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Calomicrus atrocephalus (REITTER, 1895), a new synonym of
Calomicrus apicalis DEMAISON, 1891
(Coleoptera: Chrysomelidae: Galerucinae)

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ABSTRACT. According to the study of type materials, *Calomicrus atrocephalus* (REITTER, 1895) is considered a new synonym of *Calomicrus apicalis* DEMAISON, 1891. The lectotype is designated for *Calomicrus apicalis* DEMAISON, 1891. Literature and distributional data are summarized. Male and female genitalia are figured.

Key words: taxonomy, synonymy, Coleoptera, Chrysomelidae, Galerucinae, *Calomicrus*, Oriental Region.

The species of the genus *Calomicrus* STEPHENS, 1834 from Asia Minor, Near East and Caucasus are still insufficiently known. Due to the vicinity of other zoogeographical regions this unique region is omitted in most of recent monographs and keys, except for the book by WARCHALOWSKI (2003).

During the study of type materials of Galerucinae in various institutions I had the possibility to compare two syntypes of *Calomicrus apicalis* DEMAISON, 1891 (deposited in MNHN) and the holotype of *Luperus (Calomicrus) atrocephalus* REITTER, 1895 (deposited in HNHM). Both species were described from the same type locality: Syria, Akbes (now placed in Turkey, Hatay vil.). The comparison of type materials and additional specimens showed that they are identical and thus are synonymized here.

The following abbreviations identify the collections housing the examined material:

JBCB – Czech Republic, Brno, Jan BEZDĚK collection;
 FKCC – Czech Republic, České Budějovice, František KANTNER collection;
 HNHM – Hungarian Natural History Museum, Budapest, Hungary (Otto MERKL);
 MNHN – France, Paris, Muséum National d'Historie naturelle (Nicole BERTI).

When recording the label data of the type material examined, a double slash (//) divides the data on different labels and a single slash (/) divides the data in different rows. The exact label data are cited for the type specimens. The type localities are cited in the original spelling. Other comments and complementations by the author are found in square brackets: [p] – preceding data are printed; [h] – the same but handwritten; [w] – white label. The lectotype and paralectotype are designated in order to preserve stability of nomenclature in this group, according to the Article 74.7.3 of the Code (ICZN 1999).

Calomicrus apicalis DEMAISON, 1891

Calomicrus apicalis DEMAISON, 1891, Bull. Soc. Ent. Fr., 1891: 194 (type locality: Syrie, Akbès);
 WARCHALOWSKI, 2003: 353 (key).

Luperus (s. str.) *apicalis*: WEISE, 1924: 117.

Luperus apicalis: WILCOX, 1973: 617.

Luperus (Calomicrus) apicalis: GUILLEBEAU, 1891: 291 (key); WINKLER, 1930: 1309.

Luperus (Calomicrus) atrocephalus REITTER, 1895, Wiener Ent. Z. 14: 88 (type locality: Akbes);
 WEISE, 1924: 114; WINKLER, 1930: 1309. **syn. nov.**

Luperus atrocephalus: MEDVEDEV, 1970: 315; TOMOV, 1984: 378; ASLAN, WARCHALOWSKI & ÖZBEK,
 2000: 36.

Calomicrus atrocephalus: WEISE, 1898: 214; WILCOX, 1973: 514; WARCHALOWSKI, 1994: 247 (key);
 ASLAN, 1998: 292 (key), 293; ASLAN, WARCHALOWSKI & ÖZBEK, 2000: 29; GÖK & CILBİROGLU,
 2003: 66; WARCHALOWSKI, 2003: 353 (key); GÖK & DURAN, 2004: 20.

TYPE MATERIAL EXAMINED

Luperus apicalis

Lectotype (male), designated here, labelled: “Syrie / Delagrange [green label, h] // Type [w, h] // Muséum Paris / 1937 / Coll. Ch. Demaison [w, p] // TYPE [red label, p]” (MNHN); 1 paralectotype (female), labelled: “Syrie / Delagrange [green label, h] // Type [w, h] // TYPE [red label, p] // Muséum Paris / 1937 / Coll. Ch. Demaison [w, p]” (MNHN). The specimens are provided with one red printed label: „LECTOTYPUS [or PARALECTOTYPUS], *Calomicrus apicalis* Demaison, 1891, des. J. Bezděk 2005”.

