

spots and a number of smaller black dots, besides an obscure white line on the posterior part, each side of the dorsal row of dots; abdomen pinkish laterally. Length, 12 mm.; width, 5.5 mm.

Food Plant.—Wild gooseberry (*Ribes*). The larvæ occur several on the same branch, but they feed singly.

THE LARVA OF ZOTHECA TRANQUILLA, GROTE.

BY HARRISON G. DYAR, YOSEMITE, CAL.

Eggs.—Laid in a mass, probably under the bark of the food-plant, for which purpose the long ovipositor of the ♀ moth seems fitted; the winter is probably passed in this state. Spherical, but somewhat misshapen from being closely pressed together; smooth, slightly shiny; under the microscope appearing irregularly indented; colour, yellow, becoming later reddish; diameter, .5 mm.

There appear to be six larval stages, the last two of which are all that came under observation, and to them the following description applies: The larvæ live singly, each in a leaf of its food-plant, curled over and lined with silk.

Larva.—Head entirely black, except the bases of the antennae, which are whitish; smooth, shiny, but under a lens seen to be slightly shagreened; a few hairs. Width in the fifth stage, 1.8 mm.; in the sixth, 2.8 mm.

Body plump and smooth, tapering at the extremities, curled spirally when at rest. The small black piliferous dots are normal in arrangement; row (4) stigmatal, posterior to the spiracles; rows (5) and (6) anteriorly and posteriorly in the subventral space, and row (7) the dots on the venter of the apodal segments are very small. Dorsum dark olive-gray, containing a broad yellow dorsal band, which is broken into two round spots on each segment, the anterior one of which is twice indented, or nearly bisected on the dorsal line. This marking is narrower towards the extremities and becomes somewhat confused. Below the olive-gray is a narrow interrupted whitish subdorsal band bordered with black, a lateral blue-gray band and a broad yellow stigmatal band separated from the lateral band by a wavy black line. Venter bluish gray, streaked with black subventrally, feet yellowish, spiracles black. In another example the dorsal and lateral regions are concolorous, bluish gray, sprinkled with black streaks, the dorsal and subdorsal bands edged with black. The anal plate is unornamented.