

viviparous female as follows: It is a smaller individual. Antennae much longer than body, relatively longer than in the viviparous form; segment III bears 60 to 70 irregularly placed circular sensoria, segment IV bears from 45 to 50, segment V with 29 to 31, not including usual distal one, more or less in a row, and segment VI bare, with the usual distal ones.

Antennal measurements as follows:

ANTENNAL SEGMENT NO. 1m.

I.	II.	III.	IV.	V.	VI. (base)	VI. filament
mm. 0.155	mm. 0.077	mm. 0.853	mm. 0.968	mm. 0.948	mm. 0.175	mm. 1.800
.155	.077	.832	.910	.968	.193	1.800

Wingless oviparous female. (Pl. V, fig. 25).

Described from one specimen collected September 10, 1912, at Madison, Wis.

Head very pale brownish. Antennae black, excepting segments I and II, which are concolorous with head; total length greater than that of body; filament of segment VI much the longest; segment III with a single inconspicuous circular sensorium near base; the usual sensoria at tips of segments V and base of VI. Thorax and abdomen pale greenish yellow. Hind tibia swollen and bearing a large number of irregularly placed, circular sensoria. Cornicles blackish, pale at base; reaching a little beyond tip of cauda. Cauda concolorous with abdomen. Otherwise as in the wingless viviparous female.

Measurements from one specimen in balsam: Length of body not including cauda 2.17 mm.; length including cauda 2.30 mm.; width 1.006 mm.; cornicle 0.89 mm.; cauda 0.51 mm. Antennal measurements as follows:

ANTENNAL SEGMENT NO. 1m.

I.	II.	III.	IV.	V.	VI. (base)	VI. filament
mm. 0.193	mm. 0.096	mm. 0.774	mm. 0.794	mm. 0.813	mm. 0.213	mm. 1.490
.193	.096	.794	.813	.832	.213	1.432