

Godhole, N.N. and V.G. Vaidya. University of Poona, India\*. A new species of genus *Leucophenga* (Drosophilidae) from India: *Leucophenga* (*Leucophenga*) *neoangusta* sp. nov.

(1977)  
darker. Arista with about 8 dorsal and 4 ventral rays including the terminal fork. Palpus dark brown with few prominent bristles. Second oral about 1/3 the first. Second orbital minute. First orbital slightly shorter than the third. Post-vertical small. Occiput black.

Four species of *Leucophenga* have been reported so far from India. A new species belonging to this genus is described here.

**DESCRIPTION OF MALE IMAGO:** General features and head: Body about 2.7 mm in length. Eyes red, bare. Antenna brown, third segment dark brown. Palpus dark brown with few prominent bristles. Second oral about 1/3 the first. Second orbital minute. First orbital slightly shorter than the third. Post-vertical small. Occiput black.

Thorax: Mesonotum orange, with a dark brown squarish area behind dorsocentrals. Thin dark brown lines along the dorsocentral lines. Scutellum dark brown. Humerals 2, lower longer. Acrostichal hairs in 10 irreg-

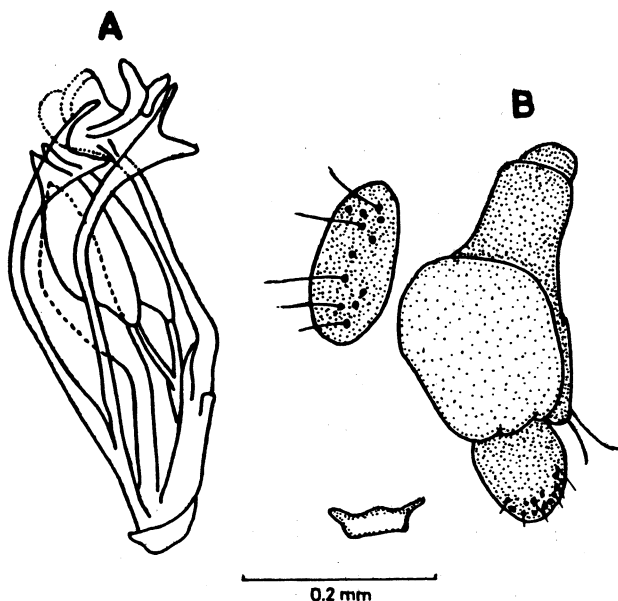


Figure: *Leucophenga neoangusta* sp. nov.  
A. Phallic organs; B. Periphallic organs.

ular rows. Cross distance between dorsocentral about four times the length distance. Prescutellars well developed, slightly longer than the anterior dorsocentrals. Anterior scutellars divergent. Posterior scutellars crossing each other. Sterno-index about 0.7.

Legs: Yellowish. Middle and hind knees black. Prepsicals on all three tibiae and apicals on second. Two longitudinal rows of cuneiform bristles enclosing two rows of stout

bristles on second tarsus.

Wings: About 2.3 mm in length. Anterior part of wing fuscus. Third costal section with about 8 thornlike warts. Costal index about 2.0. 4th vein index about 2.4. 4C-index about 1.5. 5X-index about 1.2. C1 bristles 2. C3 bristles on basal 2/3.

Abdomen: 1T yellow, remaining tergites mostly black. 2T medially yellow. 3T paler, with median black spot.

Periphallic organs: Genital arch dark brown, broad, pubescent and truncate below. Heel prominent with 3 long bristles. Clasper oval, pubescent and with few stout bristles on the lower half. Anal plate separate from the genital arch, elongate and with about 10 long bristles and numerous small evenly distributed bristles. Decasternum roughly rectangular.

Phallic organs: Aedeagus yellow, apically pointed, pubescent. Anterior paramere oblong. Posterior paramere slender. Ventral fragma narrow and pointed proximally. Novasternum slender, apically bifid.

**MATERIAL:** Holotype: Male: Poona (India) July 1972 (Vaidya). Deposited with Department of Zoology, University of Poona, Poona 411 007, India.

Paratype: 3 males, 2 females. 1 male deposited with Professor T. Okada, Department of Biology, Tokyo Metropolitan University, Tokyo, Japan.

**HABITAT:** The flies were collected on vegetable garden plots by sweeping with net. It was not possible to rear them in the laboratory.

**RELATIONSHIP:** This species is closely related to *Leucophenga* (*L.*) *angusta*. However, it differs from the latter in having black quadrate area at the caudal part of mesonotum and in having a few stout bristles on the ventral half of clasper.

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