

Nomenclatural Notes on Anthicidae and Pyrochroidae (Coleoptera). 4.

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Abstract: In the fourth work of the series, additional nomenclatural problems in Anthicidae are resolved, namely two new combinations, 3 new synonyms, two revised statuses, one new status, and one new name. New data on distributions of poorly known Palaearctic Anthicidae and Pyrochroidae species are given.

Key words: Coleoptera, Anthicidae, Pyrochroidae, *Pedilus*, nomenclature, new synonymy, new combinations, faunal information.

Introduction

This is the fourth publication in a series that aims to find solutions to the numerous nomenclatural problems within Anthicidae and Pyrochroidae (Telnov 2006, 2007b, 2010a). The main part of this publication is devoted to the material of Anthicidae inadequately or erroneously described by M. Pic and now housed in the Muséum National d'histoire naturelle, Paris.

Two new combinations, 3 new synonyms, 2 revised statuses and one new status, with also one new name in the Anthicidae (Anthicinae) are made. New faunal information is presented.

Methods

All label text is reproduced exactly, with no corrections or additions; labels (if more than one for the same specimen) are separated by slash. Author's comments are placed in square brackets []. Genera and species are arranged alphabetically.

Acronyms of the type material stores:

BMNH – The Natural History Museum (British Museum; Natural History), London (UK);
 HMNH – Hungarian Museum of Natural History, Budapest (Hungary);
 IRSN – Institut royal des Sciences naturelles de Belgique, Brussels (Belgium);
 MNHN – Muséum National d'histoire naturelle, Paris (France);
 MSNG – Museo Civico di Storia Naturale “Giacomo Doria”, Genova (Italy);

NHMW – Naturhistorisches Museum, Wien (Austria);
 NMW – National Museum Wales, Cardiff (UK);
 OUMNH – Oxford University Museum of Natural History (United Kingdom);
 DTC – Collection Dmitry Telnov, Rīga, Latvia.

Nomenclatural Part

1. New Combinations, New Synonymy, State Revisions

Acanthinus amplipennis (PIC) **comb. nov.**

Original placement: *Anthicus amplipennis* (SCHAUFUSS) [sic!] PIC, 1895: 107.

Based on original description and comparative non-type material from locus typicus. Heberdey (1938a: 256) noted, that this species does belong to “Gruppe IX nach MARSEUL” (now *Stricticollis* MARSEUL, 1879), but his decision was incorrect. This species cannot be arranged to any of species-groups established by Werner using the key presented by him (Werner 1970). In *A. amplipennis*, pronotum is without a postmedian transverse depression, mesosternum is not completely covering mesepisterna laterally and setae of mesosternum not expanded and not visible from above anterior to elytral humeri (in general similar to species-groups I to IV according of Werner). However, this species is quite distinctive by having elliptic head base, strongly punctured pronotum, presence of postbasal transverse impression on elytra and uniformly rufous colouration of the body to be treated as a single-species-group.

This species has not been recorded since original description. Two additional specimens

from type locality (“Braz.” / “Neu Freiburg”) are stored in OUMNH.

Anthicus ater ater (THUNBERG, 1787)

= *Anthicus simplex* MARSEUL, 1879: 156
syn. nov.

Based on study of the HOLOTYPUS of *Anthicus simplex* (MNHN). Specimens of *A. ater ater* from Siberia are often larger than European specimens, reaching a body length of 3,50-4,1 mm.

Anthicus inattenuatus PIC, 1911 **stat. rev.**

Original placement: *Anthicus inattenuatus* PIC, 1911: 61. Erroneously and without any comments transferred to *Cordicomus* PIC, 1894 (now *Clavicollis* MARSEUL, 1879) by Uhmann (1982: 136).

Based on the study of the SYNTYPE and determined specimens (coll. François Génier, Gatineau, Canada): BURKINA FASO: LOROUM Touffé, 300m 13°53'43"N 001°53'39"O 16.VII.2006, zone sahélienne steppe arborée, piège lumineux F. & S. Génier, 2006-40 (1 ex.); BURKINA FASO: LOROUM Touffé, 300m 13°53'43"N 001°53'39"O 17.VII.2006, zone sahélienne steppe arborée, piège lumineux F. & S. Génier, 2006-41 (1 ex.); BURKINA FASO: NAHOURI Forêt de Nazinga, Akwazena 275m 11°09'24"N 001°36'44"O 21.VII.2006, zone soudanienne savanne boisée, piège lumineux F. & S. Génier, 2006-53 (6 ex.); BURKINA FASO: NAHOURI Forêt de Nazinga, Naguio 270m 11°07'52"N 001°34'38"O 24.VII.2006, zone soudanienne savanne boisée, piège lumineux F. & S. Génier, 2006-62 (1 ex.); BURKINA FASO: NAHOURI Forêt de Nazinga, Boulieselo 310m 11°11'50"N 001°35'09"O 27.VII.2006, zone soudanienne savanne boisée, piège lumineux F. & S. Génier, 2006-82 (1 ex.); BURKINA FASO: SANGUIÉ Forêt de Sorobouli, 270m 11°47'44"N 002°53'25"O 28.VII.2006, zone soudanienne savanne boisée, piège lumineux F. & S. Génier, 2006-83 (1 ex.).

