Amobia distincta Towns.	*Senotainia trilineata* V. & W.
1. Radiomedial cross vein far before tip of R_{2+3}.	1. Radiomedial cross vein at or close to tip of R_{2+3}.
2. Palpi black.	2. Palpi yellow.
3. Parafacials at narrowest point at least 1.5 times length of 3rd antennal joint.	3. Parafacials at narrowest point about equal to length of 3rd antennal joint.
4. The three black thoracic vittæ, broad and conspicuous.	4. The three or four black thoracic vittæ narrow and inconspicuous.
5. The abdominal markings (three rows of black triangles on yellowish gray ground) very distinct even without lens, especially in male.	5. The abdominal markings not all distinct.
6. Female with piercing ovipositor.	6. Female without piercing ovipositor.

Tachinophyto variabilis Coq., and *floridensis* Towns.

Tachynophyto Towns., Trans. Amer. Ent. Soc., Vol. 19, p. 130, 1892, generic synonymy.

Pseudomyothria Towns., 1892, loc. cit.

Methypostena Towns., 1908, Tax of Musc. Flies.

Lixophaga Towns., 1908, Tax of Musc. Flies.

Hypostena of authors (non Meig).

The above synonymy is pointed out by Mr. D. W. Coquillett in his recent and valuable paper "The Type Species of North American Genera of Diptera," p. 611.

In the "Revision," page 62, key section No. 7, two species of the above genus are separated, namely, *variabilis* Coq., and *floridensis* Towns. The key reads as follows :—

"7. Third segment of abdomen pollinose on at least the basal two-thirds, the pollen yellowish, abdomen subopaque ; length, 4–9 mm ..... *variabilis* Coq.

"Third segment at most pollinose on the basal third, the pollen white, abdomen subshining ; length, 4–9 mm ... *floridensis* Towns."

The characters made use of are purely colorational and since the publication of Coquillett's valuable "Revision" larger series of the two species have been accumulated which clearly demonstrate that such