

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) decimguttatus* **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 angustotaeniatus 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.

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

The name *clavareaui* 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.

Literature

- BRYANT, G. E. (1944): XV. – New species of African *Cryptocephalus* (Chrysomelidae, Cryptocephalinae, Col.). – The Annals and Magazine of Natural History (Ser. 11) **11**: 117-125.
- CLAVAREAU, H. 1913. Chrysomelidae: 8. *Cryptocephalinae*. – In: Junk, W. & Schenkling, S. (eds), Coleopterorum Catalogus 53. W. Junk, Berlin, 85-209.
- FABRICIUS, J. C. 1781. Species insectorum exhibens eorum differentias specificas, synonyma auctorum, loca natalia, metamorphosis, adiectis observationibus. Tome I. – Hamburgi et Kilonii: Carol Ernest Bohni, viii + 552 pp.
- ICZN (1999): International code of zoological nomenclature. Fourth Edition. – International Trust for Zoological Nomenclature, London, 306 pp.
- JACOBY, M. (1904): Another contribution to the knowledge of African phytophagous Coleoptera. – Proceedings of the Entomological Society of London **1904(1)**: 230-270.
- LA PORTE DE CASTELNAU, F. (1840): Histoire naturelle des insectes coléoptères. Tome deuxième. – Paris, Duménil, 563 pp.
- LINNAEUS, C. (1758): *Systema Naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymies, locis. Tomus I. Editio decima, reformata*. – Holmiae: Impensis Direct. Laurentii Salvii, iv + 824 +[1] pp.
- PIC, M. (1923a): Nouveaux Cryptocéphalides d'Afrique [Col.] (1^{re} partie.). – Bulletin du Muséum National d'Histoire Naturelle (Paris) **1923(6)**: 430-434.
- PIC, M. (1923b): Nouveaux Cryptocéphalides d'Afrique [Col.] (2^{de} partie.). – Bulletin du Muséum National d'Histoire Naturelle (Paris) **1923(6)**: 509-514.
- PIC, M. (1930): Cryptocéphalides africains en partie nouveaux. – Revue de Zoologie et Botanique Africaine **18(3/4)**: 344-357.
- PIC, M. (1939): Nouveaux coléoptères de l'Afrique occidentale. – Bulletin de la Société Entomologique de France **44**: 101-103.
- REINECK, G. (1915): Über die äthiopischen Vertreter der Gattungen *Cryptocephalus* und *Melixanthus* (*Anteriscus*) des Königl. Zoolog. Museums in Berlin und einiger anderer Museen und Sammlungen (Coleopt. Chrysomelidae). – Mitteilungen aus dem Zoologischen Museum in Berlin **7(3)**: 391-469.

- RICHTER, C. F. W. (1820): Supplementa faunae insectorum Europae. Teil 1. – Vratislaviae: Richter, 3 + 12 pp. + 12 pls.
- SCHÖLLER, M. (2002): Taxonomy of *Cryptocephalus* Geoffroy: what do we know? (Coleoptera: Chrysomelidae: Cryptocephalinae). – Mitteilungen internationaler entomologischer Verein 27: 59-76.
- WEISE, J. (1909): Chrysomelidae und Coccinellidae. – In: SJÖSTEDT Y. (ed.): Ergebnisse der schwedischen Expedition nach Kilimandjaro 7(12): 153-266.

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