Clavicollis curticeps (PIC) **stat. rev.**

Original placement: *Anthicus curticeps* PIC, 1923: 18.

This species was originally described from “Tonkin”, now northern Vietnam. Pic

mentioned the similarity of this species to *Clavicollis sikkimensis* (PIC, 1907) (see also Telnov & Sakai 1999: 172).

When studying the “TYPE” of “*Anth. curticeps*” from “Env. Pekin, J. Duchaine” stored in MNHN, Telnov & Sakai (1999: 172) found this specimen to be conspecific with *Omonadus confucii confucii* (MARSEUL, 1877: 464). This has been consequently followed by Telnov (2003: 289) and Chandler et al. (2008: 444).

During further studies on the type material of Anthicidae described by M. Pic and stored in MNHN, I was able to find another single specimen labelled as *Anthicus “curticeps”*: Lac Tho Tonkin [handwritten] / *curticeps* n sp [handwritten] / Tonkinensis Krek (syn) [handwritten]. This specimen does not bear a type label, but (as is typical for Pic’s type specimens) has the combination of “n sp” on one of his labels, that indicates status of this specimen as a Syntypus or Holotypus by monotypy (exact number of type specimens was not mentioned in the original description). This specimen without doubt belongs to the genus *Clavicollis* MARSEUL, 1879. By body colouration, it is similar to *C. tonkinensis* (KREKICH-STRASSOLDO, 1928: 101), which I had the opportunity to study before - Syntypus ♂: Tonkin [printed, red underlined] Hoabinh. [printed] / Aug. 1918. R.V.de Salvaza. [printed] / Indo China. R.V.de Salvaza 1918-1 [printed] / T Y P E [printed, label red] / = *curticeps* Pic [handwritten] / *A. tonkinensis* Pie Kr. [handwritten, corrected by Krekich-Strassoldo] det.v.Krekich [printed] / *tonkinensis* Kr. [handwritten] / coll. Heberdey [printed]. This specimen of *Anthicus “curticeps”* is from northern Vietnam (“Tonkin” of M. Pic) and not from Beijing (“Pekin” of M. Pic), and belongs to *Clavicollis* and not to *Omonadus* MULSANT et REY, 1866. It also bears some important characters mentioned in the description of “*Anthicus curticeps*”, and is related to *Clavicollis* and not to *Omonadus confucii confucii* (“rufo-testaceus ...”, “thorace elongato, postice strangulate ...”, “elytris ... dense punctatis.”), that allows me to change the current status of “*Anthicus curticeps*” described in Pic (1907) to a valid species and place this species in the genus *Clavicollis* MARSEUL. This species is externally similar with *C. tonkinensis*

(KREKICH-STRASSOLDO) and both species are possible conspecific, but such a conclusion cannot be made without study of the male genitalia of both taxa. A second specimen of “*Anthicus curticeps*” (mentioned in Telnov & Sakai 1999) has probably never been published (in-litteris species), and was mislabelled by M. Pic.

Hypaspistes suturalis PIC, 1907, original placement: *Hypaspistes (Pristocyphus) suturalis* PIC, 1907: 64

= *Hypaspistes mateui* BONADONA, 1959 **syn. nov.**, original placement: *Hypaspistes Mateui* BONADONA, 1959: 122.

Based on study of the HOLOTYPUS of *Hypaspistes mateui* (MNHN) and identified specimens of *Hypaspistes suturalis* PIC.

H. suturalis PIC is widely distributed in arid and semiarid regions across northern and eastern Africa, and is also on the Arabian Peninsula It was has been also recorded by various authors from Eritrea (locus typicus), Burundi, DR Congo, Egypt, Kenya, Mauritania, Mozambique, Saudi Arabia, Sierra Leone, Sudan, Uganda, and Zambia.

Hypaspistes mateui was described from Mauritania (Tagant Plateau) on the basis of a single female specimen, that was probably aberrant and lacking the darkened elytral suture that is commonly found in this species. This species has never been recorded since its description.

