

## ***Argyra (Leucostola) negrobovi* sp. n. from the Far East of Russia (Diptera: Dolichopodidae)**

IGOR YA. GRICHANOV & IGOR V. SHAMSHEV

Grichanov, I. Ya. & Shamshev, I. V. *Argyra (Leucostola) negrobovi* sp. n. from the Far East of Russia (Diptera: Dolichopodidae). *Dipterological Research*, 4(4): 191—194.

*Argyra (Leucostola) negrobovi* sp. n. from the Khabarovsk Territory are described. A key to Palearctic species of the subgenus *Leucostola* are given.

I. Ya. Grichanov, All-Russian Institute of Plant Protection, Podbelskogo 3, Pushkin, St. Petersburg, 189620, Russia.

I. V. Shamshev, All-Russian Institute of Plant Protection, Podbelskogo 3, Pushkin, St. Petersburg, 189620, Russia.

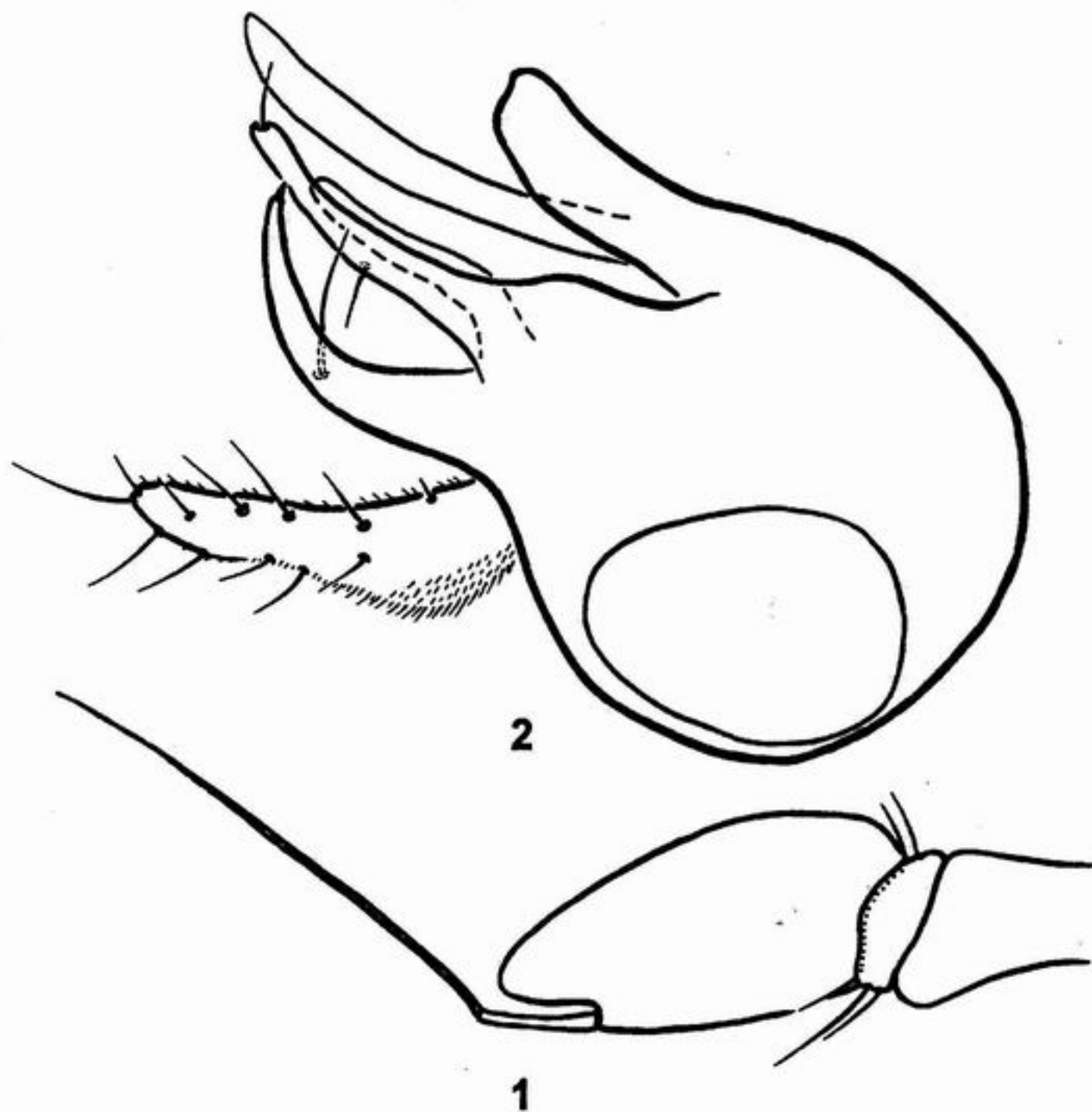
**Key words:** Diptera, Dolichopodidae, *Argyra (Leucostola)*.

### ***Argyra (Leucostola) negrobovi* sp. n. (Figs 1—2)**

**Holotype.** ♂, Russia, vicinity of Khabarovsk, Vostochnoye, 9.VIII.1991 (Grichanov), deposited in the Zoological Institute, St. Petersburg.

