

A Gynandromorphic Specimen of the Genus *Limnia* (Diptera: Sciomyzidae)

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ABSTRACT

A serial gynandromorph of a species of *Limnia* (segments 8 and following, female; otherwise male) is described and figured.

Among specimens of the genus *Limnia* being examined for a revision of the genus, Lloyd V. Knutson found a most interesting gynandromorphic specimen, which, because of its nature, could be determined only as far as a group of species including *L. fitchi* Steyskal, *L. ottawensis* Melander, and a few less common species. The tip of the abdomen is here figured (Fig. 1a), together with the tip of the abdomen of a normal female (Fig. 1b) for comparison. The abnormal specimen is basically male, with the abdomen modified as is normal in males of the genus. The 1st 5 segments are essentially as in normal males. The following 2 segments (6 and 7, protandrium) are also much as in normal specimens. The ultimate segments (8th and following) are very abnormal. The sterna of segments 6 and 7, as in normal males, are greatly reduced. Tergum 6, also as in normal males, is virtually absent, but tergum 7 is well developed. Tergum 8 (epandrium) is dome-like as in normal males, but the hypandrium is not evident. Perhaps a flap (f) in the membrane mesad of tergum 7 and attached only at its caudal end represents sternum 8 (hypandrium). A plate that may correspond at least to

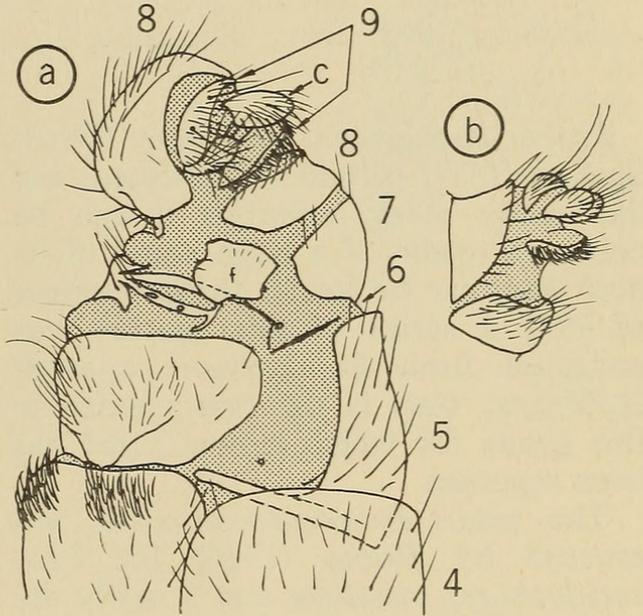


Fig. 1. *Limnia* sp., terminal segments of abdomen in oblique ventral view. a, gynandromorph; b, normal female. c = cercus; f = flap (possibly analogous to male hypandrium); numbers refer to abdominal segments.

part of sternum 8 of a normal female subtends segments 9 and a pair of cerci, which are very similar to those parts of a normal female (b).

The specimen, captured at Breckenridge, Ontario, 26 June 1959, by C. H. Mann, has been returned to the Canadian National Collection, Ottawa.



Steyskal, George C. 1974. "A GYNANDROMORPHIC SPECIMEN OF THE GENUS LIMNIA DIPTERA SCIOMYZIDAE." *Journal of the Washington Academy of Sciences* 64, 11-11.

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