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## NEW SPECIES OF THE GENUS *EURYTOMA* (HYMENOPTERA, EURYTOMADAЕ) FROM UKRAINE AND ISRAEL

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**New Species of the Genus *Eurytoma* (Hymenoptera, Eurytomidae) from Ukraine and Israel.** Zerova M. D., Seryogina L. Ya. — Two new species: *Eurytoma kuslitzkyi* Zerova, sp. n. from Israel and *Eurytoma cornuta* Zerova, sp. n. from Ukraine are described. The first species belongs to the *robusta* species group, and differs from other species of this group by the structure of the mesosternal shelf with two projections. The second species belongs to the *compressa* species group and differs from all other species of this group by the sharp corn on mesopleura.

Key words: Hymenoptera, Eurytomidae, new species, Ukraine, Israel.

**Новые виды рода *Eurytoma* (Hymenoptera, Eurytomidae) из Украины и Израиля.** Зерова М. Д., Серюгина Л. Я. — Описаны *Eurytoma kuslitzkyi* Zerova, sp. n. из Израиля и *E. cornuta* Zerova, sp. n. с юга Украины. Первый вид относится к группе видов *robusta*, отличается от всех других видов этой группы формой мезостерального киля, несущего два выступа. Второй вид относится к группе *compressa*, отличается от других видов этой группы наличием высокого острого выступа на боках среднегруди.

Ключевые слова: Hymenoptera, Eurytomidae, новые виды, Украина, Израиль.

### *Eurytoma kuslitzkyi* Zerova, sp. n.

Material. Holotype ♀, Israel, Rehovot, ex *Bactrocera oleae* (Gmelin) (Tephritidae), 5.08.2008 (Kuslitzky). Paratypes: 3 ♀, 4 ♂ with the same labels as the holotype.

**F e m a l e** (holotype; fig. 1, 1–3, 5). Length of body 2.0–2.4 mm, holotype 2.0 mm. Body black; coxae black, femora black with yellow tips, tibiae black in the middle, yellow at the basal and distal parts, tarsi light yellow, almost white with brown last segments; antennae with scape yellow, pedicel and flagellum light brown; fore wing hyaline, veins light yellowish, almost white; tip of ovipositor brown.

Head from above much wider than pronotum, wider than long in ratio 45 : 21; POL longer than OOL in ratio 10 : 3. Head in frontal view wider than high in ratio 45 : 35, eyes bare, gena short, longitudinal eye diameter longer than gena in ratio 20 : 13; external clypeus margin slightly incised in the middle, lower face with thin striae; sculpture of face and occiput very thin with dense white and short pubescence; postgenal keel thin. Antennae inserted some below middle of face, face cavity with thin lateral border; scape short, not reaching mid ocellus, anellus very short, pedicel about 2/3 the length of first flagellar segment; all flagellar segments somewhat longer than wide, first segment longer than other segments; club distinct, wider than flagellum, pubescence of flagellum long, setae as long as width of flagellar segments.

Mesosoma somewhat bulging, pronotum (from above) short, almost 3 times as wide as long, shorter than scutum, which is some shorter than scutellum. Mesosternal keel distinct, with two projections, mesopleura with very fine reticulation.

