

On the identity of
***Cryptophagus bipedes* Bruce, 1963**
(Coleoptera: Cryptophagidae)

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Abstract: The examination of both unidentified specimens and the types of *Cryptophagus bipedes* Bruce, 1963 and *C. schuberti* Bruce, 1963 showed that only *C. schuberti* is a junior synonym of *C. dilatipennis* Reitter, 1888. Consequently *C. bipedes* is considered a proper species.

Zusammenfassung: Die Untersuchung von unbestimmten Tieren und der Typen von *Cryptophagus bipedes* Bruce, 1963 und *C. schuberti* Bruce, 1963 erbrachte, dass nur *C. schuberti* ein Synonym von *Cryptophagus dilatipennis* Reitter, 1888 ist. *C. bipedes* wird deshalb wieder als gute Art angesehen.

Key words: Coleoptera, Cryptophagidae, Cryptophaginae, revalidated species, Turkey, *Cryptophagus*.

Introduction

Among numerous specimens from Turkey I studied in the past, I found two forms of *Cryptophagus dilatipennis* Reitter, 1888. I compared them with the holotypes of *C. dilatipennis* Reitter, 1888, *C. bipedes* Bruce, 1963 and *C. schuberti* Bruce, 1963, and recognised that *C. bipedes* is a valid species which is separated from *C. dilatipennis* by a few characters in the male genitalia, and the shape of the pronotum and elytra, respectively.

BRUCE (1963) described three *Cryptophagus* species from Anatolia (Turkey). Later, JOHNSON (2007) synonymised *C. bipedes* and *C. schuberti* with the Caucasian *C. dilatipennis*.

Abbreviations

NHMUS	- Natural History Museum Budapest, Hungary
NHMW	- Natural History Museum Vienna, Austria
SMNS	- Staatliches Museum für Naturkunde Stuttgart, Germany
ZMB	- Zoological Museum Berlin, Germany
ZMLU	- Zoological Museum Lund, Sweden
cEs	- private collection Jens ESSER, Berlin, Germany
cPü	- private collection Andreas PÜTZ, Eisenhüttenstadt, Germany

Taxonomy

Cryptophagus dilatipennis Reitter, 1888

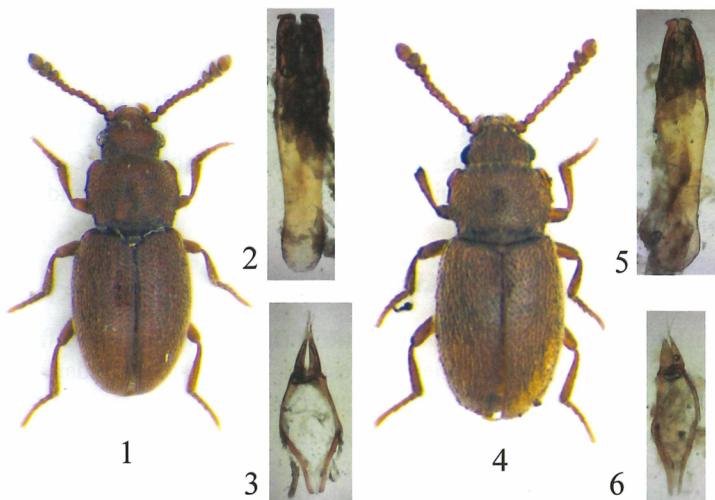
Specimens examined: Holotype (♂) and three paratypes (unknown sex) from Caucasus, leg. LEDER [NHMUS]; one specimen (no type, but donated by REITTER) from West Caucasus, leg. LEDER, REITTER [NHMW]; 1 ♂, 1 ♀ from Teberda (Russia, West-Caucasus) [cEs]; 2 ♂, 1 ♀ from Ilyich (Russia, West-Caucasus) [cEs & cPü]; 1 ♂ from Guamka (Russia, West-Caucasus) [cPü]; 3 ♂, 1 ♀ from Otdalenny (Otdalonnii) (Russia, West-Caucasus) [cEs & cPü]; 1 ♂ from Manglisi (Georgia, Algeti Nat. Park) [cEs]; 1 ♂ from Rize (Turkey) [cPü]. Furthermore the typical specimens of *C. schuberti* Bruce, 1963 (see below).

Cryptophagus bipedes Bruce, 1963

Specimens examined: Holotype (♂) and three paratypes (♂) from Cangal dagh (Turkey, province of Kastamonu), leg. SCHUBERT [NHMW] (see BRUCE, 1963); two paratypes [ZMLU]; 27 specimens from the same locality like the types [NHMW]; 1 ♂ from Ilgazdagi-Geç (Turkey, province of Kastamonu), leg. RIEDEL [SMNS]; 1 ♂ from Tosya (Turkey, province of Kastamonu), leg. WUNDERLE [ZMB]; 2 ♂ and 1 ♀ from Bolu (North Anatolia, province of Bolu), leg. BRACHAT & MEYBOHM [cEs]; 6 ♂, 1 ♀ from Gümüşhane [cEs & cPü].

Cryptophagus schuberti Bruce, 1963

Specimens examined: Holotype (♂) from Borcka (Turkey, province of Artvin), leg. SCHUBERT [NHMW] (see BRUCE, 1963) and one paratype with the same data [ZMLU]. The holotype is identical with the types and recent specimens of *C. dilatipennis* Reitter, 1888: *C. schuberti* Bruce, 1963 = *C. dilatipennis* Reitter, 1888.



Figs 1–6: *Cryptophagus* spp. 1–3 *C. dilatipennis* Reitter, 1888, (1) habitus male (2) medianlobus (3) parameres, 4–6 *C. bipedes* Bruce, 1963 stat. rev. (4) habitus male (5) medianlobus (6) parameres.

Catalogue

***Cryptophagus bipedes* Bruce, 1963 stat. rev.**

***Cryptophagus dilatipennis* Reitter, 1888**

Cryptophagus delicatulus Roubal, 1913

- junior synonym

Cryptophagus schuberti Bruce, 1963

- junior synonym

Key

1. Elytra more rounded (Fig. 1), tip of the medianlobus and parameres like in Figs 2–3 *Cryptophagus dilatipennis* Reitter, 1888
- Elytra more elongated (Fig. 4), tip of the medianlobus and parameres like in Figs 5–6 *Cryptophagus bipedes* Bruce, 1963

Distribution

Currently *Cryptophagus bipedes* is known only from the Northwest of Turkey (provinces Bolu and Kastamonu). *Cryptophagus dilatipennis* is recorded from the Northeast of Turkey (JOHNSON et al. 2007, type series of *C. schuberti*), but considering the confusion with *C. bipedes* it is not possible to say something about the distribution in Turkey. Furthermore *C. dilatipennis* is recorded from the Russian Southern Territory, Armenia and Georgia (JOHNSON et al. 2007, cEs).

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