

Apterous Viviparous Female.

Length, 1.85 (1.50-2.10) mm.; width, 1.05 (0.90-1.10) mm.; antennæ, 1.80 (1.75-2.20) mm., III., 0.48 (0.40-0.64) mm., IV., 0.37 (0.35-0.41) mm., V., 0.25 (0.20-0.32) mm., VI., 0.13 (0.10-0.15) mm., VII., 0.45 (0.38-0.54) mm.; Tibia, I., 0.81 (0.70-1.00) mm., II., 0.83 (0.70-1.00) mm., III., 1.15 (0.93-1.40) mm.; Cauda, 0.20 (0.16-0.22) mm.; Cornicles 0.50 (0.48-0.60) mm.; Rostrum extending to mesocoxæ. Eyes, tips of cornicles, and tarsi black, otherwise pure whitish, with indistinct greenish mesal stripe on abdomen, sometimes with a few capitate hairs on caudal segments, tibia, and head; no lateral tubercles; antennæ lie flat over back when at rest, and the gibbous tubercles are thus bent upwards. Thirteen specimens.

This species is closely allied to *M. achyrantes*, Monell (*M. malvæ*, Oest.), as described by Monell and Oestlund. The apterous females are distinguished from it by the longer antennæ, which are whitish, eyes black instead of red-brown, and abdomen whitish instead of pea-green as in *malvæ*. The winged female is distinguished by having the inner angles of I. straight or but slightly rounded, VII. slightly longer than III., and cornicles black. The apterous females are very similar to *Siphonophora calendulella*, Monell, but the description of that species is too brief to be recognizable. Monell mentions that a species closely allied to *S. achyrantes* occurs on lettuce.

The winged females bear a resemblance to *Rhopalesiphum dianthi*, Schr., but are smaller, the cornicles are not swollen and are black, and only III. bears sensoria, while Oestlund describes the winged *dianthi* as having sensoria on III., IV. and V.

Specimens of this species were kindly loaned me by Prof. W. G. Johnson, from Baltimore Co., Md., collected on lettuce, February, 1899; were found by me on garden peas, November 1, 1900, at Newark, Del., and were collected by Prof. G. H. Powell, May 3, 1897, on eggplant under glass—to which they were doing considerable injury—at the same place.

The description given by Thomas under *Siphonophora lactuceæ*, Kalt., refers either to this species or *M. achyrantes*, Monell.

Types deposited in the U. S. Nat. Museum. Type No. 5422.

EXPLANATION OF PLATES.

Plate II. (page 34).

1. "*Siphonophora pisi*," from G. B. Buckton.