AN ATTEMPT ON SUBGENERIC COMPOSITION OF THE PALAEARCTIC GENUS STENURELLA VILLIERS, 1974 (CERAMBYCIDAE: LEPTURINAE: LEPTURINI)

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ABSTRACT: The paper was presented an essay on subgeneric composition of the palaearctic genus *Stenurella* Villiers, 1974. As a result of the present work, four new subgenera were described except the nominotypical subgenus for the genus *Stenurella* Villiers, 1974 that has not been included any subgenus until now. Also a key was proposed for all valid taxa of the genus in the text.

KEY WORDS: Stenurella, Cerambycidae, Lepturinae, Lepturini.

The genus Stenurella was described by Villiers (1974) with the type species Leptura melanura Linnaeus, 1758 by original designation. A total of 9 species which are placed in the genus Stenurella Villiers, 1974 now, had been described by various authors until that time. These species are Strangalia approximans Rosenhauer, 1856: 305, Leptura bifasciata O. F. Müller, 1776: 93, Strangalia hybridula Reitter, 1902: 188, Leptura jaegeri Hummel, 1825: 68, Leptura melanura Linnaeus, 1758: 397, Leptura nigra Linnaeus, 1758: 398, Strangalia novercalis Reitter, 1901: 78, Leptura septempunctata Fabricius, 1792: 346 and Leptura vaucheri Bedel, 1900: 336.

After that time, some new species and subspecies have been described by various autors up to now. These species and subspecies are *Stenurella samai* Rapuzzi, 1995: 617, *Stenurella sennii* Sama, 2002: 40, *Stenurella intermedia* Holzschuh, 2006: 219, *Stenurella pamphyliae* Rapuzzi & Sama, 2009: 182, *Stenurella bifasciata safronovi* Danilevsky, 2011: 2, *Stenurella zehrae* Özdikmen et al., 2012: 18, *Stenurella sabinae* Rapuzzi & Sama, 2012: 664 and *Stenurella solaris* Rapuzzi & Sama, 2012: 665 chronologically.

Moreover, Strangalia nigrosuturalis Reitter, 1895: 88 was accepted by Adlbauer (1988) as a subspecies of Stenurella bifasciata. Stenurella intermedia was downgraded by Danilevsky (2011) as a subspecies of Stenurella bifasciata. In the same work, he accepted Strangalia bifasciata v. ferruginipes that was described by Pic (1895: 76) and Strangalia lanceolata Mulsant & Rey, 1863: 177 that was regarded as a synonym of Stenurella bifasciata, as subspecies of Stenurella bifasciata. Also Strangalia bifasciata v. ferruginipes was accepted by Rapuzzi & Sama (2012) as a separate species.

Newly, Löbl & Smetana (2010) gave a total of 15 valid taxa for the genus *Stenurella* in their catalogue as follows:

Stenurella approximans (Rosenhauer, 1856) Stenurella bifasciata bifasciata (O. F. Müller, 1776) Stenurella bifasciata limbiventris (Reitter, 1898) Stenurella bifasciata nigrosuturalis (Reitter, 1895) Stenurella hybridula (Reitter, 1902) Stenurella intermedia Holzschuh, 2006 Stenurella jaegeri (Hummel, 1825) Stenurella melanura (Linnaeus, 1758) Stenurella nigra (Linnaeus, 1758) Stenurella novercalis (Reitter, 1901) Stenurella samai Rapuzzi, 1995 Stenurella sennii Sama, 2002 Stenurella septempunctata septempunctata (Fabricius, 1792) Stenurella septempunctata suturata (Reiche & Saulcy, 1858)

In this manner, the data for the genus were accumulated over the time. Therefore, the data need to be arranged.

Subfamily LEPTURINAE Latreille, 1802: 218 Tribe LEPTURINI Latreille, 1802: 218

Genus STENURELLA Villiers, 1974

and Stenurella vaucheri (Bedel, 1900)

Type sp.: Leptura melanura Linnaeus, 1758: 397

The main diagnostic character for the genus is "pronotum evenly rounded behind front margin".

Also the characters of the genus can be summarized as follows:

Long 5-15 mm. Narrow body, base of elytra rather more large than that of pronotum. Head with more or less lengthened. Eyes big and protruding, emarginated. Antennae strongly at the base, slightly thickened, attaining almost the apex of elytra or slightly longer than elytral apex in the males, about the apical third or the apical fourth in the females, the longest third article, the fifth a little longer than the fourth.

Pronotum trapezoidal, at the front edge narrow, followed by a transverse depression, basal depression weakly and posterior angle very sharpened and strongly extended laterally. Elytra narrow, obliquely truncate or more or less rounded in the apex, if obliquely truncate, then the outer angle of apex pointed or thornlike. Legs long and slender, hind tarsi very narrow, first segment much longer than following two segments together.

The genus Stenurella has Palaearctic chorotype. Stenurella melanura (Linnaeus, 1758) and Stenurella bifasciata (O. F. Müller, 1776) are the widely distributed species. Stenurella nigra (Linnaeus, 1758) and Stenurella septempunctata (Fabricius, 1792) follow them. The other species have more or less locally distribution. Among them, Stenurella approximans (Rosenhauer, 1856) and Stenurella vaucheri (Bedel, 1900) are endemic to Western Mediterranean area; Stenurella hybridula (Reitter, 1902) is endemic to Iberian Peninsula; and Stenurella pamphyliae Rapuzzi & Sama, 2009 and Stenurella zehrae Özdikmen et al., 2012 are endemic to Turkey.

Relatively, *Stenurella approximans* (Rosenhauer, 1856) is the biggest, *Stenurella nigra* (Linnaeus, 1758) is the smallest species for the genus.

The genus can be divided into 7 groups as follows:

Group I (melanura species-group)

Including Stenurella melanura, Stenurella pamphyliae, Stenurella samai samaii, Stenurella samai sennii, Stenurella zehrae.

Group II (bifasciata species-group)

Including Stenurella bifasciata bifasciata, Stenurella bifasciata intermedia, Stenurella bifasciata lanceolata, Stenurella bifasciata limbiventris, Stenurella bifasciata nigrosuturalis, Stenurella bifasciata safronovi, Stenurella ferruginipes (=Stenurella solaris), Stenurella sabinae.

