

## New records, synonyms and nomenclatorial changes in the tribe Staphylinini (Insecta: Coleoptera: Staphylinidae)

H. Schillhammer\*

### Abstract

New records, new synonyms and some nomenclatorial changes are presented for various, mainly Asian, representatives of the tribe Staphylinini (Coleoptera: Staphylinidae). New records: *Philonthus aeger* EPPELSHEIM, 1895 (Vietnam); *P. cyanelytrius* KRAATZ, 1859 (Vietnam); *P. lan* SCHILLHAMMER, 2000 (China: Hubei); *Rhynchocheilus monstrosipes* (SCHILLHAMMER, 2002) (China: Hainan); *Stevensia longipennis* CAMERON, 1932 (Nepal). New synonyms: *Gabrius dieckmanni* SMETANA, 1957 (= *G. mandli* SCHILLHAMMER, 1992), *Jurececia asphaltina* (ERICHSON, 1840) (= *Jurececia rufipes* COIFFAIT, 1969); *Philonthus aeneipennis* BOHEMAN, 1858 (= *P. erythropus* KRAATZ, 1859); *Philonthus cliens* EPPELSHEIM, 1890 (= *P. aeneipennis* var. *lindemanni* SCHEERPELTZ, 1960); *Eucibdelus gracilis* KRAATZ, 1859 (= *E. rufipennis* COIFFAIT, 1982); *Creophilus maxillosus* LINNÉ, 1758 (= *C. sikkimensis* WENDELER, 1927). New combinations: *Hesperus chinensis* CAMERON, 1940 has been transferred to *Paederomimus* SHARP; *Eucibdelus cariniceps* SCHEERPELTZ, 1976 and *Rhynchocheilus monstrosipes* SCHILLHAMMER, 2002 to *Rhynchocheilus* SHARP. *Philonthus cliens* has been revalidated as a distinct species, and the known distribution of *Gabrius imitator* FAUVEL, 1895 has been confirmed.

**Key words:** Insecta, Coleoptera, Staphylinidae, Staphylininae, Staphylinini, Philonthina, Staphylinina, *Gabrius*, *Hesperus*, *Jurececia*, *Paederomimus*, *Philonthus*, *Eucibdelus*, *Rhynchocheilus*, *Stevensia*, *Creophilus*, new synonyms, new combinations, new records, systematics, taxonomy.

### Zusammenfassung

Neue Nachweise, neue Kombinationen und einige nomenklatorische Änderungen für verschiedene, vorwiegend asiatische Vertreter der Tribus Staphylinini (Coleoptera: Staphylinidae) werden präsentiert. Neue Nachweise: *Philonthus aeger* EPPELSHEIM, 1895 (Vietnam); *P. cyanelytrius* KRAATZ, 1859 (Vietnam); *P. lan* SCHILLHAMMER, 2000 (China: Hubei); *Rhynchocheilus monstrosipes* (SCHILLHAMMER, 2002) (China: Hainan); *Stevensia longipennis* CAMERON, 1932 (Nepal). Neue Synonyme: *Gabrius dieckmanni* SMETANA, 1957 (= *G. mandli* SCHILLHAMMER, 1992), *Jurececia asphaltina* (ERICHSON, 1840) (= *Jurececia rufipes* COIFFAIT, 1969); *Philonthus aeneipennis* BOHEMAN, 1858 (= *P. erythropus* KRAATZ, 1859); *Philonthus cliens* EPPELSHEIM, 1890 (= *P. aeneipennis* var. *lindemanni* SCHEERPELTZ, 1960); *Eucibdelus gracilis* KRAATZ, 1859 (= *E. rufipennis* COIFFAIT, 1982); *Creophilus maxillosus* LINNÉ, 1758 (= *C. sikkimensis* WENDELER, 1927). Neue Kombinationen: *Hesperus chinensis* CAMERON, 1940 wird zu *Paederomimus* SHARP gestellt; *Eucibdelus cariniceps* SCHEERPELTZ, 1976 und *Rhynchocheilus monstrosipes* SCHILLHAMMER, 2002 zu *Rhynchocheilus* SHARP. *Philonthus cliens* wird wieder in den Rang einer guten Art erhoben, und die bekannte Verbreitung von *Gabrius imitator* FAUVEL, 1895 wird bestätigt.