I had the opportunity to study a series of *H. suturalis* PIC from NW Africa, with these data here recorded: SIERRA LEONE Njala 8-14 v 1932 E. Hargreaves Light trap (1 ex., BMNH); Coll.I.R.Sc.N.B. CONGO, Vitshumbi 0°40'56”S 29°23'12”E 14-VII-1953 u.v. Miss.KEA 3052 (1 ex., IRSN); Coll.R.Isc.N.B. RWANDA Tanganika lake [sic! this locality is in Burundi]. River Lubuy Light UV 26/VIII/1953 Mision KEA 5028 (1 ex., IRSN); MAURITANIE Atar I.N.R.A. 06-07.III.1967 Leg. Cocquempot C. / MUSEO GENOVA Dono G.Dellacasa IV.2008 (3 exx, MSNG); MAURITANIA Atar I.N.R.A. 29-30.VIII.1967 leg. C. Cocquempot / MUSEO GENOVA Dono Dellacasa (14 exx, MSNG); MAURITANIA Atar I.N.R.A., 26-27.VIII.1967 leg. C. Cocquempot (Dono J.-P.Lumaret) (51 ex, MSNG); MAURITANIE Atar INRA

12.X.1967 Leg. Cocquempot C. / MUSEO GENOVA Dono G.Dellacasa IV.2008 (2 exx, MSNG); MAURITANIA Atar I.N.R.A. 18-19.IX.1967 leg. C. Cocquempot (3 exx, MSNG); MAURITANIA Atar I.N.R.A., 21-22.IX.1967 leg. C. Cocquempot (Dono J.-P.Lumaret) (19 exx, MSNG); MAURITANIE Atar I.N.R.A. 27-28.IX.1967 Leg. Cocquempot C. / MUSEO GENOVA Dono G.Dellacasa IV.2008 (2 exx, MSNG); MAURITANIA Atar I.N.R.A. 28-29.VIII.1968 leg. C. Cocquempot (2 ex., MSNG).

Macrotoderus magnus (UHMANN, 1993) and *Macrotoderus magnus* (UHMANN, 1994)

Uhmman (1993: 378) described *Derarimus magnus* from Poring Hot Springs, Sabah, E Malaysia. This species has never been recorded since its original description.

Uhmman (1994: 214) described *Tomoderus magnus* from Genting Highlands, W Malaysia. Later, this species was recorded from Cameron Highlands of W Malaysia by Uhmman (1995: 402). Telnov (2006: 59) placed this species into *Macrotoderus* PIC, 1901 after study of the HOLOTYPUS (see Telnov 2006).

Telnov (2007: 4) placed *Derarimus* BONADONA, 1978 as a junior synonym of *Macrotoderus* PIC, 1901. As both of the above-mentioned species are valid, the new name *Macrotoderus gentingensis* TELNOV **nom. nov.** is herewith proposed for Uhmman’s (1994) second species. This new name is derived from the Genting Highlands of Peninsular Malaysia, the locus typicus of this species.

Tomoderus borneensis PIC, 1913a **stat. nov.**

Original placement: *Tomoderus Horvathi* v. nov. *borneensis* PIC, 1913a: 156.

Based on study of the ♀ HOLOTYPUS of *T. horvathi* PIC, NHMW: N. Guinea Biró 1899. [printed] / Sattelberg Huon-Golf. [printed] / Holotypus [printed, text red] 1902 Tomoderus Horvathi Pic [handwritten, label border red] / Tomoderus Horvathi Pic n sp [handwritten, by M.Pic] / Tomoderus Horvathi Pic [handwritten] det.M. Pic [printed] Typus ! [handwritten, text red]; PARATYPUS 1♀, NHMW: N. Guinea Biró 1899. [printed] / Sattelberg Huon-Golf. [printed] / Paratypus [printed, text red] 1902 Tomoderus Horvathi Pic [handwritten, label border red] /

Tomoderus Horvathi Pic [handwritten] det.M. Pic [printed] Typus ! [handwritten, text red].
 ♀ HOLOTYPUS of *T. borneensis* PIC, NHMW: **S.O. Borneo** Grabowsky. [printed] / T Y P E [printed, label red] / Horvathi v. borneensis Pic det. [handwritten] / s. borneensis Pic [handwritten].

Trichananca BLACKBURN, 1891

= *Criboanthicus* PIC, 1913b: 7 **syn. nov.**

Based on study of the PARATYPUS [NHMW] of *Criboanthicus frenchi* and identified specimens: *Criboanthicus Franchi* [sic!] Pic det. [handwritten] / Austral. ? [handwritten] / coll. Heberdey [printed] [this specimen does not have any type label]; 8 specimens [HMNH & DTC]: AUSTRALIA, W Lavers Hill Otway Rge. Victoria, 10.III.1979. / coll. Austr. Mus. aTTM, No.1585.

Pic described the new Australian genus *Criboanthicus* based on a single species, indicating that it was related to *Walesius* PIC, 1896 (junior synonym of *Anthicomorphus* LEWIS, 1895) (see Telnov 2009: 380). *Criboanthicus frenchi* PIC, 1913b (Fig. 1) is the type species of this genus by monotypy.

