

of the white secretion. Under a lens the long wax filaments were seen to curl up in a slight curve from the body.

June 26, 1909.—The flat crab-like nymphs in the last or pupal instar are at this date full grown and ready for the transformation. The thin wing-pads lie flat upon the dorsum. Antennæ, legs, wing-pads and tip of abdomen are dark smoky. The general colour of head, thorax and abdomen is green. Antennæ with ten joints. Hind tibiæ and tarsi with spurs similar to those of the adults, but less pronounced. Length of body, 3.19 mm.

At this stage the nymphs are densely covered with a fluffy, silky flocculent mass, and look like walking ostrich-plumes. The ventral surface of the terminal leaves is by this time well filled with the white stuff, as well as the new growth of the twigs for four to six inches from the tip. A heavy storm dissipates this.

June 26, 1909.—The mature winged forms are present in great numbers on the ventral side of leaves, freshly emerged and not yet taken to flight. (Mature specimens dated July 26, 1905, and August 17, 1905, are in the Station collection.) The following colour descriptions are made from fresh material. Older specimens may not retain the same tints:

*Mature Form.*—Length of body of female, 4.2 mm.; male, 3.5 mm. Head, thorax, abdomen clear blue-green. Thoracic lobes and transverse portions of the abdominal segments are tinged with yellow, so that the Psyllid has a yellowish-green appearance. The ocelli are orange-yellow. Antennæ with ten segments; i-ii are pale green, iii-iv-v are whitish with discal joints black, remaining segments are black. The number of antennal joints is not constant, the segmentation varying even on the two sides of the same Psyllid. Ten seems to be the normal number. A single large round sensorium is present at the distal portion of iv, vi, viii and ix of both the male and female; x is tipped with two stout hairs.

Legs have femora green, tibia and tarsus whitish, with black claws. Tibial and tarsal spurs of hind leg black. At the base of the last pair of legs is a pair of prominent green spur-like projections extending caudad. The caudal tip of the abdomen is yellowish-brown.

Along the extreme distal tip of the hind tibia are seven sharp spurs. At the distal tip of the first tarsal joint are two similar spurs.

The wings are uniformly transparent, and are veined as is typical for the genus. All the veins except that of the claval suture are distinct in the fore wing. The veins in the hind wing are almost invisible. Length of fore wing, 5.35 mm.