Group III (septempunctata species-group)

Including Stenurella septempuctata septempunctata, Stenurella septempunctata latenigra, Stenurella vaucheri.

Group IV (jaegeri species-group)

Including Stenurella jaegeri, Stenurella novercalis.

Group V (nigra species-group)

Including Stenurella nigra.

Group VI (approximans species-group)

Including only Stenurella approximans.

Group VII (hybridula species-group)

Including only Stenurella hybridula.

A KEY OF THE GENUS STENURELLA VILLIERS, 1974

 1. Posterior part of head (neck) with shallow transverse depression. 2 Posterior part of head (neck) with deeper transverse depression. 4
2. Pronotum with erect hairs; elytral apex more or less rounded
Stenurella hybridula (Reitter, 1902)
Pronotum without erect hairs; elytral apex more or less obliquely truncate3
3. Larger body; Upperside bicolored, head and pronotum black, elytra dark brownish-redSubgen. nov. CRASSOSTENURELLAStenurella approximans (Rosenhauer, 1856) Smaller body; Upperside unicolored, completely black
Subgen. nov. NIGROSTENURELLA
Sterar etta rigra (Linnacus, 1/30)
4. Elytral apex more or less rounded; In females, elytra completely black except brown-yellow or reddish colored basal quarter of elytra
Subgen, nov. STENURELLOIDES5
Elytral apex more or less obliquely truncate; In females, elytra never so like6
 5. Elytra brown-yellow with grayish pubescence; antennae extend to the elytral apex
6. Abdomen completely black; pronotal punctuation strongly or deeper; legs always completely black

Elytral black area less developed
Stenurella bifasciata safronovi Danilevsky, 2011
20. Pronotal punctuation finely and dense
Stenurella bifasciata bifasciata (Müller, 1776)
Pronotal punctuation relatively bigger
Stenurella bifasciata intermedia Holzschuh, 2006
21. Elytral apex more or less rounded.
Stenurella ferruginipes (Pic, 1895)
Stenurella solaris Rapuzzi & Sama, 2012 syn. nov.
Elytral apex more or less obliquely truncate
Stanuralla cabinas Ponuzzi & Somo 2016

Subgenus STENURELLA Villiers, 1974

Type sp.: Leptura melanura Linnaeus, 1758: 397

Group I (melanura species-group)

Including Stenurella melanura, Stenurella pamphyliae, Stenurella samai samai, Stenurella samai sennii, Stenurella zehrae.

Description:

6-12 mm;

Head black except yellowish maxillae; Antennae black in both sexes; In males, antennae extend to the elytral apex or slightly longer than elytral apex; In females, antennae as long as about three fourth or about four fifth of elytra; In both sexes, 3rd the longest antennal segment, 5th and 4th follow it; 4th segment as long as about two third- four fifth (0.64-0.82) of 3rd segment; 4th segment as long as about four fifth-nine tenth (0.76-0.93) or about the same length (0.98) of 5th segment; 5th segment as long as about three fourth-nine tenth (0.73-0.96) of 3rd segment; Posterior part of head (neck) with deeper transverse depression;

Pronotum completely black and as long as about one fourth-two fifth (0.24-0.39) of elytra;

Elytral coloration with sexual dimorphism; In males, elytra brown-yellow, reddish or yellowish with darkened apex and suture; In females, red or reddish with apex and along the suture widely black (apex to base of elytra or never reaches to scutellum (extends apex to first quarter or about one fifth of elytra)); Elytral apex oblique truncate; Elytral width slightly more than half of elytral length (0.50-0.54) or as long as about two fifth (0.38-0.39) of elytra;

Pygidium black;

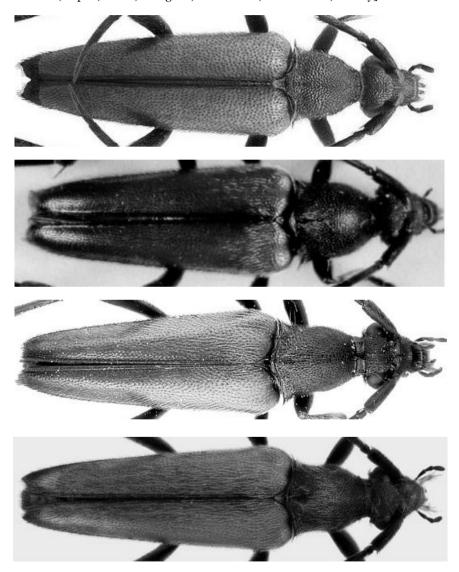
Abdomen completely black in both sexes;

Legs completely black or completely black, but especially tibiae clothed very dense yellow pubescence; First segment of metatarsus slightly longer than the remaining segments together (1.06-1.13 times); First segment of metatarsus as long as 1.50-1.92 times of the 2-3rd segments together; Hind tibia shorter than metatarsus and as long as about two third (0.62) or more (up to 0.88) of metatarsus; Hind tibia longer than first segment of metatarsus. First segment of metatarsus as long as about three fifth-four fifth (0.56-0.81) of hind tibia;

Punctuation of head, pronotum and elytra almost same each other: strongly or deeply; very dense, dense or densely; contiguous or not contiguous;

Upperside with variable pubescence; Head and anterior half of pronotum sometimes with short black pubescence; Pronotum with yellowish or golden yellow pubescence especially in the basal half; Elytra with black or golden-yellow pubescence; Underside with dense yellowish or golden yellow pubescence; Pronotum without erect hairs.

Chorotype: Sibero-European [It distributed in almost all Europe, Siberia, Russian Far East, Japan, China, Mongolia, Kazakhstan, all Caucasus, Turkey].





This group includes five species-group taxa as *Stenurella melanura* (Linnaeus, 1758), *Stenurella pamphyliae* Rapuzzi & Sama, 2009, *Stenurella samai samai* Rapuzzi, 1995, *Stenurella samai sennii* Sama, 2002 and *Stenurella zehrae* Özdikmen et al., 2012 now. The above mentioned characters for the group, therefore, are obtained from them.