**Description.** Frons and face densely silvery-white pollinose. Face narrow, four times as high as wide in the middle. Occiput concave, bronze-green, grey pollinose. One pair of ocellar, external vertical and internal vertical bristles. Palpi short, yellow, covered with small brown hairs, with black bristle on apex. Proboscis short, black, with black hairs. Postocular bristles black in the upper part and white in the lateral and lower parts of the head. Eyes with short white hairs.

Antennae inserted above the middle of the head, black, their length equal to height of head; first segment bare, third segment oblong-triangular, bare, twice as high as wide at base, 1.5 times longer than first and second segments combined. Arista inserted in apical quarter of dorsal margin of third antennal segment, with short hairs, twice longer than dorsal margin of third segment; basal article of arista 4.5 times shorter than apical article. Mesonotum metallic bronze-green, pleura densely greyish-white pollinose. Propleura with some white hairs; 1 *h*, 1 *ph*, 2 *ntpl*, 1 *ia*, 1 *sa*, 1 *pa*. Six pairs of dorsocentral bristles, acrostichals in fore part of mesonotum in two rows. Scutellum with two long and two short bristles. Legs and coxae



Figs 1—2. *Argyra (Leucostola) negrobovi* sp. n.  
1, antenna; 2, hypopygium, lateral view.

yellow, middle coxae with brown spot, two apical segments of tarsi slightly darkened. Fore coxae from the front with dense yellow hairs and with four or five black bristles of various length. Middle coxae from the front with yellow and black hairs, and with two strong black bristles, from the outside almost bare. Hind coxae with one long and one short black external bristles, with several yellow hairs, and with one anterior black bristle at apex. Hind trochanter with one long thin brown dorsal bristle. Fore femora all along, middle femora in basal half and hind femora near base with internal yellow hairs, of the length smaller than diameter of respective femora. Hind femora with one or two small preapical bristles. Fore tibiae with three anterodorsal, two posterodorsal, and two or three apical bristles. First segment of fore tarsi beneath with a number of short bristles, which are longer than diameter of segment. Proportion of length of fore tibia and tarsi (segments from first to fifth) — 6.5 : 4.5 : 1.5 : 1.1 : 0.7 : 0.7. Middle tibiae with three anterodorsal, one posterodorsal, and three or four apical bristles. Proportion of length of middle tibia and tarsus (segments from first to fifth) — 9.5 : 5.0 : 2.5 : 2.0 : 1.1 : 0.9. Hind tibiae with three anterodorsal, four strong and several small posterodorsal and four or five apical bristles. Proportion of length of hind tibia and tarsi (segments from first to fifth) — 11.4 : 3.0 : 3.0 : 2.4 : 1.4 : 1.0. Wings short, wide, slightly greyish; veins yellowish-brown,  $R_{4+5}$  and  $M_{1+2}$  near apex almost parallel. Squamae yellow with brown border, with yellow bristles.

Abdominal segments I—III yellow, translucent, with black stripe on posterior margin, segment IV with brown-yellow spot; the rest of segments bronze-black,

grey pollinose. All segments of abdomen with black hairs and bristles, segment I above and laterally, segment II beneath with yellow hairs. Hypopygium black, at least with one long macrocheta, and with short strong bristles. Cerci black, short, narrow, stick-shaped, with black short external bristles. Gonopodes yellow-brown, as long as cerci; dorsal lobi narrow, crescent-shaped, pointed at apex; ventral lobi narrow, almost straight.

Length: body — 4.5 mm; wing — 4.0 mm.

**Distribution.** Russia: Khabarovsk Territory.

**Diagnosis:** The new species is closely related to *A. (L.) vanoyei* Parent, 1926 from Shanghai, China, but it is clearly distinguished by chaetotaxy of legs and by morphology of hypopygium.

#### Key to Palearctic species of the subgenus *Leucostola* Loew

1. Abdomen completely bronze-green. Palpi black. Coxae mostly black. Cerci oval . . . . . 2  
— Abdominal segments I—III yellow. Coxae yellow (at most the middle coxae with dark spot). Palpi yellow. Cerci pointed at apex. . . . . 3
2. All femora partly black. Hind trochanters black. Arista slightly longer than third antennal segment. Abdomen almost completely silvery-white pollinose . . . . . *A. (L.) vestita* Wiedemann  
— Only hind femora black at apex. Hind trochanters yellow. Arista twice longer than third antennal segment. Only abdominal segment I silvery-white pollinose. . . . . *A. (L.) miki* Kowarz
3. Middle tibiae without strong ventral bristles. Fore coxae with yellow bristles. Hypopygium without macrochaetae.

194 I. Ya. Grichanov & I. V. Shamshev: *Argyra (Leucostola) negrobovi* sp. n.

Cerci triangular. . . . .

. . . . . *A. (L.) vanoyei* Parent

— Middle tibiae with one strong antero-ventral bristle. Fore coxae with black bristles. Hypopygium with strong mac-

rochaetae. Cerci stick-shaped . . . . .

. . . . . *A. (L.) negrobovi* sp. n.

*Received 1.XI.1993*