

A catalogue of the type specimens of beetles (Coleoptera) deposited in the Museum of East Bohemia, Hradec Králové. Part 2: Scarabaeidae: Cetoniinae (including Trichiini).

Katalog typových exemplářů brouků (Coleoptera) uložených v Muzeu východních Čech, Hradec Králové. Část 2: Scarabaeidae: Cetoniinae (včetně tribu Trichiini).

Petr Mückstein ¹⁾ & Bohuslav Mocek ²⁾

1) Nature Conservation Agency of the Czech Republic, PLA Administration Žďárské vrchy, Brněnská 39, CZ – 591 01, Žďár nad Sázavou, e-mail: muckstein@email.cz

2) Museum of East Bohemia Hradec Králové, Eliščíno nábřeží 465, CZ – 500 02 Hradec Králové, e-mail: b.mocek@muzeumhk.cz

Abstract: A detailed catalogue of all type specimens of the subfamily Cetoniinae, including tribe Trichiini (Coleoptera: Scarabaeidae), housed in the Museum of East Bohemia in Hradec Králové (Czech Republic) is given. This catalogue includes type material of 19 species, represent nine genera with two holotypes, six paratypes, one paralectotype and sixteen syntypes. All type material is depicted.

Key words: catalogue, type specimens, Museum of East Bohemia Hradec Králové, Coleoptera, Scarabaeidae, Cetoniinae, Trichiini

INTRODUCTION

In this article we present the catalogue of type material of scarab beetles (Coleoptera: Scarabaeidae), focused on subfamily Cetoniinae (including Trichiini), housed in the Museum of East Bohemia in Hradec Králové, Czech Republic (RMHK). The majority of the cetoniine type material deposited in the RMHK came from the large collection of Dr Zdeněk Tesař (1907–1985), well-known Czech specialist on Scarabaeidae. Most of the material of the subfamily Cetoniinae has been purchased from Dr Tesař in 1979, some of type specimens from his family after his death in 1988. Other parts of his collection are deposited in the Silesian Museum in Opava and in the National Museum in Prague (BEZDĚK & HÁJEK 2010, TESAŘ 1981). Part of the type specimens of Scarabaeoidea from the Tesař collection deposited in RMHK was already catalogued by KRÁL & MOCEK (1998), dealing with family Trogidae and family Scarabaeidae (Scarabaeinae, Coprinae, Aphodiinae). In addition to taxa described by Tesař himself, the collection holds type specimens of Cetoniinae taxa described by the following authors: G. J. Arrow, V. Balthasar, A. Bourgoin, M. Curti, K. M. Heller, K. Jordan, G. Lewis, R. Mikšić, E. Reitter, H. Sawada, and H. Schein.

MATERIAL AND METHODS

The systematic part of this catalogue follows SCHOLTZ & GREBENNIKOV (2016), with subfamily Cetoniinae divided into two tribes (Cetoniini and Trichiini) with alphabetically arranged names of the genera and species. The structure of each entry is as follows:

- original combination of the taxon name.
- original combination and spelling of the taxon, with author, year of description and pagination.
- the name-bearing type, number of specimens (including their sex if known) and exact label data. Remarks in square

bracket: [hw] – preceding label data are handwritten, [p] – preceding label data are printed. Double slash ‘//’ indicates separate labels and single slash ‘/’ lines within each label, corresponding number according list of type specimens in the collection of RMHK.

- remarks on type condition.
- the current taxonomic status.
- note on taxonomical problem(s), if needed.

In accordance with the International Code of Zoological Nomenclature (ICZN 1999: Art. 1.3.4), all infrasubspecific entities are not regulated and listed separately.

All type specimens were pictured with a Canon 70D attached to the lens Canon EF 100 mm f/2,8 L Macro USM.

CATALOGUE

family Scarabaeidae

subfamily Cetoniinae: Cetoniini

Atropinota funkei Heller, 1923

Atropinota funkei Heller, 1923: 78.

One paralectotype is deposited in RMHK (ex coll. Z. Tesař):

PARALECTOTYPE (unsexed specimen): ‘Szetschwan / Tatsienlu [now Kangding] / Exp. Stötzner [p] // *Atropinota / funki / Heller* sp. n. [hw] // SYNTYPUS [p] / *Atropinota [hw] / funkei [hw] / Heller [hw] / Teste: [hw] Dr. Tesař 1974 [p, red label] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 259 [p, white label]*’.

