

crenulate on outer side; more produced second lobes, also crenulate; longer spines, etc.

6. *Aspidotus lataniae* Sign. — On a cocconut palm from Central America. The living ♀ is bright lemon yellow; the second and third lobes are represented by little spear-head shaped lobules, as Green figures in *A. camelliae*.

7. *Spatheaspis secreta* (Ckll.) — Japan, on bamboo. The living ♀ is pale pinkish lilac, with the caudal parts brown; caustic potash turns the ♀ bright apple green. Eggs pale lilac.

8. *Spatheaspis bambusarum* (Ckll.) — Japan, on bamboo. I am willing to recognize *Spatheaspis* (or *Odonaspis*) as a valid genus, and *Froggattiella* Leonardi (type *Spatheaspis inusitata*) as a good subgenus of it; but it seems to me that *Anoplaspis* Leonardi (type *S. bambusarum*) is scarcely to be separated from *Froggattiella*.

9. *Chrysothylus scutiformis* (Ckll.) — On leaves of cocconut palm from Central America.

SOME MATING NOTES.—In the summer of 1899 several larvae of *D. rubicunda* were brought me. They were nearly full fed and soon pupated. On Aug. 3rd a ♀ moth

emerged and began ovipositing before her wings were fully developed, and before 3 p. m.

The next day two males emerged in the same cage, and one must have mated with the female, although I did not see them in coition.

The sixty eggs laid before the males emerged remained unchanged, while those laid later became orange, then greenish, then almost colorless, and hatched on August 20th.

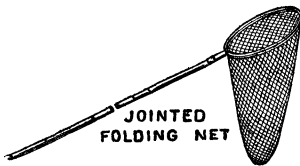
This is the first instance I have had of a ♀ moth's mating after ovipositing had begun.

On April 10th, 1900, a ♂ *A. cecropia* emerged in one of my cages. Next day a ♀ and a second ♂ emerged, and after midnight the ♀ and the first ♂ mated. The following night the ♀ laid 31 eggs. On the next night she laid 64 eggs, on the next 48 eggs, and on this night she mated with the second male, remaining in coition from a little after midnight until 6.15 p. m.

On this night she laid 73 eggs, and continued ovipositing for two nights, laying 269 eggs in all, then died next day. The two males died on the day following their mating.

Caroline G. Soule.

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