

In form and appearance the species suggests *T. trimaculatus*, but the hyaline wings, the abdominal markings and smaller size are distinctive. It lacks the large median white triangle on the second segment, so conspicuous in *sodalis*.

*Leptomydas venosus*, Lw.—The species of this genus seem not to be easily recognized, because the sexes of each species are widely different, and all the original descriptions were written from a single sex, some from males and some from females. In the collection before me are the sexes of a species, the male of which agrees very well with *venosus*. I give below the descriptions of both sexes, hoping that such may be of use to some future student of the group:

Male.—Head and its appendages black; face and front clothed with long yellowish gray pile. Thorax black, with four light-coloured stripes above; anterior and middle legs black, with extreme bases of all the tibiae yellowish; broad bases of posterior femora and tibiae yellow, otherwise these legs are black or brown; wings uniform dilute yellowish. Abdomen reddish; posterior margins or all the segments narrowly yellow, and on each side of the second segment the yellow margin surrounds a small reniform black spot; anterior margins of all the segments black; the first segment is wholly black, except the yellow hind margin, and on the sixth and seventh segments the black is mostly confined to the sides. Length 15 mm.

Female.—Whole insect reddish-yellow; eyes, proboscis and part of front blackish; thorax with light yellow stripes; abdominal segments margined behind with distinct light yellow; on each side of the second segment this yellow margin includes a small reniform black spot; spines at end of abdomen red; wings coloured as in the male. Length 19 mm.

In both male and female the first posterior cells of the wings are wide open.

*Habitat*.—Both sexes taken in Oak Creek Canyon, June 30th.

In the female the black proboscis, the lack of black stripes on the lateral margins of segments (two to seven) and the red spines at the end of the abdomen serve to distinguish this sex from *brachyrhynchus* of Osten Sacken.

*Myiolepta aurinota*, n. sp.—Male. Length 9 mm. In general coloration the antennae are reddish, but the first two segments are darker and more shining than the third; arista at base concolorous with the