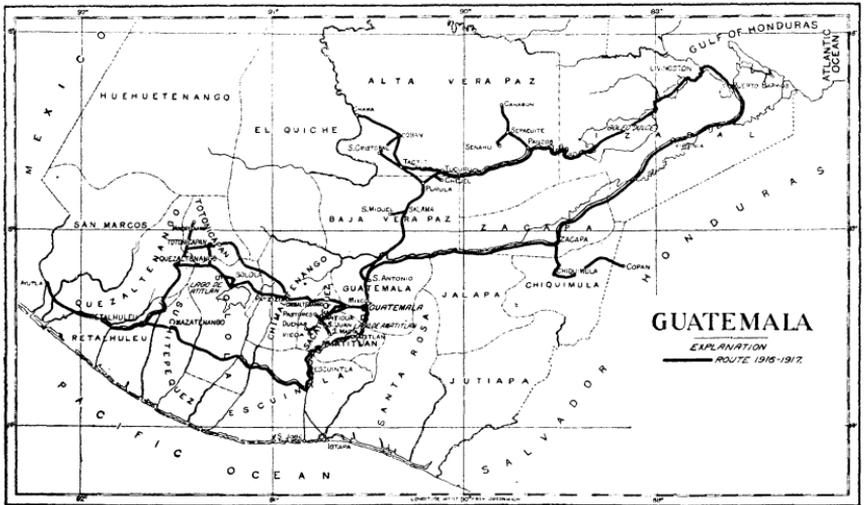


FIG. 1.—Wilson Popenoe's routes of exploration in Guatemala from September 6, 1916, to December 13, 1917. The search for hardy avocados which Mr. Popenoe made during the 16 months of his agricultural exploration of Guatemala constitutes a noteworthy horticultural accomplishment. His journeys on muleback and on foot traversed over 2,000 miles of the mountain trails and roads of that Republic and resulted in the successful introduction into this country of 36 distinct types of the hard-shelled hardy avocado. Each one of these represents the successful importation of bud sticks from a selected seedling avocado tree from which he collected the fruits and of which he took record photographs, not only of the fruit itself but of the tree as well. The collection is further remarkable in that each number in it is backed up by a careful description, written on the spot, of the characteristics of the tree from which the budwood was taken. This precaution will make it possible years hence to study the variation which takes place in the fruit, as well as the trees which are grown from the imported buds. In addition to this, which was Mr. Popenoe's main quest, he discovered and introduced two wild relatives of the avocado, the *anay* and the *coyó*, both worthy of the careful attention of tropical horticulturists, and also 190 other especially selected rare and useful species of plants which he believes can be grown in the warmer sections of the United States and similar regions throughout the world.

tall, but which fruits abundantly and bears nuts with even thicker shells than those of our own black walnut; a species of tropical *Rubus* (No. 45356) with soft seeds and of good flavor, which fruits abundantly and should be tried in the Southern States; and seeds of the *coyó* (*Persea schiedeana*, No. 45354), on which will be grafted his large-fruited variety of this new fruit, which he declares is more highly esteemed by the Indians of the Vera Paz region than the avocado itself and deserves to be brought to the attention of all