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Zaitzev

Four new species of fungus gnats (Diptera: Mycetophilidae) from Russia

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Descriptions of *Anatella crispa* sp. n. from Altai, *A. subulata* sp. n. from Kostroma Prov., *Allodia orientalis* sp. n. from Russian Far East, *Al. montana* sp. n. from Altai and Sakhalin are given.

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Anatella crispa A. Zaitzev, sp. n. (Figs 1, 2)

Holotype ♂, Russia, Altai, Teletskoe lake, Artybash, 31.V.1981, A. Zaitzev leg. (deposited in A. N. Severtzov Institute).

Male. Head black with light brown mouth parts. Antennae with pedicel yellowish, rest dark brown. Sixth flagellar segment about 1.1 times as long as broad. Thorax dark brown. Mesonotum shining. Scutellum with two scutellar bristles. Halteres pale yellow. Wing length 2.2 mm. *M*-stalk subequal in length to *rm*. Base of cubital fork beyond that of the medial fork. Legs yellow. Fore basitarsus subequal in length to tibia. Hind tibia with 13 *ad*, 10 *d*, 7 *pd*. Hind coxa with basal bristles. Abdomen dark brown. Genitalia light brown. Gonostylus — Fig. 1.

Female unknown.

Remarks. *A. crispa* is close to *A. aquila* A. Zaitzev from which it is distinguished in the form of gonostylus and in the chaetotaxy of its ventral part.

Anatella subulata A. Zaitzev, sp. n. (Figs 3, 4)

Holotype ♂, Russia, Kostroma Prov., Ugory, 3.VII.1980, A. Zaitzev leg. (deposited in A. N. Severtzov Institute).

Male. Head black with light brown mouth parts. Clypeus dark brown. Antennae with pedicel yellowish, the rest dark brown. Sixth flagellar segment about 1.1 times as long as broad. Thorax dark brown. Scutellum with two scutellar bristles. Halteres pale yellow. Wing length — 2.5 mm. *M*-stalk about 1.3 times length of *rm*. Base of cubital fork under the base of medial fork. Legs yellow. Fore basitarsus subequal in length to tibia. Hind tibia with 10 *ad*, 6 *d*, 5 *pd*. Hind coxa with basal bristles. Abdomen dark brown. Genitalia light brown. Gonostylus — Fig. 4.

Female unknown.

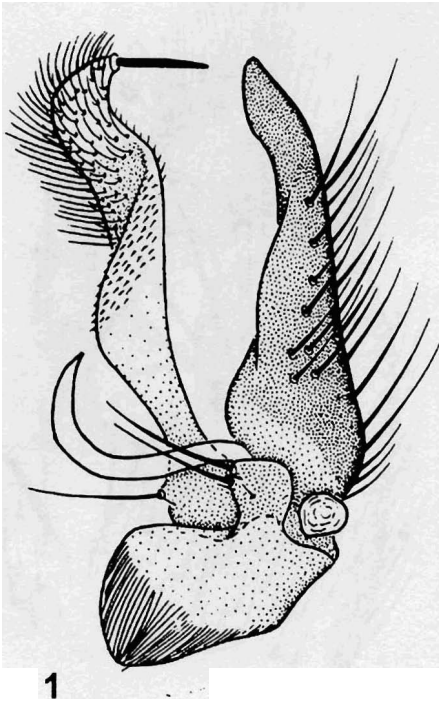
Remarks. *A. subulata* is close to *A. lewis* Dzied. from which it is distinguished in the form of the sclerotized part of gonostylus.

