

G. it. Ent., 5: 129-131  
31 Dicembre 1990

## A new species of the genus *Domomyza* Rondani (Diptera, Drosophilidae) from the Soviet Far East

by

V. S. SIDORENKO \*

*Abstract* - The description of *Domomyza romankovae* sp. n. is given. These are the first data on the occurrence of this genus in the Soviet Far East.

*Riassunto* - Viene descritta *Domomyza romankovae* sp. n., primo rappresentante del genere per l'Estremo Oriente Sovietico.

### *Domomyza romankovae* sp. n. Figs. 1-5

Holotype male: USSR, Primorye, Lazovsky Preserve, 10 E Benevskoe, bee's nest N° 64D83, 1 June 1983, Romankova. Paratypes: 1 female, same data as the holotype; 2 males, 2 females, Primorye, Lazovsky Preserve, 14 N Kievka, bee's nest N° 42D82, 5 July 1983, Romankova; 1 male, Primorye, Lazovsky Preserve, 14 N Kievka, bee's nest N° 42D83, 7 June 1983, Romankova (holotype and paratypes detailed by Lezhenina as *Cacoxenus* sp., but DEEMING (1988) synonymized this genus under *Domomyza* Rondani). Type-series deposited in the Institute of Biology and Pedology, Vladivostok.

Diagnosis - *D. romankovae* sp. n. differs from all the known species of this genus in its broad apodeme of the aedeagus and small epandrium, from *D. perspicax* (Knab), the most related, in the chetotaxy of claspers and the form of the aedeagus (MCALPINE, 1968).

### Description

Male: Body length 3.0 mm. Head: fig. 1. Eye red, bare. Frons yellowish-brown with paler lower part and orbital plates, about 1/3 as broad as head. Frons with 15 fine fr in 4-5 rows. Proclinate orbital, ocellar and vertical bristles subequal in size; reclinate orbitals weaker, the lower reclinate orbital weakest. Postverticals small, convergent. Upper reclinate orbitals arising nearer to inner vertical than to lower reclinate. There are 6-7 reclinate intraorbital setulae. Ocellar plate with 2 rows of 4 tiny, divergent setulae. Clypeus yellowish-brown, about 1/18 as broad as greatest diameter of eye. Orb<sub>1</sub> 1/3 as long as vi, precedent ones 1/4 as long as vi. Third antennal joint yellowish-brown, its length greater than width. First and second antennal joints paler. Second joint with prominent bristle on apex. Arista micropubescent. Palpae yellowish-brown with 2 bristles on apex and about 8 small on ventral margin.

Mesoscutum grey, scutellum greyish-yellow, paler on margin. Ac in 10-15 rows. Apical scutellars convergent. Sternopleural bristles 2 subequal in size and 4 small setulae (one in front of anterior sternopleural, three between sternopleurals 2).