Current status. A junior subjective synonym of *Bietia rudicollis* Fairmaire, 1898, see JÁKL et al. (2010).

Note: Due to fact that lectotype of *B. rudicollis* Fairmaire, 1898 was designated by JÁKL et al. (2010), this type specimen goes into paralectotype status.



TYPUS No 259

Cetonia (Eucetonia) kolbei Curti, 1914

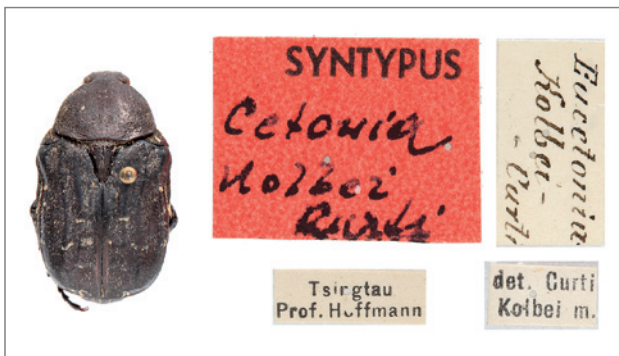
Cetonia (Eucetonia) Kolbei Curti, 1914: 125.

Two syntypes are deposited in RMHK (ex coll. Z. Tesář):

SYNTYPE (unsexed specimen): 'Tsingtau / Prof. Hoffmann [p] // det. Curti / Kolbei m. [p] // Eucetonia / kolbei / Curti [hw, white label] SYNTYPUS [P] / Cetonia / kolbei / CURTI [hw, red label] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 260 [p, white label]'.

SYNTYPE (unsexed specimen): 'Tsingtau / Prof. Hoffmann [p] // det. Curti / Kolbei m. [p] // Juni [p] // TYPUS [p, red label] // SYNTYPUS [p] / Cetonia / kolbei / Curti [hw, red label] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 261 [p, white label]'.

Current status. Valid species.



TYPUS No 260 / 261

Epicometis hirtiformis Reitter, 1913

Epicometis hirtiformis Reitter, 1913: 227.

One syntype is deposited in RMHK (ex coll. Z. Tesář):

SYNTYPE (unsexed specimen): 'Caucasus. / Armen. Geb. / Leder. Reitter [p] // coll. Reitter [p] // Paratypus [p] 1913 [hw] // Epicometis / hirtiformis Reitter [hw, white label, red margin] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 262 [p, white label]'.

Current status. *Tropinota (Epicometis) hirtiformis* (Reitter, 1913), see BARAUD (1984).



TYPUS No 262

Epicometis jakesi Balthasar, 1967

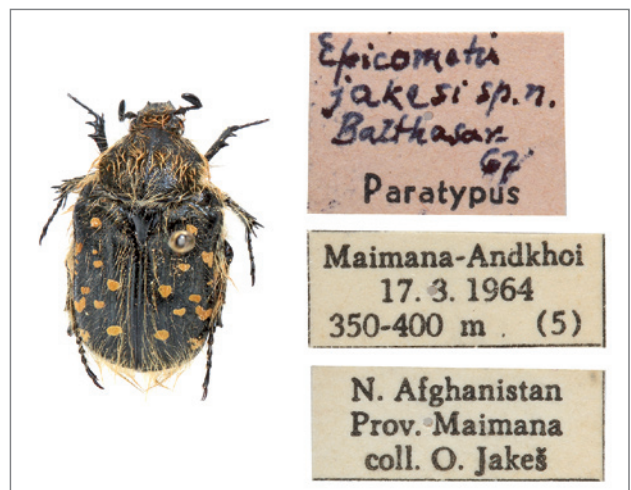
Epicometis jakesi Balthasar, 1967: 116.