Allodia (Brachycampta) montana A. Zaitzev, sp. n. (Figs 5, 6)

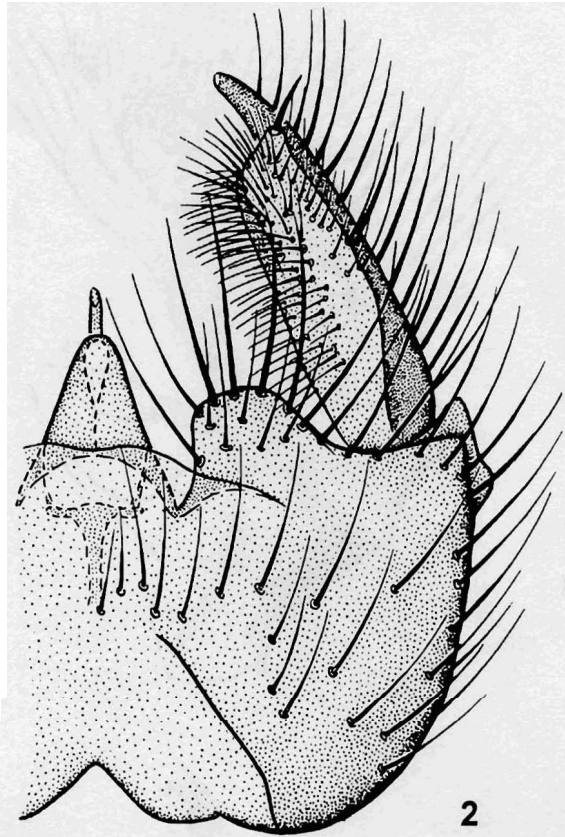
Holotype ♂, Russia, Altai, Teletskoe lake, Artybash, 27.V.1982, A. Zaitzev leg.

Paratypes. 2 ♂, Russia, Sakhalin I., Kuznetsov Cape, 11, 16.IX.1986, A. Zaitzev leg. (deposited in A. N. Severtzov Institute).

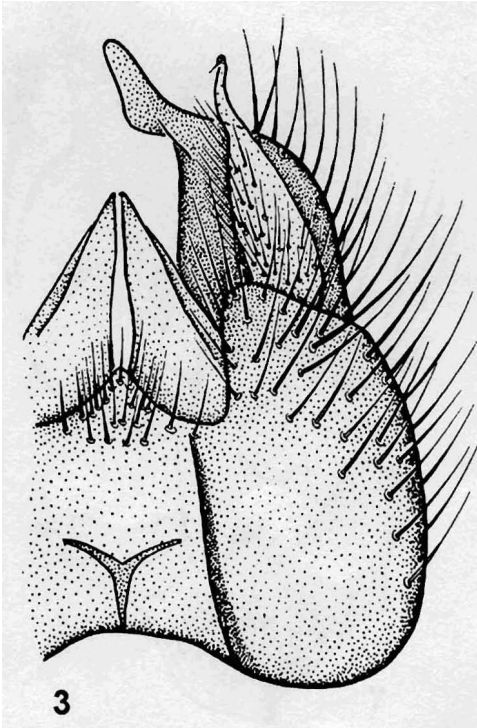
Male. Head black with yellow mouth parts. Clypeus dark brown. Antennae with scape, pedicel and base