Species Stenurella melanura Linnaeus, 1758: 397 (Leptura) diversiventris Dufour, 1843: 103 (Strangalia) georgiana Pic, 1891g: 63 (Strangalia) latesuturata Pic, 1891g: 63 (Strangalia) melanurella Reitter, 1901b: 78 (Strangalia) rubellata Reitter, 1901b: 77 (Strangalia) semicrassa Pic, 1901n: 58 (Leptura) similis Herbst, 1784: 101 (Leptura) suturanigra DeGeer, 1775: 138 (Leptura)

Type loc.: Europa (Europe)

Chorotype: Sibero-European [It distributed in almost all Europe, Siberia, Russian Far East, Japan, China, Mongolia, Kazakhstan, all Caucasus, Turkey].

Species Stenurella pamphyliae Rapuzzi & Sama, 2009: 182

Type loc.: Antalya (Turkey)

It is endemic to Turkey now.

Chorotype: Anatolian [It distributed only in SW Turkey].

Species Stenurella samai Rapuzzi, 1995: 617 **Subspecies** Stenurella samai samai Rapuzzi, 1995: 617

Type loc.: Ildiz dag: Demirköy (European Turkey: Kırklareli prov.)

It is Eastern subspecies.

Chorotype: SE European [It distributed only in Balkans: Bulgaria, Greece, NW Turkey].

Subspecies Stenurella samai sennii Sama, 2002: 40 stat. nov.

Type loc.: France

It is Western subspecies. The taxon was described by Sama (2002) from France. He distinguished only from *Stenurella melanura* in his original description. The taxon, however, is very close to *Stenurella samai* Rapuzzi, 1995. It differs from *Stenurella samai* by denser and deeper pronotal punctuation as the main character. So, it is a subspecies of *Stenurella samai* Rapuzzi, 1995.

Chorotype: S-European [It distributed in France, Switzerland, Italy, Greece].

Species Stenurella zehrae Özdikmen et al., 2012: 18

Type loc.: Düzce (Turkey)

It is endemic to Turkey now.

Chorotype: Anatolian [It distributed only in NW Turkey].

Subgen. nov. PRISCOSTENURELLA

Type sp.: Leptura bifasciata O. F. Müller, 1776: 93

The subgenus includes 2 species-groups as follows:

Group II (bifasciata species-group)

Including Stenurella bifasciata bifasciata, Stenurella bifasciata intermedia, Stenurella bifasciata lanceolata, Stenurella bifasciata limbiventris, Stenurella bifasciata nigrosuturalis, Stenurella bifasciata safronovi, Stenurella ferruginipes (=Stenurella solaris), Stenurella sabinae.

Group III (septempunctata species-group)

Including Stenurella septempuctata septempunctata, Stenurella septempunctata latenigra, Stenurella vaucheri.

So, the following description obtained from the taxa that mentioned above.

Description:

6-12.5 mm;

Head completely black or black except yellowish maxillae, or orange or brown-yellow mouth parts and vertex; Antennae completely black, reddish or orange, or orange or brown-yellow except darkened basal segments; In males, antennae extend to the elytral apex, or slightly longer or slightly shorter than elytral apex; In females, antennae as long as about three fourth or four fifth of elytra; In both sexes, 3rd the longest antennal segment, 5th and 4th follow it, or 3rd antennal segment as long as the same length (0.95-1.05) of 5th and 4th follow it; 4th segment as long as about two third-nine tenth (0.64-0.89) of 3rd segment; 4th segment as long as about three fourth-nine tenth (0.76-0.94) of 5th segment; 5th segment as long as about three fourth (0.72-0.75)-nine tenth (0.82-0.90) of 3rd segment; Posterior part of head (neck) with deeper transverse depression;

Pronotum completely black or almost completely orange; Pronotum as long as about three tenth—one third (0.28-0.37) of elytra;

Elytral coloration with or without sexual dimorphism; If with that, then, in males, elytra dark reddish with darkened apex and the suture, or elytra yellowish with darkened apex, black suture and the base widely or narrowly; In females, reddish or dark red with black apex and behind the middle black widely transversal spot that sometimes very widened along the suture to elytral base; If without that, then, elytra orange (brown-yellow) or yellow with variable black spots in both sexes, but with or without sutural black band; Elytral apex more or less oblique truncate or more or less rounded; Elytral width slightly more than half of elytral length (0.50-0.60);

Pygidium completely black, orange, brown-yellow or reddish, or reddish with black apex;

Abdomen completely or mostly red with last segment blackened in both sexes, or completely orange or brown-yellow except black last segment, or reddish except darkened laterally in males;

Legs completely black, or red or reddish with at least hind tibiae entirely or only apically black, tarsi black, or legs not completely black, in both sexes, mostly orange or brown-yellow with black apex of hind femora and also top of hind tibiae and sometimes middle and hind tarsi darkened, or if legs black except all femora reddish in males, then legs completely reddish in females; First segment of metatarsus slightly shorter or slightly longer than the remaining segments together (0.94-0.97 or 1.04-1.08 times); First segment of metatarsus as long as 1.44-1.64 times of the 2-3rd segments together; Hind tibia shorter than metatarsus and as long as about three fifth (0.58-0.59) or more (up to 0.86) of metatarsus; Hind tibia slightly longer or longer than first segment of metatarsus; First segment of metatarsus as long as about two third- nine tenth (0.66-0.92) of hind tibia:

Punctuation of head, pronotum and elytra almost same each other: finely or deeply; moderately dense or dense; slightly contiguous or not contiguous;

Upperside and underside with yellowish or golden yellow pubescence; Pronotum without erect hairs.

Chorotype: Palaearctic [It is distributed in almost all Europe, European Russia, Caucasus (Armenia, Azerbaijan, Georgia), Turkey, Iran, Iraq, Siberia, Kazakhstan, China, North Africa (Morocco)].

Etymology: From the Latin word "priscus" (meaning in English "ancient, early, former").