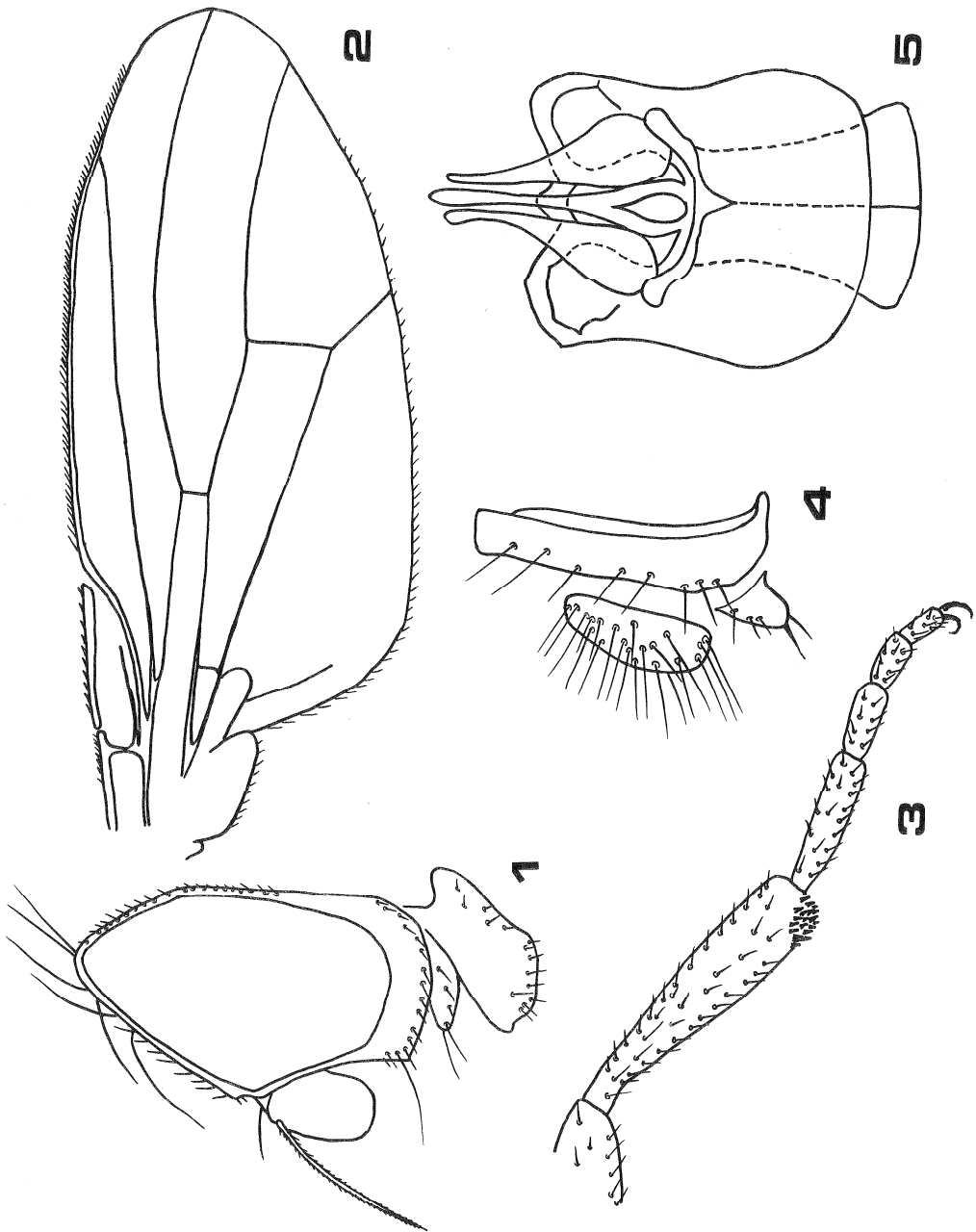
Legs yellow. Preapical and apical on mid tibia. Apex of mid femora with row of 5-6 long bristles. Apex of hind tibia slightly swollen with short black thorns (fig. 3).

Wing hyaline with yellow veins (fig. 2). Wing indices: C-index = 2.8; 4C = 1.0; 4V = 2.2; 5X = 1.0; Ac = 1.7; Cx = 1.1; m = 0.27. C<sub>2</sub>-index = 0.44. Halteres whitish-yellow.

Abdomen: First abdominal tergite yellow with transversal narrow black band medially. Second tergite with 2 greyish-black lateral spots. Third tergite greyish-black anteriorly with interruption at middle, posteriorly yellow. Fourth and fifth tergites without middle interruption but with caudal yellow bands.

Periphallic organs (fig. 4): Epandrium small, narrow with parallel sides and 8 bristles. Clasper almost triangular with 4 bristles. Cercus simple, with about 20 bristles. Phallic organs (fig. 5): Aedeagus slightly longer than anterior parameres. Apodeme of aedeagus very broad and chitinized.

\* Institute of Biology and Pedology, Far East Division USSR Academy of Science, Vladivostok 22, USSR.



Figs. 1-5: *Domyza romankovae* sp. n. 1: head, 2: wing, 3: hind leg, 4: periphallic organs in lateral view, 5: phallic organs in ventral view.

Female: Mesoscutum greyish-brown. Body length about 4.0 mm. C-index = 3.0. Female genitalia not examined.

Remarks - This new species is named in honour of T. N. Romankova (Kharkov, Ukraine SSR), who provided the specimens.

Life-history - This species parasitises *Megachilidae* (*Hymenoptera*), for example *Dianthidium sibiricum*.

Geographical distribution - USSR: Far East.

#### REFERENCES

- DEEMING J. C., 1988 - *Domomyza cincta* Rondani (Diptera): *Drosophilidae* not *Agromyzidae* - *Ent. Mon. Mag.*, 124: 81.
- MCALPINE J. E., 1968 - An annotated key to drosophilid genera with bare or micropubescent arista and a revision of *Paracacoxenus* (Diptera, *Drosophilidae*) - *Can. Ent.*, 100: 514-532.

Received 12. II. 1990

GIORNALE ITALIANO DI ENTOMOLOGIA  
CASELLA POSTALE 188  
I-26100 CREMONA CR, ITALIA