In the original description, Pic ignored some important characters: pronotum with a very thin apical rim and without a transverse antebasal sulcus, head with a short vertex abruptly constricted to a broad neck. These characters are typical of Lemodinae. Other characters like mesosternum that medially meets the metasternum and distinctly separating the mesocoxae, presence of a vague (!) longitudinal impression on the pronotal disc, and presence of rough serial punctures on the elytra are identical to those of *Trichananca* BLACKBURN.

Consequently, the following new combination is proposed: ***Trichananca frenchi* (PIC) comb. nov.**

The genus *Trichananca* has never been taxonomically revised (species key given by Uhmman (2007) is based on external morphology characters only, is incomplete and hitherto useless). The genus *Criboanthicus* has not been recorded since original description. This genus was omitted by Uhmman (2007) in his review of Australian Anthicidae.

Faunal Part

1. Corrections and New Data on Distribution of Anthicidae and Pedilinae (Pyrochroidae)

***Anthicomorphus tonkineus* PIC, 1940b**

2 specimens [DTC]: Vietnam – N, 55 km NNW Hanoi, Tam Dao vill. env., 14.-15.VIII.1998, h=800-900m, leg. A.Napolov.

***Anthicus maderi* HEBERDEY, 1938b**

1 specimen [DTC]: THAILAND, 7. - 12. 5. MAE HONG SON prv. SOPPONG, 1500m 19°27'N; 98°20'E lgt. S.Becvar, 1996.

This record adds Thailand to the distribution of this species, previously only known from Yunnan (S China).

***Anthicus testaceonitidus* PIC, 1914**

2 specimens [DTC]: THAILAND, 7. - 12. 5. MAE HONG SON prv. SOPPONG, 1500m 19°27'N; 98°20'E lgt. S.Becvar, 1996.

This record adds Thailand to the distribution of this species, which was previously only known from Southern India (Nilgiri Hills).

***Anthicus vagesignatus* PIC, 1940a**

In the original description of this species, M. Pic mentioned "Caucasus" as the locus typicus. But the locality label of the HOLOTYPUS (MHNH) gives different locality data: [small purple square label with no text] / Osch [handwritten] / Anthicus [handwritten] / vagesinuatus [sic!] n sp [handwritten]. So the correct and hitherto the only known finding of this species is from Ferghana valley in Kyrgyzstan. Since it was described, this species has only been mentioned by Chandler et al. (2008: 429) from "Caucasus".

***Aulacoderus sefrensis* (PIC, 1894)**

3 specimens [HMNH]: MOROCCO, Anti-Atlas, 5 km from Anezal, / 1533 m, N 30°47'21.7: W 07°17'59.1" / 2009.VI.24. fényre leg.: Szalóki D.

This record adds Morocco to the distribution of this species, which was previously only known from Algeria, Egypt (including Sinai Peninsula), and Mauritania (Chandler et al. 2008: 430).

***Aulacoderus picheyrei* (PEYERIMHOFF, 1943)**

1 specimen [NMW]: SAUDI ARABIA: Aseer, Maraba. 1-17.vi.2003. Malaise trap. H.A.

Dawah.

This record adds Saudi Arabia to the distribution of this species (Chandler et al. 2008: 430).

Diacallina multiforis CHAMPION, 1916

1 specimen [DTC]: CAMEROUN XI.1968 G.Nonveiller / Dep. Sanaga Maritime Mdomi Lihoumbian.

This record adds Cameroon to the distribution of this species, which was previously only known from Sierra Leone in W Africa.

Endomia impressiceps (PIC, 1902)

Uhmann (1990: 893) mentioned this species from La Réunion, the Mascarene Islands. Telnov (2010b) omitted this record in his compilation of Anthicidae of the Mascarenes.

Leptaleus retrofasciatus MOTSCHULSKY, 1863

Telnov (2003: 294) reported this species from Nepal. This was consequently followed by Chandler et al. (2008: 437). After closer study of the mentioned specimens, a misidentification was confirmed. The Nepali record for *L. retrofasciatus* should be ignored and this species remains only known from Sri Lanka.

Mitraelabrus obscurus SOLIER, 1851

118 specimens [HMNH & DTC]: Hungarian Soil-Zool.Exp. CHILE: Prov. Coquimbo Los Vilos, 11.XI.1965 / Nr. P-B.111 leg.Mahunka.

Pedilus fuscus FISCHER VON WALDHEIM, 1822

15 specimens [HMNH & DTC]: China Turfan. This record adds NW China (Turfan Depression) to the distribution of this species (Pollock & Young 2008).



Figure 1. *Trichananca frenchi* (PIC, 1913b): ♀ Paratypus, dorsal view (photo: H.Schillhammer).

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