

TWO NEW SPECIES OF THE GENUS *PARMENA* DEJEAN, 1821 (COLEOPTERA: CERAMBYCIDAE) FROM EASTERN EUROPE

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ABSTRACT: *Parmena europaea* Danilevsky, sp. nov. is described from Ukraine and Rumania. The new species is supposed for Moldavia. *Parmena istanbulensis* Danilevsky & Hizal, sp. nov. is described from European Turkey (Istanbul environs). Both new species are similar to *P. balteus balteus* (L.); the distinguishing characters are discussed.

KEY WORDS: New species, taxonomy, Cerambycidae, Lamiinae, *Parmena*, Moldavia, Rumania, Turkey, Ukraine

Parmena species similar to *P. balteus* (Linnaeus, 1767) was several times recorded from Eastern Europe with different names, but all were not adequate. Plavilstshikov (1932) mentioned it for South-West Ukraine as *P. balteus balteus* (Linnaeus, 1767), which was originally described from "Lusitania" (South France, see Sama, 1984) and distributed also in North-West Italy and West Switzerland. Plavilstshikov (1958) joined Ukrainian population from Poltava Region (Yareski, 49°50'N, 33°54'E) to Italian *P. unifasciata* Rossi, 1790 (as *P. balteus unifasciata*). *P. balteus* (= *unifasciata* Rossi following Danilevsky, 1980) was recorded for the European part of USSR by Lobanov et al. (1982). The Eastern Europe was not included in the area of the genus *Parmena* by Sama (1984), but a big query mark was put by him on that territory in the areal map of the genus. According to Sama (1984) the eastern most species of the genus in West Europe is *P. unifasciata* Rossi, 1790, which penetrates eastwards to about Central Rumania (especially mentioned were Baile Herculane and Mehadia). Rumania (Banat) was included in the area of *P. unifasciata* by Sama (2002). *P. balteus* was recorded for Moldavia by Neculiseanu & Baban (2005). *P. pontocircassica* Danilevsky & Miroshnikov, 1985 was recorded for Ukraine by Bartenev, 2009. Moldova was included in the area of *P. unifasciata* by Danilevsky & Smetana (2010).

The study of a female from Ukraine and a female from Rumania (Baile Herculane) shows the considerable differences of the species from *P. unifasciata* Rossi, 1790. Supposedly same species is known from Moldavia.

Parmena europaea Danilevsky, sp. nov.

(Figs. 1-2)

Parmena balteus balteus, Plavilstshikov, 1932: 192, part. - South-West Ukraine.

Parmena balteus unifasciata, Plavilstshikov, 1958: 28, part. - including Poltava Region of Ukraine (Yareski); 1965: 396, part. - south of Ukraine, Caucasus; Panin & Săvulescu, 1961: 372 - Băile Herculane (Rumania).

Parmena unifasciata, Sama, 1984: 225, part. - including Baile Herculane and Mehadia (Rumania); 2002: 96, part. - including Banat (Rumania); Danilevsky & Smetana, 2010: 290, part. - including Moldavia and Rumania.

Parmena balteus, Neculiseanu & Baban, 2005: 201 – Moldavia.

Parmena pontocircassica, Bartenev, 2009: 273, part. – including Poltava Region of Ukraine.

Only two females are available; the species is very similar to *P. balteus balteus*, but frons wider, genae about as long as lower eye lobe (holotype) or a little longer; upper eye lobe narrow, as wide as 4 or 5 ommatidia; 1st antennal joint narrower (about 2.1 times longer than wide) and relatively longer, reaching second third of prothorax; prothorax about as long, as basal width (paratype) or a little longer; lateral thoracic tubercles much smaller; pronotum with irregular wrinkles (holotype) or relatively smooth (paratype); dark transverse elytral band much wider, not interrupted along suture, with rather contrast pale anterior and posterior borders; light setae spots near scutellum hardly pronounced (holotype) or absent (paratype); elytral punctation more sparse, but smaller; short elytral oblique setae hardly visible; body length: 6.2 (holotype) - 7.3 mm, body width: 2.3 (holotype) - 2.9 mm.

Differential diagnoses. The new species is close to *P. pontocircassica* Danilevsky & Miroschnikov, 1985, but *P. pontocircassica* with 1st antennal joint shorter and wider; lateral thoracic tubercles bigger; elytral punctation denser and bigger, elytral band relatively narrow, usually interrupted along suture, its light borders less contrast; light setae spots near scutellum distinct.

The new species is not similar to *P. unifasciata* Rossi, 1790, which is usually much bigger and lighter (reddish); with another character of pronotal and elytral punctation.

Materials. Holotype, female with 2 labels: 1) in Russian [Poltavskaya / Yareski / VII.919], 2) *Parmena ?pontocircassica* det. S.Saluk, 1988 – Plavilstshikov's collection in Zoological Museum of Moscow University; paratype, female with 2 labels: 1) Baile-Herculane / 13.5.1960 / Dr. A. Popescy-Gorj; 2) Colectia / Dr. N. Săvulescu - preserved in "Grigore Antipa" National Museum of Natural History, Bucharest.

Distribution. East Europe, three localities are definitely known; Ukraine, Yareski (49°50'N, 33°54'E) in Poltava Region; Banat area of Rumania: Băile Herculane (44°52'43"N 22°24'51"E) and Mehadia environs (Sama, 1984, 44°54'N, 22°22'E); most probably the record for Moldavia (Neculiseanu & Baban, 2005) was connected with new species.

Etymology. Europaea (Latin) – in English: European.

***Parmena istanbulensis* Danilevsky & Hizal, sp. nov.**

(Figs. 3-4)

Two females available; small dark species also close to *P. balteus balteus*; frons, genae and eye lobes are about same; 1st antennal joint is also short and wide; prothorax a little longer, than basal width with similar lateral tubercles; pronotum with very rough big irregular punctation; partly conjugating dots of different size forming irregular wrinkles; elytra with sparse punctation less pronounced than in *P. balteus balteus*; oblique short setae rather long, pale and that is why rather distinct; pale setae spots near scutellum well developed; dark transverse elytral band wide, interrupted along suture, with contrast pale anterior

and posterior borders; elytral punctation sparser and smaller than in *P. balteus balteus*; body length: 6.7-7.4 mm, body width: 2.6-2.8 mm.

Differential diagnoses. The new species is similar to *P. pontocircassica* Danilevsky & Miroschnikov, 1985, but *P. pontocircassica* is generally smaller; its pronotum with less rough sculpture; elytral band narrower, its light borders less contrast; erect short elytral setae hardly visible.

Materials. Holotype, female, Turkey, Istanbul, Bahçeköy Sarıyer, 25.4.2016, E. Hizal leg. – preserved in the collection of M. Danilevsky (Moscow); paratype, female, same locality, 16.6.2011, E. Hizal leg. – preserved in the collection of the Department of Forest Entomology and Protection, Faculty of Forestry, Istanbul University.

Distribution. European Turkey; the species is known from the nearest environs of Istanbul – Belgrad Forest.

Etymology. The new species is named after the name of its type locality – Istanbul province.

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Figures 1-2. *Parmena europaea* Danilevsky, sp. n., 1. female, holotype, 2. female, paratype.

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Figures 3-4. *Parmena istanbulensis* Danilevsky & Hizal, sp. n., 3. female, holotype, 4. female, paratype.