

OLD WORLD SEPSIDAE IN NORTH AMERICA, WITH A
KEY TO THE AMERICAN GENERA
(Diptera)

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SEPSIS SIMPLEX GOETGHEBUER AND BASTIN

Sepsis simplex Goetghebuer and Bastin, 1925, Bull. et Ann. Soc. ent. Belg., 65:128, 132, pl. 1, f. 7.

S. simplex Frey, 1925, Notulae Ent., 5:71-75, f. 9.

A male specimen captured on Isle Royale, Michigan, August 3-7, 1936, by Curtis W. Sabrosky, was found to agree well with

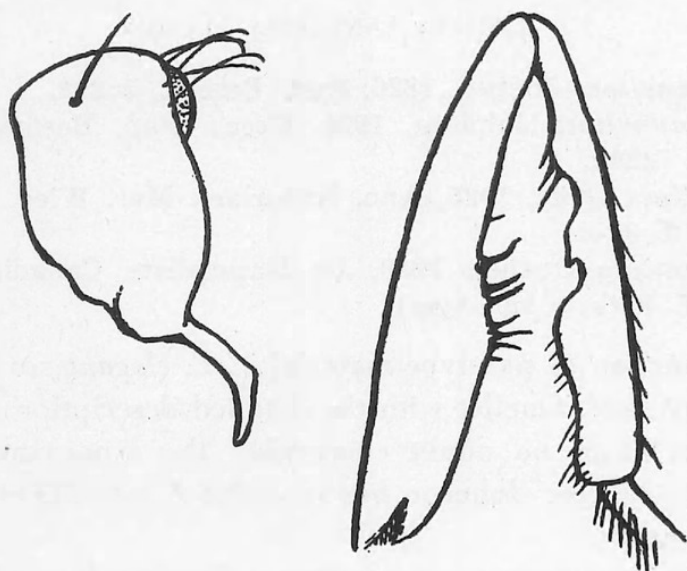


Fig. 1. *Decachaetophora aeneipes* De Meijere, left profile of hypopygium and anterior view of right fore femur and tibia of male.

the original description of *S. simplex* and with Frey's figure of the male hypopygium. The species was described from Belgium and was stated by Frey to occur throughout Finland.

DECACHAETOPHORA AENEIPES DE MEIJERE

Sepsis aeneipes De Meijere, 1913, Ann. Mus. Nat. Hung., 11:119.
Decachaetophora aeneipes Duda, 1925, Ann. Naturhist. Mus. Wien, 39:27, 40 (*Decachaetophora* keyed and described); 1926, 1. c., 40:45, pl. 5, f. 54 (species described and figured).

Two male Sepsidae of a species found abundant on Iris plants

3. Humeral bristle long and strong.....*Themira* Rob.-Desv.
 Humeral bristle lacking.....4
4. Occiput in profile shallowly rounded, front and occipital tangents crossing at a very obtuse angle; thorax dully shining.....5
 Occiput swollen; frontal and occipital tangents crossing at almost a right angle; thoracic dorsum shining black, sometimes more or less lightly brown pruinose.....*Enicomira* Duda
 [One species, *E. minor* Haliday.]
5. Abdomen shorter than wings; sternopleura entirely pruinose; fifth abdominal tergite of male with strong marginal bristles.
 *Enicita* Westwood
 Abdomen longer than the short, narrow wings; sternopleura shining black; fifth tergite of male without strong marginal bristles*Cheligaster* Macquart
 [One species, *C. leachi* Mg. (Europe).]
6. One strong orbital bristle on each side; abdomen of both sexes without macrochaetae7
 Orbital bristle minute or absent; humeral bristle present.....9
7. Humeral bristle lacking; vibrissae duplicate; abdomen not constricted laterally between second and third segments.....
 *Decachaetophora* Duda.
 [One species, *D. aeneipes* De Meijere.]
 Humeral bristle present8
8. Only one pair of strong dorsocentral bristles and one pair of strong vibrissae; abdomen without constriction between second and third segments.....*Meroplus* Rondani
 [One species, *M. stercorarius* Rob.-Desv.]
 Three pairs each of strong dorsocentrals and vibrissae; abdomen constricted between second and third segments.....
 *Meropliosepsis* Duda
 [One species, *M. sexsetosa* Duda (Costa Rica).]
9. Fore femur of both sexes not emarginate, with or without bristles in rows.....10
 Fore femur of male more or less cut out below.....11
10. Second longitudinal vein with a large, oval black spot at end; venter and mid and hind femora of male with long, thick hairs
 *Sepsidimorpha* Frey
 [One North American species, *S. secunda* Melander and Spuler.]
 Second longitudinal vein not spotted at end.....
 *Nemopoda* Rob.-Desv.
 [One recognized North American species, *N. cylindrica* Fabr.]
11. Abdomen of both sexes without distinct macrochaetae, although sometimes with somewhat longer and stronger hairs on the hind margins of the tergites and strong anal bristles; end of second longitudinal vein not spotted; sternopleura pruinose only on upper border.....*Palaeosepsis* Duda.
 Abdomen of the male, often the female also, with distinct macrochaetae; end of second longitudinal vein with a dark spot; sternopleura entirely pruinose.....*Sepsis* Fallen.



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