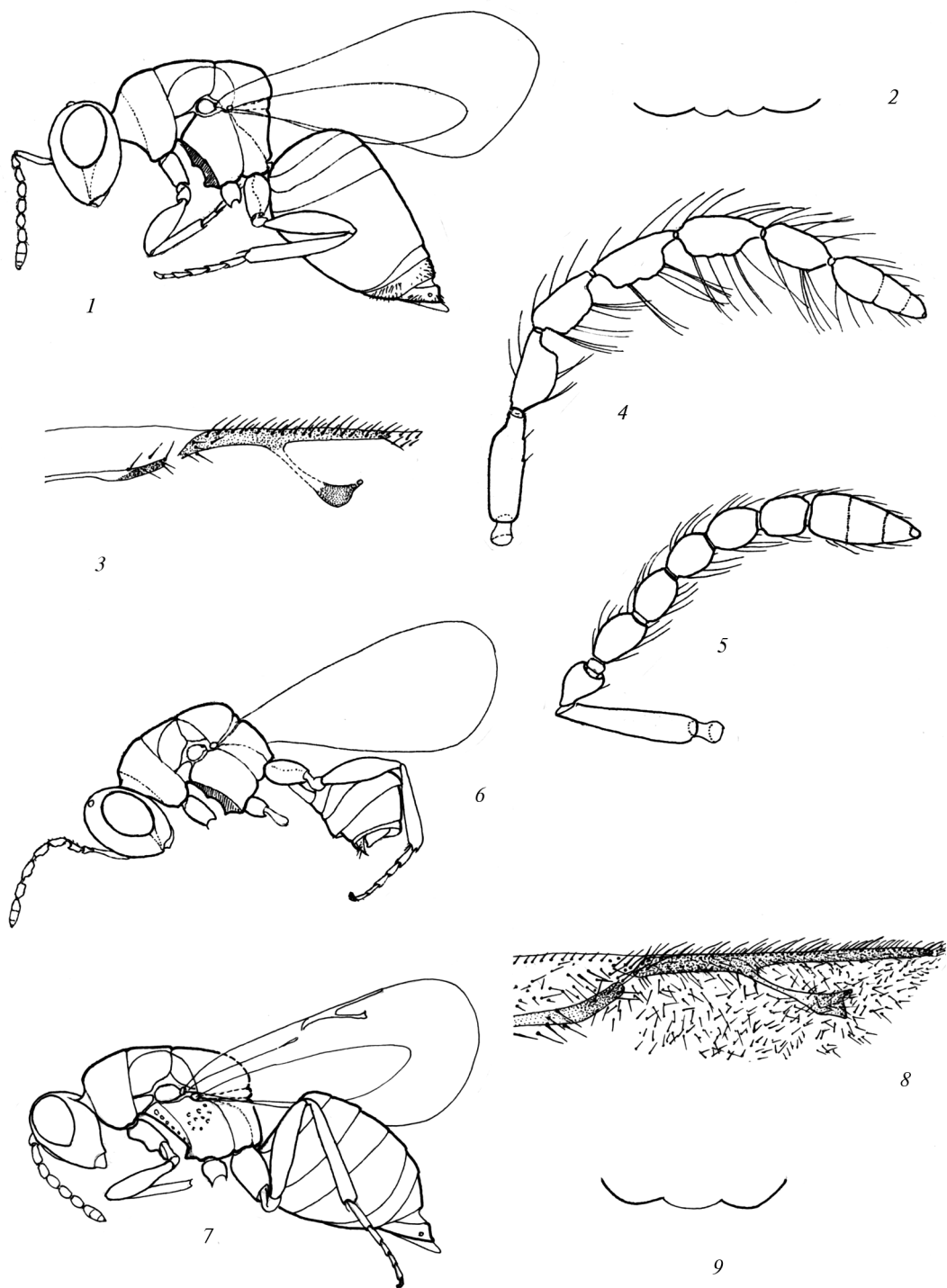


Fig. 1. The morphological peculiarities of *Eurytoma* species. *Eurytoma kuslitzkyi* sp. n. (1-6): 1 — female, profile; 2 — external margin of clypeus; 3 — forewing venation; 4 — antenna, male; 5 — antenna, female; 6 — male, profile. *Eurytoma cornuta* sp. n. (7-9): 7 — female, profile; 8 — forewing venation; 9 — external margin of clypeus.

Рис. 1. Особенности морфологии видов *Eurytoma*. *Eurytoma kuslitzkyi* sp. n. (1-6): 1 — самка, вид сбоку; 2 — внешний край наличника; 3 — жилкование передних крыльев; 4 — усик самца; 5 — усик самки; 6 — самец, вид сбоку. *Eurytoma cornuta* sp. n. (7-9): 7 — самка, вид сбоку; 8 — жилкование передних крыльев; 9 — внешний край наличника.

Propodeum without median furrow, with fine reticulation. Fore coxa with distinct lamella, mid coxa without lamella, hind coxa without vertical keel. Fore wing discus in basal part almost bare, the distal 2/3 with very short white pubescence, speculum bare; marginal, postmarginal and radial vein as 28 : 34 : 28.

Metasoma. Abdomen some longer than mesosoma (41 : 31) with very short petiolus, the lateral sides of tergites with very thin punctuation; only 5th, 6th tergites with short white pubescence.

Male (fig. 1, 4, 6). Length of body 1.1–2.0 mm. Colour and pubescens as female. Petiole of gaster some longer than hind coxa. Antennae with scape not swollen; flagellum 5-segmented, club 3-segmented. Flagellar pubescens sparse, segmental setae some more than 1.5 times as long as width of segments..

Comparative remarks. *Eurytoma kuslitzkyi* Zerova, sp. n. belongs to the *robusta* species group and differs from all the palearctic species of this group (Зерова, Серегина, 2006) by the structure of mesosternal shelf with two projections.

Ethymology. The species is named after entomologist Wolf Kuslitzky who reared this species from *Bactrocera oleae* in Israel.

### ***Eurytoma cornuta* Zerova, sp. n.**

Material. Holotype ♀, Ukraine, Donetsk Province, Nature Reserve Kamennyie Mogily, 26.05.2009 (Simutnuk). Paratype: ♀, with the same label as in the holotype.

Female (holotype; fig. 1, 7–9). Length of body 3.5 mm. Body black, coxae black, femora black with yellow tips, tibiae black in the middle yellow in basal part and at the tip; tarsi yellow with brown last segments; antennae black, including scape and pedicel; fore wing hyaline, veins brown, tip of ovipositor dark brown.

Head from above stout, wider than pronotum, width to length 78 : 35; POL longer than OOL in ratio 18 : 8. Head in frontal view wider than high in ratio 78 : 52; eyes prominent, bare; longitudinal eye diameter equal to length of gena, external clypeus margin some bulging, postgenal carina high and sharp; face and occiput with white dense pubescence and strong umbilicate sculpture; the face cavity deep, with sharp border on the sides. Antennae inserted in the middle of the face, scape not reaching the mid ocellus, anellus very short, pedicel much shorter than the first flagellar segment; all flagellar segments longer than wide, the first segment almost twice as long as wide, club 3-segmented, not wider than flagellum, pubescence of flagellum very short.

Mesosoma some bulging (in profile), pronotum (from above) long, 1.5 longer than wide, some longer than scutum, but slightly shorter than scutellum; mesopleuron with thin longitudinal carina and row of punctures in front of it; sculpture posterior of carina with thin punctuation; corn before mid coxa high and sharp; prepectus flat. Propodeum with deep median carina and deep punctures at sides. Fore coxa with developed lamella, mid coxa without lamella, hind coxa without vertical keel. Fore wing discus with dense short brown pubescence, only speculum bare, marginal, postmarginal and radial veins as 35 : 47 : 22.

Metasoma with very short petiolus, abdomen as long as mesosoma; lateral sides of 3–6th abdominal tergites with thin punctuation, 4–6th with long white pubescence.

Male not known.

Comparative remarks. *Eurytoma cornuta* Zerova, sp. n. belongs to the *compressa* species group. It differs from all the species of this group by sharp corn on mesopleura.

Ethymology. The species name *cornuta* refers to the characters of sculpture of the mesopleuron.