

**38399 to 38404**—Continued. (Quoted notes by Mr. O. F. Cook.)**38399.** *COLLINIA* sp. Phœnicaceæ.**Palm.**

"A small species with narrow pinnæ and slender, short-jointed trunk. A few plants were introduced several years ago and have been found very well suited to household cultivation."

**38400 to 38402.** *PERSEA AMERICANA* Miller. Lauraceæ.**Avocado.***(Persea gratissima* Gaertn. f.)

"The avocado season is much too far along to do satisfactory work. In most places the season is completely over, but at these higher altitudes a few fruits are still in the market, as yet none of a quality to particularly recommend them. But I see one thing clearly, that it is the late varieties of these countries that we want. The early varieties ripen in August and September, the others in December, etc., and as the colder places are reached the crop goes around into the spring months."

**38400.** "From Purulha, Department of Bajo Verapaz, Guatemala. Cuttings from a tall, slender tree, 30 feet high, growing in the garden of Señor Ernesto Avouet, at Purulha; altitude, 5,000 feet. A large, round, hard-shelled, small-seeded type, without fruit at this time (May 25), but said to be one of the very best in this vicinity."

**38401.** "From Coban, Department of Alta Verapaz, Guatemala. *Dieseldorff* No. 2. Scions from a tree bearing large, oval, hard-shelled fruit with reddish flesh. Without fruit at this time (May 22.) Growing in garden of Señor Dieseldorff, at Coban; altitude, 4,300 feet. Fruit said to be of superior quality."

**38402.** "From Coban, Department of Alta Verapaz, Guatemala. *Dieseldorff* No. 3. Round shaped fruit, flesh yellowish green, large proportion of flesh, rather small seed, very tough, thick shell. Scions from a large spreading tree 50 feet tall, growing in garden of Señor Dieseldorff, at Coban; altitude, 4,300 feet. At this time (May 22) the tree carried a large crop of mature fruit."

For an illustration of Guatemalan avocado fruits, see Plate IX.

**38403 and 38404.** *CHAMAEDOREA* sp. Phœnicaceæ.**"Pacaya" salad palm.**

"From Coban, Department of Alta Verapaz, Guatemala. Collected at an elevation of 4,300 feet. A large species, with a large fleshy edible inflorescence, used as a cooked vegetable or as a salad.

"Pacaya palms are grown here in great abundance, so that any amount of seed could be obtained. Some of the palms have four, five, and even six pacayas, as the edible male inflorescences are called, so that we did not overestimate the amount of fruit that might be produced in a successful planting. I feel confident that the palms would grow very well in sheltered situations in southern Florida, or I would suggest that a planting be made in the slat house at Miami, with the idea of leaving some of the palms to grow to maturity. They attain a height of 12 to 15 feet, but fruit much younger, possibly in the third or fourth year."

**38403.** Small seedling plants. **38404.** Collected May 22, 1914.