### Introduction

At regular intervals, it seems necessary to publish some new facts in Staphylinid taxonomy and nomenclature which are not covered by current revisions. The nomenclatorial

\* Dr. Harald SCHILLHAMMER, Naturhistorisches Museum, Internationales Forschungsinstitut für Insektenkunde, Burggring 7, A-1014 Wien, Austria – harald.schillhammer@nhm-wien.ac.at.

changes published herein mainly serve the purpose of making the data available for use in the forthcoming Palearctic catalog by I. Löbl and A. Smetana.

### Abbreviations and acknowledgement

|      |  |
|------|--|
| CKB  | coll. A. Kleeberg, Berlin  |
| CKE  | coll. S.M. Khnzorian, Erevan (M. Kalashian)  |
| DEI  | Deutsches Entomologisches Institut, Eberswalde (L. Zerche)                         |
| HUB  | Museum der Alexander-Humboldt-Universität, Berlin (M. Uhlig, J. Frisch)            |
| MHNP | Muséum national d'Histoire naturelle, Paris (N. Berti)                             |
| NMP  | Narodni Museum, Praha (J. Jelínek)   |
| NMW  | Naturhistorisches Museum, Wien   |
| NSMT | National Science Museum, Tokyo (M. Maruyama, S. Nomura)                            |
| SMF  | Senckenberg Museum, Frankfurt (D. Kovac)   |
| ZISP | Zoological Institut, Russian Academy of Sciences, St. Petersburg (A. Solodovnikov) |

Many individuals continuously contribute to the progress of my scientific work and the improvement of Staphylinidae systematics in general. I express my gratitude to those people but in particular to those mentioned above for making the material available which this paper is based on.

### Subtribe Philonthina

#### *Gabrius dieckmanni* SMETANA, 1957

*Gabrius mandli* SCHILLHAMMER, 1992: 62 **syn.n.**

When I described *G. mandli* I studied the single type specimen of *G. dieckmanni*. The subtle aedeagal differences I found were caused by the fact that this type specimen was slightly aberrant, something I recognized after studying a large series of *G. dieckmanni* which had been found at and in the closer surroundings of the type locality (see WILLERS 2001). In addition, the species was also found in the European part of Russia. The specimens from the East ("*G. mandli*") are slightly smaller but I have no doubt that they are conspecific with the European ones.

#### Additional material:

**Russia:** Samarskaya Oblast, Bolshe Chernigovskiy Distr., Umg. Polyakovo, 6./7.VIII.1997, leg. I. Goreslavets, 2 exs. (ZISP).

#### *Gabrius imitator* (FAUVEL, 1895)

In my *Gabrius* revision (SCHILLHAMMER 1997), I did not explicitly mention that all records of *G. imitator* from the Himalaya (mostly by authors such as Bernhauer & Schubert, Cameron and Coiffait) actually refer to other species (mainly *G. falsimitator* SCHILLHAMMER, 1997 and *G. capucinus* SCHILLHAMMER, 1997). The confirmed distribution range of *G. imitator* is restricted to a rather small area in Myanmar (Kayin State and Shan State) and the bordering area in northwestern Thailand.

***Jureckia asphaltina* (ERICHSON, 1840)***Philonthus asphaltinus* ERICHSON, 1840: 436*Jureckia paradoxa* RAMBOUSEK, 1920: 17*Jureckia rufipes* COIFFAIT, 1969: 39 **syn.n.**

During the last few years I was able to study a large material of *Jureckia*. According to COIFFAIT (1974) all these specimens should apply to *J. rufipes*. This fact raised strong doubt about the correctness of Coiffait's studies. Consequently, I asked for the types of *J. asphaltina* and its synonym (*J. paradoxa*) and the study revealed that they are identical with *J. rufipes*. However, the solution of the problem what caused Coiffait to make such a mistake was still pending. During a visit to Armenia I was able to study the collection of Yablokov-Khznorian, and the puzzle was solved: Coiffait misinterpreted *Philonthus piochardi* FAUVEL for *J. asphaltina*. My friend Alexey Solodovnikov checked the specimens in the Coiffait collection in MHNP and confirmed my conclusion. Indeed, *P. piochardi* shows a striking external similarity with *Jureckia* but lacks the generic character of the latter. In addition, both taxa seem to share similar habitats (subterraneous burrows). In fact, Coiffait must have known *J. asphaltina* because in CKE there is a correctly identified specimen from southern Armenia ("Megri Bereg rechki ASSR. 31.5.53 [in Russian]").

