A NEW SPECIES OF EURY TOMA (HYMENOPTERA: EURY TOMIDAE) PARASITIC ON THE LARVA OF MELANAGROMYZA RUELLIAE (DIPTERA: AGROMYZIDAE) IN FLORIDA

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ABSTRACT

Eurytoma stegmaieri reared from the larvae of Melanagromyza ruelliae in seed pods of Ruellia brittoniana in Florida is described.

The specimens on which the new species is based were sent to me by Carl E. Stegmaier, Jr. of Hialeah, Florida. The description is published so that the new name may be used in his paper dealing with the array of insects associated with Ruellia brittoniana, and is named in honor of Mr. Stegmaier.

Eurytoma stegmaieri n. sp.
(Fig. 1, 2)

Female. Length 2.3 mm average 2.4 (2.3-2.5). Color black except for orange yellow legs and scape, white tarsi and pale yellow wing veins. Abdomen plump; length 1.2 mm (1.1-1.4); wide 6th tergum 2x width of 5th; sculpturing limited to lower, lateral, anterior 1/2 of surface of 6th tergum; ninth tergum averages 0.12 mm (0.10-0.12) in length. Internal genitalia with narrow and black dorsal valves for horizontal length that bend dorsally, anteriorly, along with ventral valves at right angle to horizontal axis; acute angle formed by hypotenuse and horizontal axis of genitalia averages 35° (35°-40°); length of genitalia averages 1.1 mm and height 0.72 mm (0.70-0.75). Propodeum broad and shallowly concave; no median furrow but in top center 2 rectangular depressions with shiny surfaces; rest of surface finely punctate. Antennae filiform; first segment of flagellum slightly longer than pedicle and itself longer than wide; segments 2-5 progressively shorter so that 4 and 5 are square; terminal unit of 3 fused segments. Wing veins pale yellow and marginal and postmarginal linear; marginal averages 0.27 mm (0.25-0.30) and postmarginal 0.15 mm (0.17; 0.15-0.20).

Male. Length 2.1 mm (1.9; 1.7-2.1). Color as in female. Antenna flagellum of 5 pedicellate, longer than wide, equal in length, dorsally raised segments and a terminus of 2 fused units. Wing veins light brown, marginal 0.27 mm (0.25; 0.20-0.27) and post marginal 0.17 mm (0.16-0.17) in length.


Host. Bred from larvae of Melanagromyza ruelliae Spencer in seed pods of Ruellia brittoniana Leonard.
Remarks. *Eurytoma stegmaieri* would run to *E. seminis* Bugbee in the Key to Females of the genus *Eurytoma* Bugbee 1967. It differs, however, from *seminis* in the wider sixth abdominal tergum, which is $2 \times$ the width of the fifth instead of $1.2 \times$ width of the fifth tergum. It might also be confused with the recently described *E. penuria*, Bugbee 1973, but the orange yellow color of the legs and scape in contrast to bright yellow; the longer ninth tergum averaging 0.12 mm in contrast to 0.05 mm and the narrow dorsal valves in contrast to the wide dorsal valves of *E. penuria* female genitalia, will distinguish the new species.

**Literature Cited**