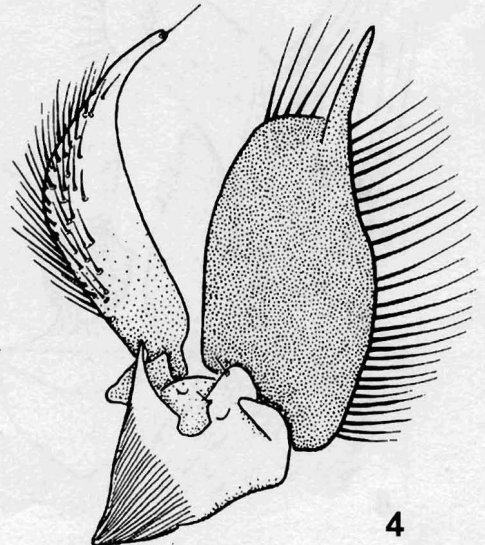
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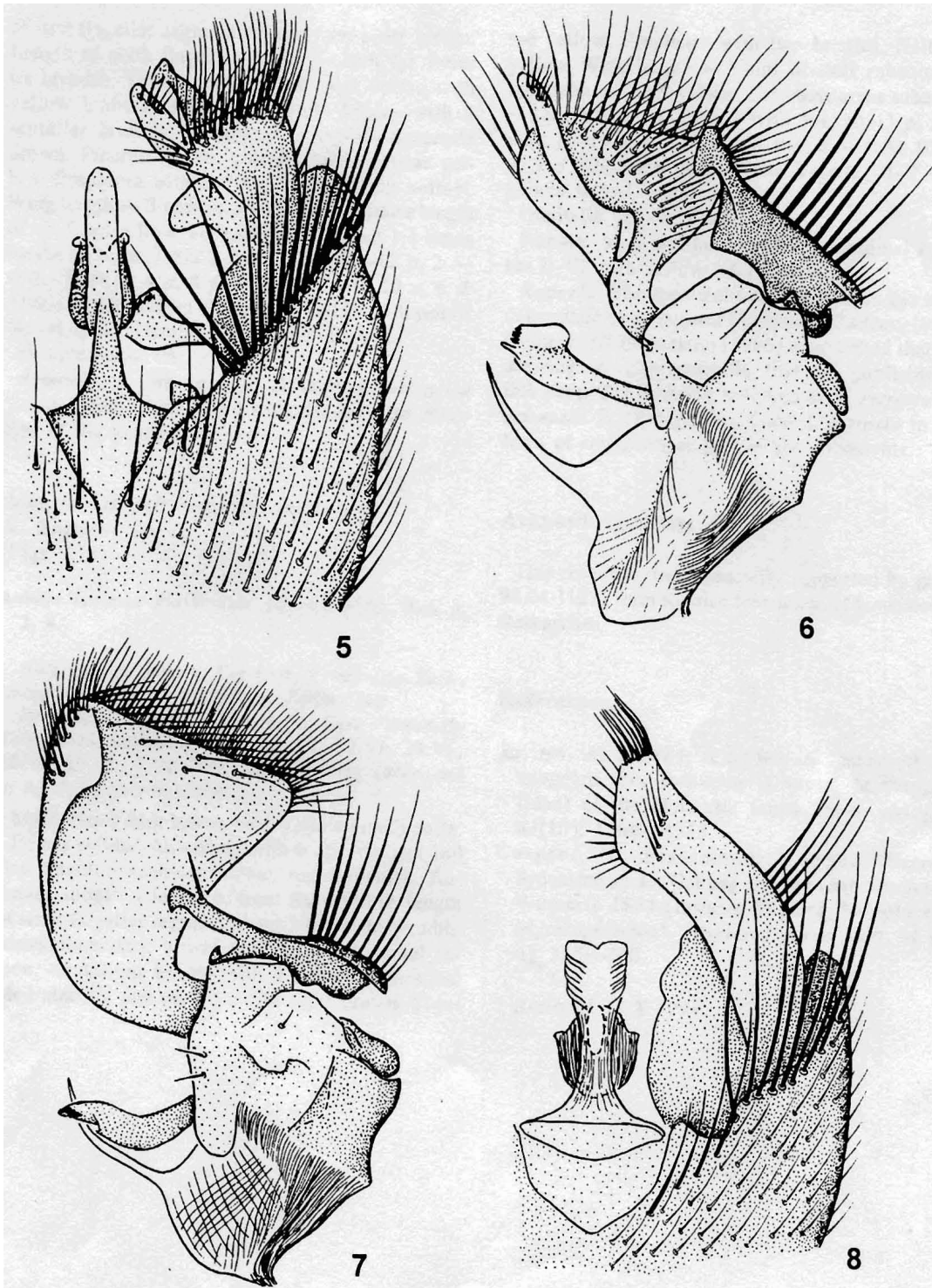
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4

Figs 1—4. *Anatella*.