**Type material:** *Philonthus asphaltinus*: **Holotype** ♀: "Type \ 6038 \ n.2 6038 *Philonthus asphaltinus* Er. Germ. mer. \ Hist.-Coll. (Coloptera) Nr. 6038 *Philonthus asphaltinus* Erichs. German. merid., Dod. Zool. Mus. Berlin" (HUB).

*Jureckia paradoxa*: 6 **syntypes**: "Tockoe Ross. or. Gub. Samara Dr. Jurecek 1916" (5 NMP, 1 NMW).

*Jureckia rufipes*: **Holotype** ♂: "Kazakhstan, URSS, leg Skopin \ Atlozar region d' Akmolensk leg. Skopin \ Holotype \ *Jureckia rufipes* Coiff. H. Coiff. Det. 1968" (MHNP). - **Paratypes**: 2 ♀♀ (allotype, paratype) with same data as holotype (MHNP).

***Paederomimus chinensis* (CAMERON, 1940) comb.n.***Hesperus chinensis* CAMERON, 1940: 252

The unique holotype of this species bears (among others) one label indicating "China". The species definitely belongs to the genus *Paederomimus* SHARP and has most certainly been mislabeled because it seems highly unlikely that the genus *Paederomimus* occurs in China. During a visit to the NHML I compared it with many of the described species of *Paederomimus* but was not successful in finding out whether it has already been described in this genus or not.

***Philonthus aeger* EPPELSHEIM, 1895****Additional material:**

**Vietnam:** Fan Si Pan Mt., 2000 m, 25.V.1963, leg. O. Kabakov, 1 ♂, 1 ♀ (CKP).

This first record from Vietnam somehow supports the assumption that the single female from China (SCHILLHAMMER, 2000: 141), also belongs to *P. aeger*.

***Philonthus aeneipennis* BOHEMAN, 1858***Philonthus erythropus* KRAATZ, 1859: 88 **syn.n.***Philonthus kuluensis* SCHUBERT, 1908: 617*Philonthus punctatissimus* SCHUBERT, 1908: 619

**Type material:** *Philonthus aeneipennis*: 2 **syntypes** (RMS): 1 ♀: "China Kinb. Type. \ aeneipennis Bhn. [folded] \ Typus [red label] \ 4766 E91 + [blue label]" [plus several labels indicating loan records and a determination label by Gusarov]; 1 ♀: "China \ Kinb. \ 4768 E91 +"

*Philonthus erythropus*: I have studied the types of *P. erythropus* on an earlier occasion but the file with the label data was accidentally deleted.

The status of this species has been doubtful for a long time and has been published by various authors with constantly changing synonymy lists (occasionally also including *P. cliens*, *P. lewisius* and *P. tricoloris*). Especially Coiffait nearly always neglected the name *P. aeneipennis* and used *P. erythropus* instead. GRIDELLI (1936) had published a study on this species group with correct conclusions but it seems that every subsequent author ignored this paper.

***Philonthus cliens* EPELSHEIM, 1890 stat.n.***Philonthus cliens* EPELSHEIM, 1890: 277*Philonthus aeneipennis* var. *lindemanni* SCHEERPELTZ, 1960: 5 **syn.n.**

**Type material:** *Philonthus cliens*: **Holotype** ♂: "cliens Kr. Nagpore India centr. Dr. Bomford. \ cliens Eppsh. spec. propr. det. Gridelli \ aeneipennis Boh. var. \ quisquiliarius v. inquinatus" (NMW).

*Philonthus aeneipennis* var. *lindemanni*: 2 **syntypes** ♂♀: "West Pakistan Rawalpindi Umg. \ 20 km O. 13.XII.55 Chr. Lindemann leg." (NMW).

*Philonthus cliens* EPELSHEIM has been treated as a synonym or variety of *P. aeneipennis* BOHEMAN till now. CAMERON (1932) listed the species as a variety, with *P. tricoloris* SCHUBERT as a synonym, this was a very obvious misinterpretation because the characters given by Cameron apply to *P. tricoloris* but not to *P. cliens*.

In fact, *P. cliens* does not even belong to the *aeneipennis* species group. TOTTENHAM (1962: 226) was the first to recognize this mistake and placed it in the *caffer* species group. Unfortunately, COIFFAIT (1982, 1982a, 1984) either overlooked or ignored Tottenham's conclusion and copied the systematic situation of the older papers. Thus, *P. cliens* again ended up as a synonym of *P. aeneipennis* in Lee Herman's catalog (HERMAN, 2001).

