

THE FEMALE OF *LESTODIPLOSIS FLORIDANA* Johannsen

(Cecidomyiidae: Diptera)

O. A. JOHANNSEN

Cornell University, Ithaca, N. Y.

In the first number of volume 28 of THE FLORIDA ENTOMOLOGIST, page 8, the male of the species noted above was described. Recently my colleague, Dr. J. G. Needham, turned over to me specimens of both sexes reared from the flower heads of *Bidens pilosa* collected at Archibald's, near Lake Placid, Florida (December 14), and at Sarasota, Florida (January 15).

In color and most structural features the sexes differ but little. The species is associated with *Asphondylia bidens* Joh. and occurs in the flower heads of the host plant probably as predator.

**Female.** Head, thorax, abdomen, and legs yellow; antennae brownish with the necks of the segments yellow; mesonotum with three wide brown vittae, sternum brown, basal abdominal segments with indications of darker fasciae in well colored specimens; apical segment of feet dark.

Antennae with 14 segments, length 1.2 mm.; the basal segment more or less quadrate with a few long bristles apically; the second segment nearly spherical, sparsely bristled; flagellar segments with the nodes, except the last 3 or 4 terminal ones, somewhat constricted a short distance proximal of the middle, the nodes averaging 0.05 mm. in length, the necks 0.035 mm., except the last two or three which are a little shorter; apical segment 0.06 mm. long. Each flagellar segment with a whorl of few long bristles near the base, and another and somewhat more irregular one near the tip, except the last three segments on which the bristles are more irregularly distributed. The antennal sense tubercles about as shown in figure 25 of *L. crataegifolia* (in Felt's Report of the State Entomologist, N. Y., 1918, page 135). Palpi with four segments, the first about as long as broad, the second about twice, the third two and a half, and the fourth about three times as long as broad, the second widest. Ovipositor stout, terminal lobes short oval, not twice as long as broad. First tarsal segment of all feet subequal and respectively from a fourth to a sixth as long as the next succeeding segment. Claws simple, evenly curved; empodium about as long as the claws. Wing markings like those of the male, faint and illy defined in rubbed, alcoholic, or slide-mounted specimens;

venation as in the male. Length 1.4 to 1.6 mm., wing length 1.5 mm.

**Male.** To the description of the male previously published may be added that the aedeagus is slender, slightly sinuous and ending bluntly, projecting caudally nearly to the apex of the basistyle; dorsal plate hairy, lobes rounded. Antennae a third to a half longer than the insect. Wing length 1.2 to 1.4 mm.

Specimens in the Cornell University Collection.

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### A NEW CATTLE LOUSE IN FLORIDA

At the recent meeting of the Florida Entomological Society, (February 15, 1947), W. G. Bruce announced that the "tail louse" of cattle has been identified as *Haematopinus quadripertusus* Fahrenholz. The species was described from West Africa in 1915, and this is the first record of its occurrence in the western hemisphere. The louse was first noticed in central Florida in the summer of 1945. Since then it has been found in many other localities and it now appears to be widespread throughout peninsula Florida.

The adult lice are confined almost entirely to the brush of tails of cattle and the eggs are laid mostly on the long hairs of the brush. Because of their location, these insects are commonly referred to as "tail lice" by stockmen.

Mr. Bruce stated that neither the arsenical dips used against ticks nor low concentration DDT sprays are effective against the "tail louse". He indicated that this louse can be controlled effectively by thoroughly spraying the infested animals with a suspension containing 1.5% DDT.

A. N. TISSOT

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### ADDRESS UNKNOWN

The mailing address of the following members of the society is either unknown or believed to be wrong. If their correct address is known by anyone, please notify the secretary as soon as possible.

Burrell, Robert W.  
Crutchfield, C. M.  
Edwards, George A.  
Gahan, J. B.  
Herald, E. S.

Maughn, Douglas  
Reitmeier, H. S.  
Taylor, Mrs. K. P. A.  
Wisecup, C. B.  
Wylie, W. D.