Two paratypes are deposited in RMHK (ex coll. M. Rakovič):

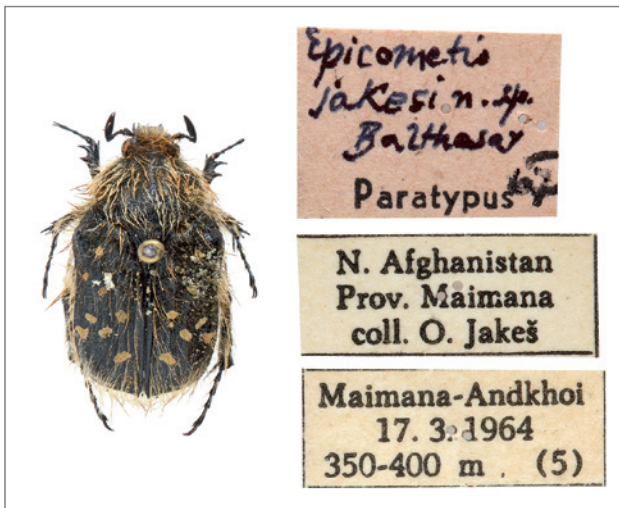
PARATYPE (unsexed specimen): 'Maimana – Andkhai / 17. 3. 1964 / 350 – 400m (5) [p] // N. Afghanistan / Prov. Maimana / coll. O. Jakeš [p] // Epicometis / jakesi n. sp. / Balthasar / 67 [hw] / Paratypus [p, white label] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 263 [p, white label]'.

PARATYPE (unsexed specimen): 'Maimana – Andkhai / 17. 3. 1964 / 350 – 400m (5) [p] // N. Afghanistan / Prov. Maimana / coll. O. Jakeš [p] // Epicometis / jakesi n. sp. / Balthasar / 67 [hw] / Paratypus [p, white label] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 264 [p, white label]'.

Current status. *Tropinota (Epicometis) spinifrons jakesi* (Balthasar, 1967), see KEITH (2006).



TYPUS No 263



TYPUS No 264

Epicometis suturalis Reitter, 1913

Epicometis suturalis Reitter, 1913: 225.

Two syntypes are deposited in RMHK (ex coll. Z. Tesař):

SYNTYPE (unsexed specimen): 'Syria / Haifa [p] // coll. Reitter [p] // Paratypus [p, red letters] 1913 / *Epicometis suturalis* / Reitter [hw, white label, red margin] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 265 [p, white label]'.

SYNTYPE (unsexed specimen): 'Syrien / Kaifa. / Reitter [p] // coll. Reitter [p] // Paratypus [p, red letters] 1913 / *Epicometis suturalis* / Reitter [hw, white label, red margin] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 266 [p, white label]'.

Current status. *Tropinota (Epicometis) hirta suturalis* (Reitter, 1913), see BARAUD (1984).



TYPUS No 265 / 266

Epicometis turanica Reitter, 1889

Epicometis turanica Reitter, 1889: 107.

One syntype is deposited in RMHK (ex coll. Z. Tesař):

SYNTYPE (unsexed specimen): 'Turkmenia / Askabad [p] // Transcaspien / Reitter [p] // Para- [hw] typus [p, red letters] /888 [hw] / *Epicometis turanica* / Reitter [hw, white label, red margin] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 267 [p, white label]'.

Current status. *Tropinota (Epicometis) turanica* (Reitter, 1889), see, e.g., MEDVEDEV 1964.



TYPUS No 267

Oxythyrea muelleri Schein, 1955

Oxythyrea muelleri Schein, 1955: 15.

One paratype is deposited in RMHK (ex coll. Z. Tesař):

PARATYPE (unsexed specimen): 'J. Klapperich / Bashgultal 1200 m / Nuristan 17. 5. 53 / Afghanistan [p] // Paratypus [p] / *Oxythyrea muelleri* n. sp. [hw] / H. Schein 1955 [p, red label] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 268 [p, white label]'.

Current status. A junior subjective synonym of *Oxythyrea groenbechi* Petrovitz, 1955, see, e.g., SABATINELLI (1984).



TYPUS No 268

Potosia cuprea ikonomovi Mikšić, 1958

Potosia cuprea ikonomovi Mikšić, 1958: 192.

One paratype is deposited in RMHK (ex coll. Z. Tesař):

PARATYPE (unsexed specimen): 'Cyprus / Larnaka / Glaszner [p] // *Potosia cuprea* F. / ssp. *cypricola* Mikš. / det. Mikšić [p] // PARATYPUS [p, red label] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 269 [p, white label]'.