The subgenus includes 2 species-groups. Therefore, descriptions of these groups are also given separately as follows:

Group II (bifasciata species-group)

Including Stenurella bifasciata bifasciata, Stenurella bifasciata intermedia, Stenurella bifasciata lanceolata, Stenurella bifasciata limbiventris, Stenurella bifasciata nigrosuturalis, Stenurella bifasciata safronovi, Stenurella ferruginipes (=Stenurella solaris), Stenurella sabinae.

Description:

6-10 mm;

Head black except yellowish maxillae; Antennae black in both sexes; In males, antennae slightly longer or slightly shorter than elytral apex; In females, antennae as long as about four fifth of elytra; In both sexes, 3rd the longest antennal

segment, 5th and 4th follow it, or 3rd antennal segment as long as the same length (0.95-1.05) of 5th and 4th follow it; 4th segment as long as about two third-nine tenth (0.64-0.89) of 3rd segment; 4th segment as long as about three fourth-nine tenth (0.76-0.93) of 5th segment; 5th segment as long as the same length (0.95-1.05) or as long as about nine tenth (0.85-0.90) of 3rd segment; Posterior part of head (neck) with deeper transverse depression;

Pronotum completely black; Pronotum as long as about one third (0.32-0.37) of elytra;

Elytral coloration with sexual dimorphism; In males, elytra dark reddish with darkened apex and the suture, or elytra yellowish with darkened apex, black suture and the base widely or narrowly; In females, reddish or dark red with black apex and behind the middle black widely transversal spot that sometimes very widened along the suture to elytral base; Elytral apex more or less oblique truncate or more or less rounded; Elytral width slightly more than half of elytral length (0.54-0.60);

Pygidium completely black or reddish with black apex;

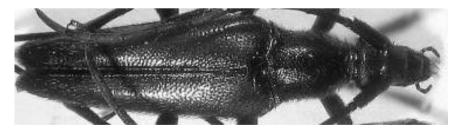
Abdomen completely or mostly red with last segment blackened in both sexes;

Legs completely black, or red or reddish with at least hind tibiae entirely or only apically black, tarsi black; First segment of metatarsus slightly shorter or slightly longer than the remaining segments together (0.94-0.96 or 1.04-1.07 times); First segment of metatarsus as long as 1.44-1.64 times of the 2-3rd segments together; Hind tibia shorter than metatarsus and as long as about two third (0.63) or more (up to 0.86) of metatarsus; Hind tibia longer than first segment of metatarsus. First segment of metatarsus as long as about two third-three fourth (0.66-0.73) of hind tibia;

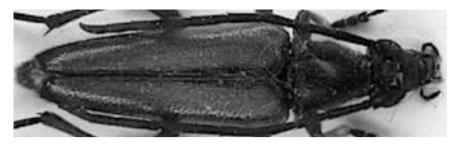
Punctuation of head, pronotum and elytra almost same each other: finely or deeply; moderately dense or dense; slightly contiguous or not contiguous;

Upperside and underside with yellowish or golden yellow pubescence; Pronotum without erect hairs.

Chorotype: Sibero-European [It is distributed in almost all Europe, European Russia, Caucasus (Armenia, Azerbaijan, Georgia), Turkey, Iran, Iraq, Siberia, Kazakhstan, China].







This group includes eight species-group taxa as Stenurella bifasciata bifasciata (O. F. Müller, 1776), Stenurella bifasciata intermedia Holzschuh, 2006, Stenurella bifasciata lanceolata (Mulsant & Rey, 1863), Stenurella bifasciata limbiventris (Reitter, 1898), Stenurella bifasciata nigrosuturalis (Reitter, 1895), Stenurella bifasciata safronovi Danilevsky, 2011, Stenurella ferruginipes (Pic, 1895) [=Stenurella solaris Rapuzzi & Sama, 2012] and Stenurella sabinae Rapuzzi & Sama, 2012 now. The above mentioned characters for the group, therefore, are obtained from them.

Species Stenurella bifasciata O. F. Müller, 1776: 93 (Leptura)
Subspecies Stenurella bifasciata bifasciata O. F. Müller, 1776: 93 (Leptura)
albarracina Wagner, 1927a: 45 (Leptura)
cruciata Olivier, 1795: 7 (Leptura)
immaculata Pic, 1889b: 55 (Strangalia)
nigriventris Pic, 1891b: 15 (Strangalia)
sedakovii Mannerheim, 1852b: 307 (Stenura)
ustulata Laicharting, 1784: 157 [HN] (Leptura)

Type loc.: Dania (Denmark)

Chorotype: Sibero-European [It is distributed in almost all Europe, European Russia, Caucasus (Armenia, Azerbaijan, Georgia), Turkey, Iran, Iraq, Siberia, Kazakhstan, China].

Subspecies Stenurella bifasciata intermedia Holzschuh, 2006: 219

Type loc.: Magnisia (Greece)

It was described by Holzschuh (2006) as a separate species. Danilevsky (2011) accepted it as a subspecies of the species.

Chorotype: SE-European [It is distributed only in south-eastern Europe (Balkans: Albania, Macedonia, Bulgaria, Greece)].

Subspecies Stenurella bifasciata lanceolata Mulsant & Rey, 1863: 177 (Strangalia)

Type loc.: L'Espagne (Spain)

It was described by Mulsant & Rey (1863) as a variety of *Strangalia bifasciata*. Danilevsky (2011) upgraded it as a subspecies of the species.

Chorotype: W-European [It is distributed only in western Europe (Spain, France)].

Subspecies Stenurella bifasciata limbiventris Reitter, 1898: 21 (Strangalia)

Type loc.: Caucasus

It was described by Reitter (1898) as a separate species Strangalia limbiventris.

Chorotype: SW-Asiatic (Anatolo-Caucasian) [It is distributed only in Caucasus (Georgia) and NE Turkey].

Subspecies Stenurella bifasciata nigrosuturalis Reitter, 1895: 88 (Strangalia)

Type loc.: Akbes (Turkey: Hatay: Akbez)

It was described by Reitter (1895) as a separate species Strangalia nigrosuturalis.

Chorotype: E-Mediterranean (Palestino-Taurian) [It is distributed only in Lebanon, Syria, S Turkey].

