

## **Nomenclatural changes in Afrotropical and Neotropical *Cryptocephalus* Geoffroy, 1762** (Coleoptera: Chrysomelidae: Cryptocephalinae)

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**Abstract:** New primary junior homonyms were detected in Afrotropical and Neotropical *Cryptocephalus* Geoffroy, 1762. The following new substitute names are proposed: *Cryptocephalus angustotaeniatus* **nom. nov.** for *C. sheppardi* Bryant, 1944 **syn. nov.** (nec Jacoby, 1904); *C. bimetallofasciatus* **nom. nov.** for *C. burgeoni* Pic, 1930 **syn. nov.** (nec Pic, 1923); *C. quadrirufoguttatus* **nom. nov.** for *C. quadriguttatus* La Porte de Castelnau, 1840 **syn. nov.** (nec Richter, 1820); New secondary homonyms emerged in Afrotropical *Cryptocephalus*. The following new substitute names are proposed: *Cryptocephalus* (*Anteriscus*) *decim guttatus* **nom. nov.** for *Anteriscus decemmaculatus* Pic, 1930 **syn. nov.** (nec Linnaeus, 1758); *C. (Anteriscus) difasciatus* **nom. nov.** for *Anteriscus bifasciatus* Pic, 1939 **syn. nov.** (nec Fabricius, 1781); *C. (Anteriscus) fuscomaculatus* **nom. nov.** for *Anteriscus atromaculatus* Pic, 1923 **syn. nov.** (nec Jacoby, 1895); *C. (Anteriscus) jokoensis* **nom. nov.** for *Anteriscus clavareaui* Pic, 1930 **syn. nov.** (nec Reineck, 1915).

**Key words:** Cryptocephalini, taxonomy, homonym, synonym, substitute name, Afrotropical, Neotropical.

During the course of an update of the checklist for the world species of *Cryptocephalus* Geoffroy, 1762 (SCHÖLLER, 2002), additional primary junior homonyms in Afrotropical and Neotropical, and secondary homonyms were detected in Afrotropical species.

## Taxonomy

### Primary junior homonyms

#### *Cryptocephalus angustotaeniatatus* **nom. nov.**

*Cryptocephalus sheppardi* Bryant, 1944 (nec Jacoby, 1904: 242): 117 **syn. nov.**

The name *sheppardi* was already assigned in the genus *Cryptocephalus* by JACOBY for an afrotropical species. The *Cryptocephalus* described by BRYANT (1944) from Mozambique (Beira) has to be substituted.

Angustus (lat.) means narrow, taenia (lat., gr.) means band, the new name refers to the narrow, black bands on the elytra anteriorly and behind the middle.

#### *Cryptocephalus bimetallofasciatus* **nom. nov.**

*Cryptocephalus burgeoni* Pic, 1930: (nec Pic, 1923b: 513): 354 **syn. nov.**

The name of the variety *burgeoni* Pic, 1930: 354 of *Cryptocephalus adonis* Pic, 1922: 12 is available (article 45.6.4. ICZN, 1999). However, the name *burgeoni* was already assigned in the genus *Cryptocephalus* by PIC 1923b for a species from the Democratic Republic of the Congo. The *Cryptocephalus* described by PIC (1930), from the Democratic Republic of the Congo, too, has to be substituted.

Bi (lat.) means two, metallum (lat.) means metal, fascia (lat.) means band, the new name refers to the metallic bands at the base and behind the middle of the elytra.

#### *Cryptocephalus quadrirufoguttatus* **nom. nov.**

*Cryptocephalus quadriguttatus* La Porte de Castelnau, 1840 (nec Richter, 1820: 12): 513 **syn. nov.**

The name *quadriguttatus* was already assigned in the genus *Cryptocephalus* by RICHTER for a European species. The *Cryptocephalus* described by LA PORTE (1840) from Colombia has to be substituted.

Quadrus (lat.) means square-shaped, rufus (lat.) means red, and gutta (lat.) means drop, the new name refers to the red markings on the elytra.

Note: the name *Cryptocephalus quadriguttatus* La Porte de Castelnau, 1840 was overlooked by CLAVAREAU (1913) in his world catalogue.

## Secondary homonyms

*Anteriscus* Weise, 1906 was described as a subgenus of *Cryptocephalus* including 9 species from tropical Africa. WEISE (1909) transferred the subgenus to *Melixanthus* without giving reasons for this act. However, some statements from WEISE (1909) can be interpreted this taxonomic act was based on one character only, the dentate claws. Later, REINECK (1915) and PIC (1930, 1939) considered *Anteriscus* a proper genus and described several species. Currently *Anteriscus* is again treated as a subgenus of *Cryptocephalus* (SCHÖLLER, 2002), resulting in four secondary homonyms which are discussed below.

### ***Cryptocephalus (Anteriscus) decimguttatus* nom. nov.**

*decemmaculatus* Pic, 1930 (nec Linnaeus, 1758: 375): 353 **syn. nov.**

The name *decemmaculatus* was already assigned in the genus *Cryptocephalus* by LINNAEUS for a European species. The *Cryptocephalus* described by PIC (1930) in *Anteriscus* from the Democratic Republic of the Congo (Katanga, Kasenga) has to be substituted.

Decim- (lat.) means 10, the new name refers as the replaced name to the markings on the elytra.

### ***Cryptocephalus (Anteriscus) difasciatus* nom. nov.**

*bifasciatus* Pic, 1939 (nec Fabricius, 1781: 145): 102 **syn. nov.**

The name *bifasciatus* was already assigned in the genus *Cryptocephalus* by FABRICIUS for a species from Sierra Leone. The *Cryptocephalus* described by PIC (1939) in *Anteriscus* from Guinea (Kouroussa) has to be substituted.

Di (lat.) means two, fascia (lat.) means band, the new name refers to the two transverse dark bands on the reddish elytra.

### ***Cryptocephalus (Anteriscus) fuscomaculatus* nom. nov.**

*atromaculatus* Pic, 1923a (nec Jacoby, 1895: 176): 434 **syn. nov.**

The name *atromaculatus* was already assigned in the genus *Cryptocephalus* by JACOBY for a species from Sierra Leone. The *Cryptocephalus* described by PIC (1923a) in *Anteriscus* from Zimbabwe (Selunkve) has to be substituted.

Atro (lat.) means dark, the new name refers to the colours of the markings on the elytra.

***Cryptocephalus (Anteriscus) jokoensis* nom. nov.**

*clavareau* Pic, 1930 (nec Reineck, 1915: 407): 352 **syn. nov.**

The name *clavareau* was already assigned in the genus *Cryptocephalus* by REINECK for a species from the Democratic Republic of the Congo. The *Cryptocephalus* described by PIC (1930) in *Anteriscus* from Cameroon (Joko) has to be substituted.

The new name refers to the type locality, Joko.

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