Luperus (Calomicrus) atrocephalus

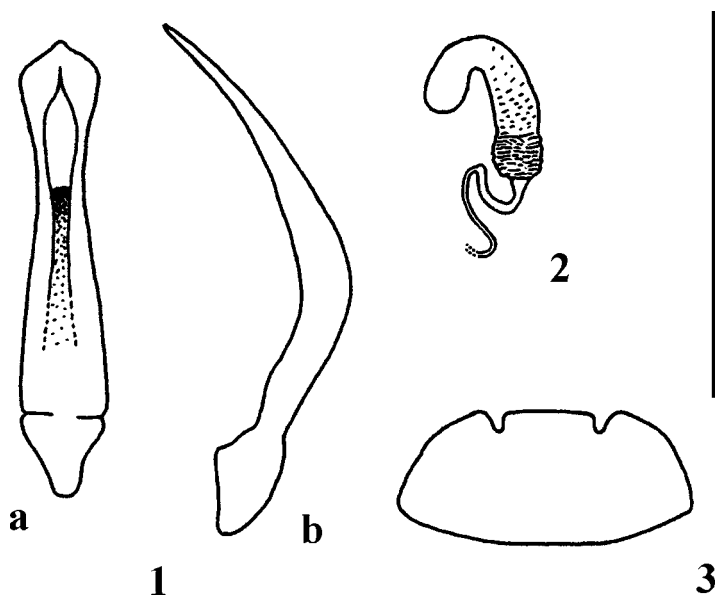
Holotype (female), labelled: “Syria / Akbes [w, h] // Holotypus [red letters, p] 1895 / Luperus / atrocephalus / Reitter [white label with red margins, h] // Luperus / atrocephalus / m. n. sp. Akbes [w, h] // Coll. Reitter [w, p]” (HNHM).

ADDITIONAL MATERIAL EXAMINED

SYRIA: Jabal al Ansariyah Mts., Qal at Burza, 70 km NW of Hama, 29.iv.2000, S. Benedikt leg. (0/1 in FKCC); Latakia distr., Nahr al Bared env., 300-600 m, 30.iv.2005, P. Kresl leg. (1/1 in JBCB); TURKEY: Icel vil., Uzuncaburc, 10.-11.v.1994, P. Průdek & J. Kovalovský leg. (2/0 in JBCB); Icel vil., Orta Toroslar, Atdagi, 800 m, 5.vi.2004, N. Rahmé, L. Nédai & K. Székely leg. (0/1 in HHNM); Icel vil., Camliyayla, 1600 m, 27.v.1989, A. Podlussány leg. (1/0 in HHNM); Icel vil., Camliyayla, 1000-1200 m, 8.-9.vi.1996, P. Zahradník leg. (1/12 in JBCB); Hatay vil., Teknepinar, 22.-23.iv.1994, P. Průdek & J. Kovalovský leg. (3/0 in JBCB); Pozanti, 20.-29.vi.1992, D. Hauck leg. (1/0 in JBCB); Namrun, 7.-13.vii.1992, D. Hauck leg. (0/1 in JBCB); Aslanli, v.1994, D. Hauck leg. (0/1 in JBCB); Adana, Findikli, 1200 m, 6.vi.1996, P. Zahradník leg. (0/3 in JBCB); Adana, Karatepe, 4.iv.1990, A. Podlussány leg. (2/1 in HHNM); Beskonak, 1.v.1991, T. Růžička leg. (0/2 in JBCB).

Aedeagus as in Fig. 1. Spermatheca as in Fig. 2.

Comments. In the original description of *Calomicrus apicalis*, DEMAISON (1891) mentioned a black spot placed medially in anterior half of pronotum. This character was adopted in the identification keys by subsequent authors (GUILLEBEAU, 1891; WARCHALOWSKI, 2003). The examination of the type specimens of *Calomicrus apicalis* clearly showed that the indistinct pronotal spot is nothing but a black vertex struck through the pronotum.



1-3. *Calomicrus apicalis*: 1 – aedeagus (a - dorsal view, b - lateral view), 2 – spermatheca, 3 – last ventrite in male. Scales: 1 mm for Figs 1 and 3; 0.5 mm for Fig. 2

Sexual dimorphism is more distinct than in other *Calomicrus* species. The males have robust femora and slightly enlarged first segment of protarsi. Legs in females are completely yellow while the basal two thirds of femora are black in males. Median lobe of last ventrite in the male is broad and the incisions limiting the median lobe are relatively short (Fig. 3).

Host plants. According to GÖK & CILBİROĞLU (2003) and GÖK & DURAN (2004), the host plants are *Cedrus libani*, *Pinus brutia*, *P. nigra* ssp. *pallasiana*, and *P. silvestris*.

Distribution. Turkey, Syria.

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