Subspecies Stenurella bifasciata safronovi Danilevsky, 2011: 2

Type loc.: Antalya and Isparta provinces (Turkey)

It is endemic to Turkey now.

Chorotype: Anatolian [It is distributed only in SW Anatolia].

Species Stenurella ferruginipes (Pic, 1895: 76) solaris Rapuzzi & Sama, 2012: 665 syn. nov.

Type loc.: Bitlis (E Turkey)

It is endemic to Turkey now. *Stenurella solaris* that was newly described by Rapuzzi & Sama (2012) also from Bitlis province in East Turkey, is only a color form of the species.

Chorotype: Anatolian [It is distributed only in E Anatolia].

Species Stenurella sabinae Rapuzzi & Sama, 2012: 664

Type loc.: Hakkari (SE Turkey); Kordestan (W Iran)

Chorotype: SW-Asiatic (Irano-Anatolian) [It is distributed only in SE Anatolia and W Iran].

Group III (septempunctata species-group)

Including Stenurella septempuctata septempunctata, Stenurella septempunctata latenigra, Stenurella vaucheri.

Description:

7-12.5 mm;

Head completely black or black except orange or brown-yellow mouth parts and vertex; Antennae completely black, reddish or orange, or orange or brown-yellow except darkened basal segments; In males, antennae extend to the elytral apex; In females, antennae as long as about three fourth or four fifth of elytra; In both sexes, 3rd the longest antennal segment, 5th and 4th follow it; 4th segment as long as about two third (0.66-0.67) - about three fourth (0.74-0.77) of 3rd segment; 4th segment as long as about nine tenth (0.88-0.94) of 5th segment; 5th segment as long as about three fourth (0.72-0.75) - four fifth (0.82-0.87) of 3rd segment; Posterior part of head (neck) with deeper transverse depression;

Pronotum completely black or almost completely orange; Pronotum as long as about three tenth (0.28-0.31) – about one third (0.34) of elytra;

Elytral coloration with or without sexual dimorphism; Elytra orange (brown-yellow) or yellow with variable black spots in both sexes, but with or without sutural black band; Elytral apex more or less obliquely truncate; Elytral width slightly more than half of elytral length (0.50-0.53);

Pygidium orange, brown-yellow or reddish;

Abdomen completely orange or brown-yellow except black last segment, or reddish except darkened laterally in males;

Legs not completely black; In both sexes, mostly orange or brown-yellow with black apex of hind femora and also top of hind tibiae and sometimes middle and hind tarsi darkened, or if legs black except all femora reddish in males, then legs completely reddish in females; First segment of metatarsus slightly shorter or slightly longer than the remaining segments together (0.97 or 1.07-1.08 times); First segment of metatarsus as long as 1.48-1.60 times of the 2-3rd segments together; Hind tibia shorter than metatarsus and as long as about three fifth (0.58-0.59) or more (up to 0.78) of metatarsus; Hind tibia slightly longer or longer than first segment of metatarsus. First segment of metatarsus as long as about three fourth (0.71) - four fifth (0.80) or about nine tenth (0.86-0.92) of hind tibia;

Punctuation of head, pronotum and elytra almost same each other: finely; dense or moderately dense; not contiguous;

Upper and underside with yellow pubescence; Pronotum without erect hairs.

Chorotype: W-Palaearctic [It distributed in Europe, Caucasus (Armenia, Georgia), European Russia, Turkey, North Africa (Morocco)].





This group includes three species-group taxa as *Stenurella septempuctata* septempunctata (Fabricius, 1792), *Stenurella septempunctata latenigra* (Pic, 1915) and *Stenurella vaucheri* (Bedel, 1900) now. The above mentioned characters for the group, therefore, are obtained from them.

Species Stenurella septempunctata Fabricius, 1792: 346 (Leptura) **Subspecies** Stenurella septempunctata septempunctata Fabricius, 1792: 346 (Leptura)

atrosuturalis Pic, 1915a: 38 (Leptura)
corcyrica Pic, 1915e: 5 (Strangalia)
dobiachi Pic, 1916b: 4 (Strangalia)
gasturica Pic, 1915a: 38 (Leptura)
holtzi Pic, 1916b: 5 (Strangalia)
montandoni Pic, 1915e: 5 (Strangalia)
notaticollis Pic, 1915e: 5 (Strangalia)
pallidicolor Pic, 1915e: 5 (Strangalia)
rubronotata Pic, 1916b: 5 (Strangalia)
semireducta Pic, 1915e: 5 (Strangalia)
suturata Reiche & Saulcy, 1858: 22 (Strangalia) ["Péloponése"]
velebitica Pic, 1916b: 4 (Strangalia)

Type loc.: Hungaria (Hungary)

It is the Western subspecies of Stenurella septempunctata.

Chorotype: European [It distributed in Europe (Central and South Europe (Germany and Italy) to Balkans and East Europe (up to Ukraine and European Russia)].

Species Stenurella septempunctata latenigra Pic, 1915: 5 (Strangalia) anatolica Heyrovský, 1961a: 45 (Strangalia) roberti Pic, 1915a: 38 (Leptura) ["Transsylvanie et Turquie"]

Type loc.: Asie Mineure (Turkey)

It is the Eastern subspecies of Stenurella septempunctata.

Chorotype: E-European [It distributed in Europe (Bulgaria, European Turkey, European Russia), Caucasus (Armenia, Georgia), Turkeyl.

Species Stenurella vaucheri Bedel, 1900: 336 (Leptura)

Type loc.: Maroc (Morocco)

It is endemic to Western Mediterranean area.

Chorotype: W-Mediterranean [It distributed only in W-Europe (Spain) and North Africa (Morocco)].

Subgen. nov. STENURELLOIDES

Type sp.: Leptura jaegeri Hummel, 1825: 68

Group IV (jaegeri species-group)

Including Stenurella jaegeri, Stenurella novercalis.

