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SCATHOPHAGA EXALATA SP. N. (DIPTERA, SCATHOPHAGIDAE) WITH REDUCED WINGS FROM KURIL ISLANDS

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A new apterous species of Scathophagidae is described from Russia, Kuril Is: Chirinkotan, Ekarma, Raikoke, Yankicha.

KEY WORDS: Diptera, Scathophagidae, new species, Kuril Islands.

А.Л.Озеров. Новая бескрылая муха *Scathophaga exalata* sp.n. (Diptera, Scathophagidae) с Курильских островов // Дальневосточный энтомолог. 1996. N 35. С. 1-4.

С Курильских островов описан новый бескрылый вид семейства Scathophagidae.

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INTRODUCTION

During the expedition of International Kuril Island Project (IKIP) in 1995-1996 a series of strange flies with reduced wings have been collected. These specimens have been sent me for a identification and they belong to the new species of Scathophagidae. The description of unknown *Scathophaga* species is given below. Holotype and part of paratypes are deposited in the collection of Zoological Museum of Moscow State University [ZMMU].

other paratypes in the collection of Institute of Biology and Pedology, Vladivostok [IBPV] and Entomology Division of the Natural History Museum of Los Angeles County [LACM].

Scathophaga exalata Ozerov, sp. n.

Figs 1-5

MATERIAL. Holotype, ♂: RK-96-ASL-015, Kuril Islands, Raikoke, 48°17'86"N, 153°15'64"E, 13.VIII 1996 (K. Es'kov) [ZMMU]. Paratypes: 1♂, 4♀ with the same label as holotype [ZMMU-IBPV]; 1♀, RK-96-ASL-015, Kuril Islands, Raikoke, 48°17'86"N, 153°15'64"E, 13. VIII 1996 (L. Prozorova) [IBPV]; 1♀ 2♂, CR-96-ASL-011, Kuril Islands, Chirinkotan, 48°59'24"N, 153°28'09"E, 10. VIII 1996 (L. Prozorova) [IBPV]; 1♂, EK-96-ASL-012, Kuril Islands, Ekarma, 48°57'55"N, 153°55'17"E, 10. VIII 1996 (K. Es'kov) [IBPV]; 1♀ 1♂, US-95-SG-035, Kuril Islands, Ushishir, Yankicha I., environs of Kraternaya Bay, 47°31'10"N; 152° 49'00"E, 200 m, depression dominated by *Salix arctica*, 20. VIII 1995 (S. Lindsay & J. A. Lopez) [LACM].

DESCRIPTION. FEMALE. Front reddish brown, matt, along margin of eye with greyish pollen. Gena and parafacial yellow to reddish brown, matt. Face yellowish, with goldish pollen. Postcranium black, with greyish pollen. Antenna black. Palpus pale brown, prementum dark brown. Frontal vitta bare. Head with following paired bristles: 5-8 frontals, 3-4 orbitals, 1 ocellar, 1 posteroventral, 1 outer vertical, and 1 inner vertical. Postcranium with short black bristles. Gena with several bristles along lower margin. 4-5 vibrissae present. First flagellomere rounded apically, somewhat longer than pedicel. Arista bare. Palpus long, narrow, and gradually somewhat widening towards apex, with long black bristles.