1, 2, *A. crispera* sp. n.: 1, gonostylus from inner side; 2, male genitalia, ventral view. 3, 4, *A. subulata* sp. n.: 3, male genitalia, ventral view; 4, gonostylus from inner side.



Figs 5—8. *Allodia*.

5, 6, *A. montana* sp. n.: 5, male genitalia, ventral view; 6, gonostylus from inner side. 7, 8, *A. orientalis* sp. n.: 7, gonostylus from inner side; 8, male genitalia, ventral view.

of first flagellar segment yellow, remainder brown. Length of sixth flagellar segment about 1.1 times its breadth. Thorax. Mesonotum dark brown with yellow humeral spots. Scutellum brown with 2 scutellar bristles. Mediotergite and pleurotergite brown. Pleurae brown, pteropleura sometime yellow. Propleura with 2-3 bristles. Halteres yellow. Wing length — 3 mm. *M*-stalk about 0.7 times length of *rm*. Legs yellow. Fore basitarsus about 1.1 times length of tibia. Tibia 1 with 0-3 *a*, 11-12 *p*; 2 — with 16-18 *a*, 4 *d*, 8 *p*, 4 *v*; 3 — with 10 *a*, 6 *d*. Abdomen dark brown. Tergites III and IV with yellow lateral spots. Genitalia yellow, Figs 5, 6.

Female unknown.

Remarks. *A. montana* is close to *A. silvatica* (Landr.) from which it is distinguished by the structure of the gonostylus.

Allodia (Brachycampta) orientalis

A. Zaitzev, sp. n.
(Figs 7, 8)

Allodia retracta Plassmann, Zaitzev, 1984, Figs 6, 3, 4.

Holotype. ♂, Russia, Far East, Primorsky Terr., Lazo, Sokolchi, 7.VII.1979, A. Zaitzev leg.

Paratypes. 37 ♂, 10 ♀, Russia, Far East, Primorsky Terr., Lazo, Sokolchi, 10.VI., 16.VI., 22.VI., 24.VI., 25.VI., 29.VI., 7.VII.1979, A. Zaitzev leg. (deposited in A. N. Severtzov Institute).

Male. Head dark brown with yellow mouth parts. Clypeus yellow. Antennae with scape, pedicel and first flagellar segment yellow, rest brownish. Antennae about 1.1 length of front femur+tibia; length of sixth flagellar segment about 3 times its breadth. Mesonotum dark brown with yellow humeral region. Scutellum brown with 2 scutellar bristles. Mediotergite and pleurotergite light brown. Pleu-

rae yellow. Propleura with two bristles. Halteres yellow. Wing length — 3 mm. *M*-stalk subequal in length to tibia. Tibia 1 with 3 *a*, 10-11 *p*; 2 — with 16-19 *a*, 4-5 *d*, 5 *p*, 8-9 *v*; 3 — with 10-12 *a*, 7 *d*. Abdomen dark brown. Tergites II-V with yellow lateral spots.

Genitalia yellow, Figs 7, 8.

Female. Very similar to male. Abdominal tergites II-VI with yellow lateral spots.

Remarks. The specimens of this species has been determined as *A. retracta* Plassmann (Zaitzev, 1984). Caspers and Plassmann (1986) established that the drawings of male genitalia, that was published in this paper not relate to holotype of *A. retracta*. *A. orientalis* is distinguished from *A. retracta* in the form of small dorsal part of the gonostylus.

Acknowledgements

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References.

Zaitzev, A. I. 1984. A review of species of the subgenus *Brachycampta* (Diptera, Mycetophilidae) of the Holarctic fauna. *Zool. zhurnal*, 63(10): 1504—1515.
Caspers, N., Plassmann, E. 1986. Jungere Synonyme in der Gattung *Allodia (Brachycampta)* Winnertz 1863 (Insecta: Diptera: Nematocera: Mycetophilidae). *Senckenbergiana biol.*, 66 (4/6): 255—260.

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