Description:

7-11.5 mm;

Head black except brown-yellow maxillae; Antennae completely black; In males, antennae extend to the elytral apex or slightly longer than elytral apex; In females, antennae as long as about four fifth of elytra; In both sexes, 3rd the longest antennal segment, 5th and 4th follow it; 4th segment as long as about three fourth (0.74-0.76) or four fifth (0.79-0.80) of 3rd segment; 4th segment as long as about nine tenth (0.87-0.91) of 5th segment; 5th segment as long as about four fifth (0.77)- nine tenth (0.87-0.94) of 3rd segment; Posterior part of head (neck) with deeper transverse depression;

Pronotum completely black; Pronotum as long as about one fourth (0.26-0.27)-three tenth (0.28-0.30) of elytra;

Elytral coloration with sexual dimorphism; In males, brown-yellow or reddish with black apex, the suture and side edges; In females, black with brown-yellow or reddish basal one third of elytra or sometimes almost basal half of elytra; Elytral apex rounded; Elytral width slightly more than half of elytral length (0.52-0.56);

Pygidium black;

Abdomen completely black;

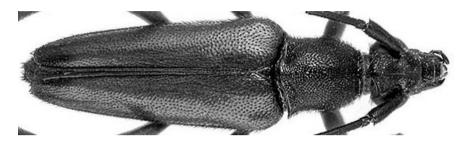
Legs not completely black; In both sexes, at least all femora brown-yellow or reddish; First segment of metatarsus slightly shorter or slightly longer than the remaining segments together (0.92 or 1.11 times); First segment of metatarsus as long as 1.33-1.59 times of the 2-3rd segments together; Hind tibia shorter than metatarsus and as long as about three fourth (0.70) or more (up to 0.90) of metatarsus; Hind tibia longer than first segment of metatarsus. First segment of metatarsus as long as about three fifth (0.56-0.61) or about two third (0.68) of hind tibia;

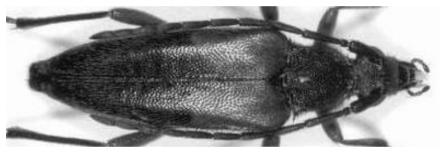
Punctuation of head, pronotum and elytra almost same each other: strongly; very dense; contiguous;

Upper and underside with grayish or black pubescence; Pronotum without erect hairs.

Chorotype: E-European [It distributed in Caucasus (Armenia, Azerbaijan, Georgia), Ukraine (Crimea), European Russia, Turkey, Iran].

Etymology: From the Latin suffix "oides" (meaning in English "like, resembling).





This subgenus includes two species as *Stenurella jaegeri* (Hummel, 1825) and *Stenurella novercalis* Reitter, 1901 now. The above mentioned characters for the subgenus, therefore, are obtained from them.

Species Stenurella jaegeri Hummel, 1825: 68 (Leptura)

fenestrata Reitter, 1901b: 79 (Strangalia) jekeli Pic, 1901u: 236 (Strangalia)

mingrelica Tournier, 1872: 344 (Strangalia)

oxyptera Faldermann, 1837: 318 (Stenura)

Type loc.: Rossia meridionali (Southern Russia)

Chorotype: E-European [It distributed in Caucasus (Armenia, Azerbaijan, Georgia), Ukraine (Crimea), European Russia, Turkey, Iran].

Species Stenurella novercalis Reitter, 1901: 78

Type loc.: Caucasus

Chorotype: E-European [It distributed in Caucasus (Georgia), European Russia, Turkey].

Subgen. nov. NIGROSTENURELLA

Type sp.: Leptura nigra Linnaeus, 1758: 358

Group V (nigra species-group)

Including Stenurella nigra.

Description:

5-9 mm;

Head black except yellowish maxillae; Antennae black in both sexes; In males, antennae slightly longer than elytral apex; In females, antennae as long as about four fifth of elytra; In both sexes, 3rd and 5th antennal segment as long as about the same length; 4th segment always shorter; 4th antennal segment as long as about four fifth (0.83-0.87) of 3rd or 5th segments; Posterior part of head (neck) with shallow transverse depression;

Pronotum completely black; Pronotum as long as about one third (0.31-0.35) of elytra;

Elytral coloration without sexual dimorphism; completely black; Elytral apex oblique truncate; Elytral width slightly more than half of elytral length (0.52);

Pygidium reddish with black apex;

Abdomen 4-5th sternites reddish except black apex of last segment in males; 1-5th sternites (abdomen completely) reddish except black apex of last segment in females;

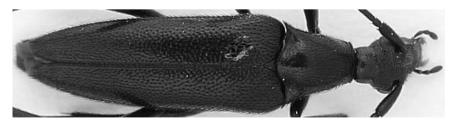
Legs completely black; First segment of metatarsus slightly longer than the remaining segments together (1.09 times); First segment of metatarsus as long as 1.52 times of the 2-3rd segments together; Hind tibia shorter than metatarsus and as long as two third (0.62-0.66) of metatarsus; Hind tibia longer than first segment of metatarsus. First segment of metatarsus as long as about three fourth (0.75)-about four fifth (0.81) of hind tibia;

Punctuation of head, pronotum and elytra almost same each other: finely; moderately dense; not contiguous;

Upperside and underside with grayish pubescence; Pronotum without erect hairs.

Chorotype: European [It distributed in almost all Europe, European Russia, Caucasus (Armenia, Azerbaijan, Georgia), Turkey, Iran].

Etymology: From the completely black upperside coloration.



This subgenus includes only one species as *Stenurella nigra* (Linnaeus, 1758) now. The above mentioned characters for the subgenus, therefore, are obtained from *Stenurella nigra*.

Species Stenurella nigra Linnaeus, 1758: 398 (Leptura)

giraudi Pic, 1946a: 14 (Strangalia) picea Geoffroy, 1785: 87 (Stenocorus) varicollis Schaefer, 1932: 31 (Stenura)

Type loc.: Europa (Europe)

Chorotype: European [It distributed in almost all Europe, European Russia, Caucasus (Armenia, Azerbaijan, Georgia), Turkey, Iran].

Subgen. nov. CRASSOSTENURELLA

Type sp.: Strangalia approximans Rosenhauer, 1856: 305

Group VI (approximans species-group)

Including only Stenurella approximans.

