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## *Homoneura chelis* spec. nov., a new lauxaniid species from Spain (Insecta: Diptera: Lauxaniidae)

With 6 Figures

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**Abstract.** A new species of Lauxaniidae, *Homoneura chelis* spec. nov., is described from Spain.

### Introduction

*Homoneura* VAN DER WULP, 1891 is, among the Palaearctic genera of Lauxaniidae, the largest group, containing about 70 species (SHATALKIN, 1993). It is a systematically difficult group, with numerous closely related and similar species. Recently, CARLES-TOLRÁ (1993a, b) gives a checklist of Spanish species of *Homoneura* in which are included 8 species; the new species described below represents the ninth species.

The new species was collected by Mr. JAVIER BLASCO-ZUMETA (Pina de Ebro) in the northeast of the Iberian peninsula in a very arid zone called Retuerta de Pina on *Retama sphaerocarpa* (L.) Boiss.

### *Homoneura chelis* spec. nov. (Figs. 1–6)

Holotype, male. General colour orange.

Head completely orange, excepting occiput with a brown spot upon the neck. Proboscis, palpus and antenna orange. Arista with long pubescence. Chaetotaxy: 2 *ors*, 2 *oc*, *vte*, *vti*, *pvt* convergent.

Thorax completely orange, excepting prothorax with a blackish small spot upon the neck. Chaetotaxy: 1 *hu*, 1+2 *dc* (right praesutural bristle more posterior than the left one, almost in the transversal suture), 2 *np*, 1 *prst*, 1 *sa*, 2 *pa*, 1 *prsc*, *ac* in 6 irregular rows. Scutellum orange, 2 *sc*. Meso- and sternopleura pilose, 1 *mp*, 2 *st*, 1 *prth*.

Legs yellow-orangish. Mid tibia with 2 ventroapical spurs. Hind trochanter (Fig. 1) with a posterior triangular protuberance with 2 desigual small posterior hairs. Dorsal preapical bristle of hind tibia reduced.

Wing uniformly yellowish, spots and shadows absent. Haltere yellowish.

Abdomen orange. Tergites 2–6 with long posterior bristles, tergite 6 1.5 times as long as tergite 5. Sternite 5 divided, with long posterior hairs; sternite 6 (Fig. 2) well sclerotized, V-shaped.

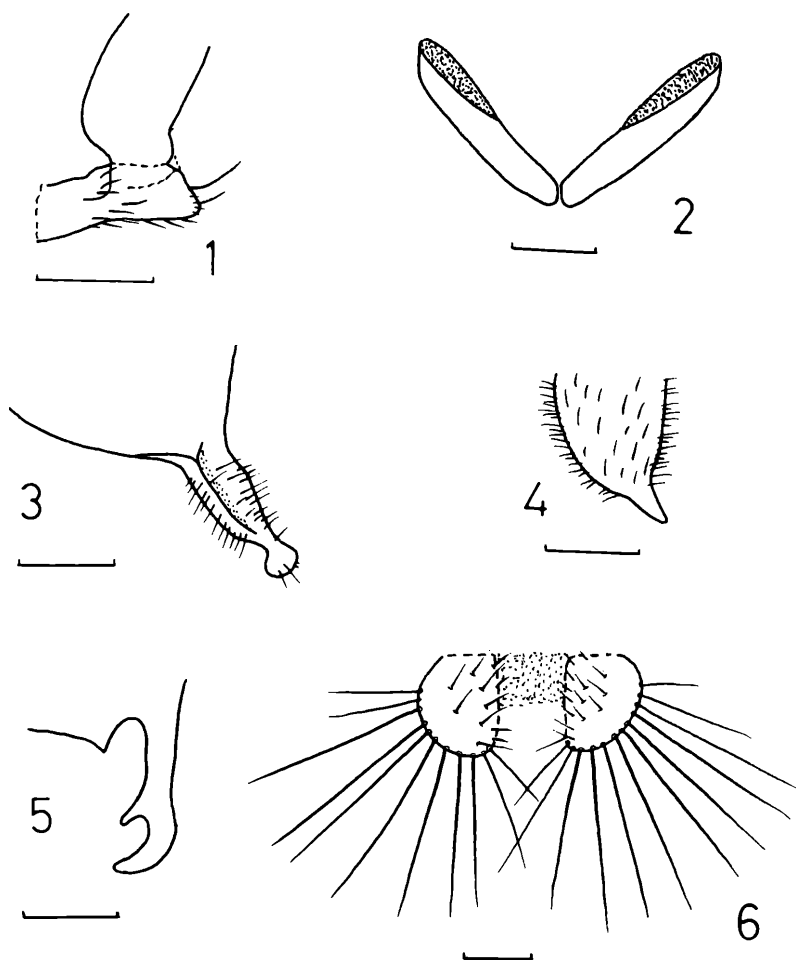
Genitalia: Epandrium with short hairs. Surstylus (Figs. 3, 4) fused with epandrium, pilose, posterior face concave, large (in posterior view), with a circular apical projection (in lateral view). Gonopod (Fig. 5) crab pincer-shaped. Cerci (Fig. 6) fused basally, small, bordered with very long hairs.

Total body length: 3.3 mm.

Female: Unknown.

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Figs. 1–6: *Homoneura chelis* spec. nov. – 1: left 3rd trochanter, in lateral view; 2: sternite 6, in ventral view; 3: left surstylus, in lateral view; 4: left surstylus, in posterior view; 5: left gonopod, in lateral view; 6: cerci, in ventral view. – Scales: Figs. 1, 2 and 4 = 0.2 mm; Figs. 3, 5 and 6 = 0.1 mm.

Holotype, male: Spain, Zaragoza, Pina de Ebro (Monegros, Retuerta de Pina), 11.vi.1992, on *Retama sphaerocarpa* (L.) BOISS., J. BLASCO-ZUMETA leg. Holotype preserved in alcohol in the author's collection.

*Homoneura chelis* spec. nov. belongs to the species-group with posterior protuberance at male hind trochanter. It is closely related to *Homoneura ericpoli* CARLES-TOLRÁ, 1993. Both species clearly differ on dorsocentrals and on genital characters: *Homoneura ericpoli* has 0+3 *dc*, surstyli foot-shaped and gonopods forked and twisted apically (CARLES-TOLRÁ, 1993a: figs. 3–4).

Biology: Unknown. The single male specimen was collected on *Retama sphaerocarpa* (L.) Boiss.

Distribution: Hitherto known only from northeastern Spain.

Etymology: The specific name comes from the Latin word “*chela*” which refers to the crab pincers-shape of the gonopods.

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