The species also occurs in the Afrotropical Region.

***Philonthus cyanelytrius* KRAATZ, 1859****Additional material:**

**N-Vietnam:** Prov. Lao Cai, Mt. Phang Si Pang, 2000 m, 15.V.2003, fungi, leg. S. Nomura, 1 ♂, 1 ♀ (NSMT, NMW).

This first record from Vietnam extends the species' known distribution range enormously. The aedeagus of the male specimen is slightly more slender than that of the Himalayan specimens, but this might be explained by variability.

***Philonthus lan* SCHILLHAMMER, 2000****Additional material:**

**China:** W-Hubei, Dashenongjia Mts., 31.5°N 110.3°E, 2100 – 2900 m, 10. – 14.VI.2002, leg. J. Turna, 1 ♀ (NMW).

The species was described from Yunnan and Sichuan. This is the first record for Hubei.

***Philonthus piochardi* FAUVEL, 1875**

*Jurececia asphaltina* sensu COIFFAIT 1974

For more information see above under *Jurececia asphaltina*.

**Subtribe Staphylinina*****Eucibdelus gracilis* KRAATZ, 1859**

*Eucibdelus gracilis* KRAATZ 1859: 71

*Eucibdelus rufipennis* COIFFAIT 1982: 73 **syn.n.**

**Type material:** *Eucibdelus gracilis*: There are 2 syntypes (♀ ♀) in DEI from "India borealis".

*Eucibdelus rufipennis*: **Holotype** ♀ (by monotypy): "Thakkhola zw. Lethe und Ghasa, 2450-2150 m, 9. Juli 1973 \ NEPAL-Expeditionen Jochen Martens \ Type \ Holotypus \ *Eucibdelus rufipennis* H. Coiffait 1979" (SMF).

The species displays a remarkable variability in elytral coloration, particularly of the integument. Many specimens tend to have a somewhat dark reddish to reddish-brown surface shining through the dense pubescence. The specimen of *E. rufipennis* is just such a reddish variant, otherwise it is absolutely identical with other specimens (including types) of *E. gracilis*.

***Rhynchocheilus cariniceps* (SCHEERPELTZ, 1976) comb.n.**

*Eucibdelus cariniceps* SCHEERPELTZ, 1976: 137

This species is a good example of how inconveniently the generic characters have been handled in this group during the time of Bernhauer, Cameron and Scheerpeltz, who separated *Eucibdelus* KRAATZ and *Rhynchocheilus* FAUVEL mainly by the proportions of the hind tarsal segments. Indeed, the species externally resembles larger *Eucibdelus* because of its slender appearance, but the shape of the labrum and the mandibular dentation are doubtless indications for its assignment to the genus *Rhynchocheilus* SHARP.

***Rhynchocheilus monstrosipes* (SCHILLHAMMER, 2001) comb.nov.**

*Rhynchocheilus monstrosipes* SCHILLHAMMER, 2001: 88

When I described the species I was not aware of the discrepancy between *Rhynchocheilus* FAUVEL and *Rhynchocheilus* SHARP which was recently pointed out by HAYASHI (1999).

This is the first record of the species for the island of Hainan.

**Material examined:**

**China:** Hainan, Wuzhi Shan, 2. – 19.VIII.2000, leg. J.Li; 1 ♂ (NMW).

***Stevensia longipennis* CAMERON, 1932**

The species was described from Sikkim. This is the first record for Nepal.

**Material examined:**

**Nepal:** "Ostnepal Umg. Shivalaya Ufer Kimti Khola 2.5.1993 leg. A. Kleeberg" 1 ♂ (CKB).

***Creophilus maxillosus* (LINNÉ, 1758)**

*Creophilus sikkimensis* WENDELER, 1927: 8 syn.n.

**Type material:** **Holotype** ♂: "♂ \ Sikkim \ Erworben von Alexander Heyne Berlin – Wilmersd. \ *Creophilus sikkimensis* n.sp. Wendeler det. \ Holotypus \ Zool. Mus. Berlin" (HUB).

The type specimen of *C. sikkimensis* appears dull black because it lacks most of the pubescence. It has been dissected (probably by Wendeler). The aedeagus does not differ from that of *C. maxillosus*.

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