Description:

10-15 mm;

Head black; Antennae completely black; In males, antennae slightly longer than elytral apex; In females, antennae as long as about four fifth of elytra; In both sexes, 3rd the longest antennal segment, 5th and 4th follow it; 4th segment as long as about four fifth (0.77-0.84) of 3rd segment; 4th segment as long as about nine tenth (0.90-0.91) of 5th segment; 5th segment as long as about nine tenth (0.85-0.94) of 3rd segment; Posterior part of head (neck) with shallow transverse depression;

Pronotum completely black; Pronotum as long as three tenth (0.30) of elytra;

Elytral coloration with sexual dimorphism; In males, dark brownish-red sometimes with darkened elytral apex and the suture; In females, dark brownish-red (forma typica), and sometimes with a very large black sutural stripe that extends elytral base to apex and clothed the most part of elytra (ab. *edmundi* Pic); Elytral apex oblique truncated; Elytral width slightly more than half of elytral length (0.54-0.55);

Pygidium black;

Abdomen black;

Legs completely black; First segment of metatarsus slightly shorter than the remaining segments together (0.90); First segment of metatarsus as long as 1.5 times of the 2-3rd segments together; Hind tibia shorter than metatarsus and as long as three fourth (0.75) or more (up to 0.88) of metatarsus; Hind tibia longer than first segment of metatarsus. First segment of metatarsus as long as about three fifth (0.57) or two third (0.64-0.69) of hind tibia;

Punctuation of head, pronotum and elytra almost same each other: strongly; very dense; contiguous;

Upper and underside with grayish pubescence; Pronotum without erect hairs.

Chorotype: W-Mediterranean [It is distributed only in Western Mediterranean area (Portugal, Spain and Morocco)].

Etymology: From the Latin word "crassus" (meaning in English "big").



This subgenus includes only one species as *Stenurella approximans* (Rosenhauer, 1856) now. The above mentioned characters for the subgenus, therefore, are obtained from *Stenurella approximans*.

Species Stenurella approximans Rosenhauer, 1856: 305 (Strangalia)

purpuripennis Mulsant, 1863: 515 (Strangalia)

edmundi Pic, 1901u: 237 (Strangalia) Type loc.: bei Algericas (Spain: Cadiz)

It is endemic to Western Mediterranean area.

Chorotype: W-Mediterranean [It is distributed only in Western Mediterranean area (Portugal, Spain and Morocco)].

Subgen. nov. IBEROSTENURELLA

Type sp.: Strangalia hybridula Reitter, 1902: 188

Group VII (hubridula species-group)

Including only Stenurella hybridula.

Description:

9-12 mm;

Head black except yellowish maxillae; Antennae yellowish-brown with darkened basal segments; In males, antennae longer than elytral apex; In females, antennae as long as about four fifth of elytra; In both sexes, 3rd and 5th antennal segment as long as the same length; 4th segment always shorter; 4th antennal segment as long as about four fifth (0.80-0.83) of 3rd or 5th segments; Posterior part of head (neck) with shallow transverse depression;

Pronotum completely black; Pronotum as long as about three tenth (0.27-0.33) of elytra;

Elytral coloration without sexual dimorphism; Elytra yellowish-brown with suture and lateral margins black, apex darkened; Elytral apex more or less rounded; Elytral width slightly more than half of elytral length (0.52-0.56);

Pygidium black;

Abdomen black in males, red except black 1st tergite and apex of last tergite in females:

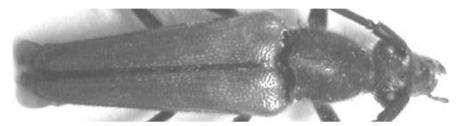
Legs predominantly black sometimes with partly more or less yellowishbrown tibiae; First segment of metatarsus longer than the remaining segments together (1.25 times); First segment of metatarsus as long as almost 2 times (1.93) of the 2-3rd segments together; Hind tibia shorter than metatarsus and as long as three fourth (0.75) or more (up to 0.88) of metatarsus; Hind tibia longer than first segment of metatarsus. First segment of metatarsus as long as about three fifth (0.57)-two third (0.67-0.70) of hind tibia;

Punctuation of head, pronotum and elytra almost same each other: finely; dense; not contiguous;

Upper and underside with yellowish pubescence; Pronotum with erect hairs.

Chorotype: Iberian endemic [It is distributed only in Iberian Peninsula (Portugal, Spain)].

Etymology: From the distribution area, Iberian Peninsula.



This subgenus includes only one species as *Stenurella hybridula* (Reitter, 1902) now. The above mentioned characters for the subgenus, therefore, are obtained from *Stenurella hybridula*.

Species Stenurella hybridula Reitter, 1902: 188 (Strangalia) atriventris Pic, 1905a: 8 (Leptura) [DA] atronotata Pic, 1918d: 5

Type loc.: Asturien: Albas (Spain); Sierra do Gerez (Portugal)

It is endemic to Iberian Peninsula.

Chorotype: Iberian endemic [It is distributed only in Iberian Peninsula (Portugal, Spain)].

A necessary explanation: Löbl & Smetana (2010) gave the species as follows:

hybridula Reitter, 1901h: 188 (Strangalia) E: PT SP atriventris Pic, 1905a: 8 (Leptura) [DA] atronotata Pic, 1918d: 5

And also they gave as the mentioned reference:

Reitter E. 1901h: Vierzehnter Beitrag zur Coleopteren-Fauna von Europa und den angrenzenden Ländern. Wiener Entomologische Zeitung 20: 200-202.

However, the publication does not include the description of *Strangalia hybridula*. The species was described by Reitter (1902). The reference that missing in the Catalog, is presented as follows:

Reitter E. 1902: Neue Coleopteren aus Europa und den angrenzenden Ländern. Deutsche Entomologische Zeitschriift 1901 [1901-1902]: 187-188.

So, Stenurella hybridula should be attributed to Reitter (1902: 188) as correct.