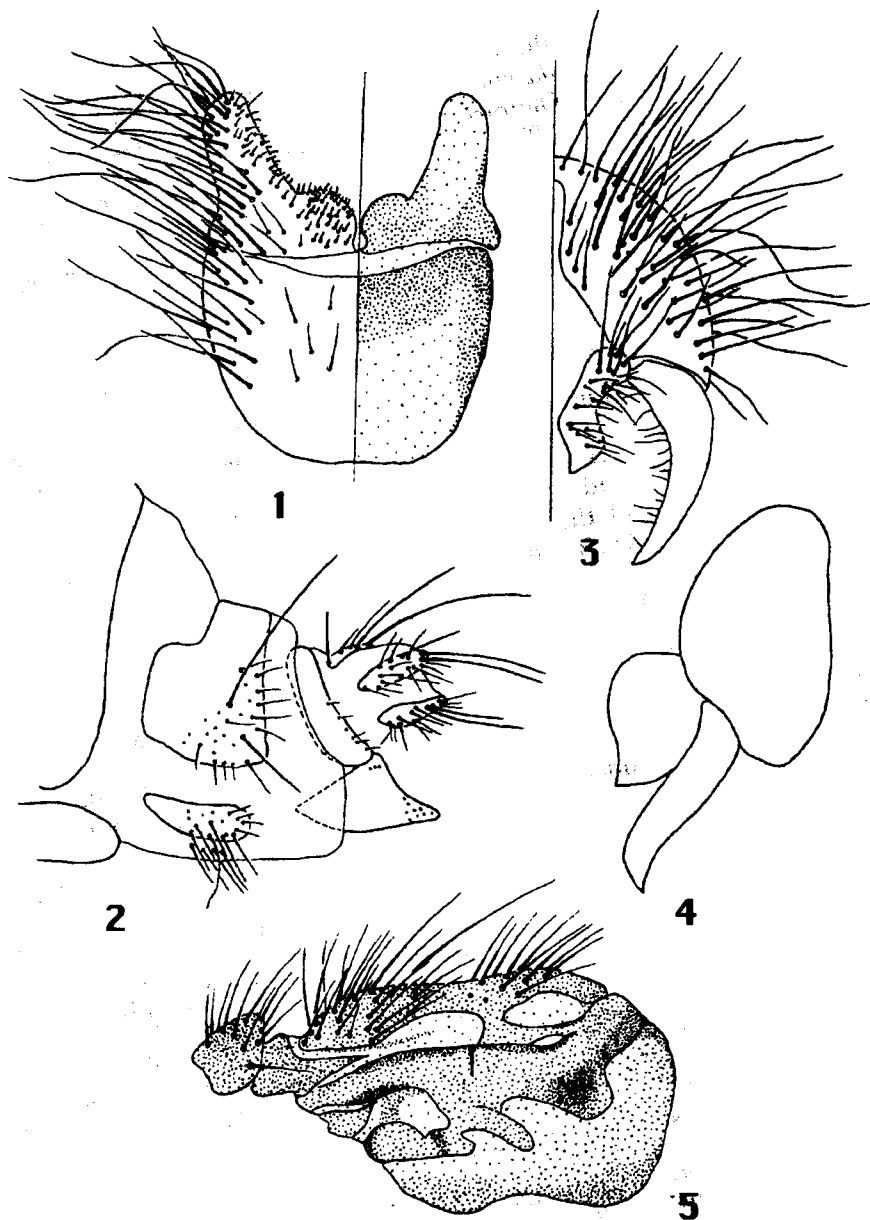
Thorax black, with greyish pollen. Anepimeron, katatergite, anatergite, mediotergite, meron, and metepisternum bare; katepimeron with 2 hairs; the rest pleural sclerites, as well as mesonotum and scutellum with black hairs. Mesonotum with following paired bristles: 3 postpronotals, 2 notopleurals, (1-2)+2 supra-alars, 2+2 intra-alars, 3+5 dorsocentrals. Anepisternum with 1-2 bristles near posterior margin; katepisternum with 1 bristle in upper posterior angle; 1 proepisternal and 1 proepimeral bristles present.

Legs brown to black, with greyish pollen. Fore tibia with 3 thin *d*, 2 long and thin *ad*, and 4 strong *pr*. Mid tibia with 3-4 *ad*, 4 *av*, 2-4 *a*, 3-4 *pd*, 2 *pr*, 1 *v*, and a ring of apical bristles. Hind tibia with 3-4 *pd*, 3-4 *ad*, 2-3 thin *a*, 4 thin *av*, and 3 apical bristles on anterior surface.

Wing strongly reduced (Fig. 5). Length of wing approximately equal to length of tarsomere 2 of hind leg.

Abdomen black, greyish pruinose, with black bristles, which are longer along posterior margin of tergites. The apex of abdomen laterally as in Fig. 2. Length of body - 7.0-10.3 mm.

MALE. Similar with female, but head, thorax, legs, and abdomen with very long dark brown dense curved hairs. Front with 8-9 fronto-orbital bristles; posterovertical, outer vertical, and inner vertical, as well as thoracic and scutellar bristles almost not different from hairs on postcranium and thorax.



Figs 1-5. *Scathophaga exalata* sp. n. 1) sternite 5 of male; 2) apex of female abdomen; 3) epandrium and surstylus, dorsal view; 4) same (outline), lateral view; 5) wing.

Fore tibia with 2 *pv* in apical quarter. Mid tibia with 1 *a*, 1 *ad*, 2 *av*, and 1 *pv* in apical quarter, and with a ring of apical bristles. Hind tibia with 1 *ad* and 2-3 apical bristles on anterior surface. Sternite 5, epandrium, and surstylus as in Figs 1, 3, 4. Length of body – 9.5-12.0 mm.

DIAGNOSIS. *Scathophaga exalata* sp. n. differs from all other species of the genus by reduced wings. The male of the new species is similar to *S. dasythrix* (Becker, 1894) from Russia (Pacific coast Beringin Strait to Olutorsky Bay, Commander Is., north Kurile Is.) (Gorodkov, 1986), but easily differs by the presence of 2 *pv* on the fore tibia and bristles at the apical quarter of the mid tibia.

REMARKS. The flies have been collected on these small volcanic islands in the rocky debris near the seabird nests and probably this species related with bird colonies on the seashore (information of A. Lelej).

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