Consequently, the genus *Stenurella* Villiers, 1974 can be arranged in accordance with Löbl & Smetana (2010) as follows:

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genus Stenurella Villiers, 1974: 217 type species Leptura melanura
   Linnaeus, 1758
subgenus Crassostenurella Özdikmen, 2013: 526 type species Strangalia
   approximans Rosenhauer, 1856
approximans Rosenhauer, 1856: 305 (Strangalia) E: PT SP N: MO
   purpuripennis Mulsant, 1863: 515 (Strangalia)
   edmundi Pic, 1901u: 237 (Strangalia)
subgenus Iberostenurella Özdikmen, 2013: 527 type species Strangalia
   hubridula Reitter, 1902
hybridula Reitter, 1902e: 188 (Strangalia) E: PT SP
   atriventris Pic, 1905a: 8 (Leptura) [DA]
   atronotata Pic, 1918d: 5
subgenus Nigrostenurella Özdikmen, 2013: 525 type species Leptura nigra
   Linnaeus, 1758
nigra Linnaeus, 1758: 398 (Leptura) E: AB AL AR AU BE BH BU BY CR CT CZ
   DE EN FR GB GE GG GR HU IR IT LA LS LT LU MC MD NL NR NT PT RO
   SK SL SP ST SV SZ UK YU A: IN TR
   giraudi Pic, 1946a: 14 (Strangalia)
   picea Geoffroy, 1785: 87 (Stenocorus)
   varicollis Schaefer, 1932: 31 (Stenura)
subgenus Priscostenurella Özdikmen, 2013: 516 type species Leptura bifasciata
   O. F. Müller, 1776
bifasciata bifasciata O. F. Müller, 1776: 93 (Leptura) E: AB AL AR AU BE BH
   BU BY CR CT CZ EN FR GE GG GR HU IT LA LS LT LU MC MD NL NT PL PT
   RO SK SL SP ST SZ TR UK YU A: ES IN IQ KZ TR WS XIN
   albarracina Wagner, 1927a: 45 (Leptura)
   cruciata Olivier, 1795: 7 (Leptura)
   immaculata Pic, 1889b: 55 (Strangalia)
   nigriventris Pic, 1891b: 15 (Strangalia)
   sedakovii Mannerheim, 1852b: 307 (Stenura)
   ustulata Laicharting, 1784: 157 [HN] (Leptura)
bifasciata intermedia Holzschuh, 2006: 219 E: AL BU GR MC
bifasciata lanceolata Mulsant & Rey, 1863: 177 (Strangalia) E: FR SP
bifasciata limbiventris Reitter, 1898a: 21 (Strangalia) E: GG A: TR
bifasciata nigrosuturalis Reitter, 1895a: 88 (Strangalia) A: LE SY TR
bifasciata safronovi Danilevsky, 2011: 2 A: TR
ferruginipes (Pic, 1895: 76) A: TR
   solaris Rapuzzi & Sama, 2012: 665 syn. nov.
sabinae Rapuzzi & Sama, 2012: 664 A: IN TR
septempunctata septempunctata Fabricius, 1792b: 346 (Leptura) E: AL AU BH
   BU CR CZ GE GR HU IT MC MD PL RO SK SL ST SZ UK YU
   atrosuturalis Pic, 1915a: 38 (Leptura)
   corcyrica Pic, 1915e: 5 (Strangalia)
   dobiachi Pic, 1916b: 4 (Strangalia)
   gasturica Pic, 1915a: 38 (Leptura)
   holtzi Pic, 1916b: 5 (Strangalia)
   montandoni Pic, 1915e: 5 (Strangalia)
   notaticollis Pic, 1915e: 5 (Strangalia)
   pallidicolor Pic, 1915e: 5 (Strangalia)
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rubronotata Pic. 1916b: 5 (Strangalia)
   semireducta Pic, 1915e: 5 (Strangalia)
   suturata Reiche & Saulcy, 1858: 22 (Strangalia) ["Péloponése"]
   velebitica Pic, 1916b: 4 (Strangalia)
septempunctata lateniara Pic, 1915: 5 (Strangalia) E: AR BU GG A: TR
   anatolica Hevrovský, 1961a: 45 (Strangalia)
   roberti Pic. 1915a: 38 (Leptura) ["Transsylvanie et Turquie"]
vaucheri Bedel, 1900: 336 (Leptura) E: SP N: MO
subgenus Stenurella Villiers, 1974: 217 type species Leptura melanura
   Linnaeus, 1758
melanura Linnaeus, 1758: 397 (Leptura) E: AB AL AR AU BE BH BU BY CR CT
   CZ DE EN FI FR GB GE GG GR HU IR IT LA LS LT LU MC MD NL NT NR PL
   PT RO SK SL SP ST SV SZ YU UK MD A: ES FE JA KZ MG TR WS XIN
   diversiventris Dufour, 1843: 103 (Strangalia)
   georgiana Pic, 1891g: 63 (Strangalia)
   latesuturata Pic, 1891g: 63 (Strangalia)
   melanurella Reitter, 1901b: 78 (Strangalia)
   rubellata Reitter, 1901b: 77 (Strangalia)
   semicrassa Pic, 1901n: 58 (Leptura)
   similis Herbst, 1784: 101 (Leptura)
   suturanigra DeGeer, 1775: 138 (Leptura)
pamphyliae Rapuzzi & Sama, 2009: 182 A: TR
samai samai Rapuzzi, 1995: 617 E: BU GR TR A: TR
samai sennii Sama, 2002: 40 E: FR GR IT SZ
zehrae Özdikmen et al., 2012: 18 A: TR
subgenus Stenurelloides Özdikmen, 2013: 523 type species Leptura jaegeri
   Hummel, 1825
jaegeri Hummel, 1825: 68 (Leptura) E: AB AR GG ST UK A: TR
   fenestrata Reitter, 1901b: 79 (Strangalia)
   jekeli Pic, 1901u: 236 (Strangalia)
   mingrelica Tournier, 1872: 344 (Strangalia)
   oxyptera Faldermann, 1837: 318 (Stenura)
novercalis Reitter, 1901b: 78 E: GG ST A: TR
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Notes: The taxon, *Strangalia lindbergi* Villiers, 1943: 233, that sometimes is placed in the genus *Stenurella*, definitely belongs to the genus *Nustera* Villiers, 1974.

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