Current status. *Protaetia (Potosia) ikonomovi* (Mikšić, 1958), see, e.g., RATAJ (1996), and SCHOOLMEESTERS (2017).

Remark. A specimen is labelled by original Mikšić's label as *Potosia cuprea cypricola*. However, Mikšić never published the taxon "cypricola", probably he decided to change the name for ssp. *ikonomovi*. The locality data corresponds to the original description (see MIKŠIĆ 1958).



TYPUS No 269

Poecilophilides eddai Tesař, 1959

Poecilophilides eddai Tesař, 1959: 6.

The holotype and one paratype (allotype) are deposited in RMHK (ex coll. Z. Tesař):

HOLOTYPE (♂): 'MUSIA – NEAR / TAITYU-FORMOSA / 14. VII. 1943 [p] // Holo-[hw] TYPUS [p] / Poecilophilides eddai ♂ n. sp. [hw] / Dr. Tesař det. [p, red label] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 270 [p, white label]'.

PARATYPE (♀): 'BANDAISHA – IN / TAITYU-FORMOSA / 10. VI. 1940 [p] // Allo-[hw] TYPUS [p] / Poecilophilides eddai ♀ n. sp. [hw] / Dr. Tesař det. [p, red label] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 271 [p, white label]'.

Type condition. The aedeagus of the male holotype is pinned separately.

Current status. *Anthracophora (Poecilophilides) eddai* (Tesař, 1959), see, e.g., YU et al. (1998).



TYPUS No 270



TYPUS No 271

subfamily Cetoniinae: Trichiini

Gnorimus viridis Jordan, 1894

Gnorimus viridis Jordan, 1894: 486.

Two syntypes are deposited in RMHK (ex coll. Z. Tesař):

SYNTYPE (♂): 'Naga Hills. [p] // Gnorimus viridis [hw] / Type! 50 Jordan [hw] // costipennis [hw] / Det. Tesař [p] Jans. [hw] // TYPUS [p, red label, black margin] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 272 [p, white label]'.

SYNTYPE (♂): 'Naga Hills. [hw] // Nov. Zool. 94. / pl. XIII. f. 3 [hw] // Gnorimus / viridis | 50 [hw] / Type! Jordan [hw] // Coll. Dr. Ed. Knirsch. [p] / Gnorimus [hw] / viridis Jord. [hw] / Determ. Dr. Knirsch. [p] // TYPUS [p, red label, black margin] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 273 [p, white label]'.

Type condition. The genitalia of the both syntypes are glued separately on label.

Current status. A junior subjective synonym of *Indognorimus costipennis* Janson, 1890, see KRIKKEN (2009).



TYPUS No 272



TYPUS No 273

Paratrichius nomurai Tesař, 1941

Paratrichius Nomurai Tesař, 1941a: 69.

The holotype is deposited in RMHK (ex coll. Z. Tesař):

HOLOTYPE (♂): ‘Musha 1940 V. / Formosa [hw] // Paratrichius / Nomurai n. sp. / Typ. [hw] Det. Tesař [p] // TYPUS [p, red label, black margin] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 274 [p, white label]’.

Type condition. The aedeagus of holotype is pinned separately; parts of fore tarsi are missing.

Current status. Valid species.



TYPUS No 274

Paratrichius pauliani Tesař, 1941

Paratrichius Pauliani Tesař, 1941b: 130.

One syntype is deposited in RMHK (ex coll. Z. Tesař):

SYNTYPE (♂): ‘MUSEUM PARIS / MOU-PIN / A. DAVID 1870 [p] // Paratrichius / Pauliani n. sp. / Typ. [hw] Det. Tesař [p] // TYPUS [p, red label] // 47 [hw, green letters] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 275 [p, white label]’.

Type condition. The aedeagus of syntype is pinned separately; parts of fore tarsi legs are missing.

Current status. Valid species.



TYPUS No 275

Paratrichius pouillaudei Bourgoin, 1920

Trichius Pouillaudei Bourgoin, 1920: 284.

One syntype is deposited in RMHK (ex coll. Z. Tesař):

SYNTYPE (♂): ‘Xieng Om / 14. V. 1920 / No. 3047 [hw] // Bourgoin Coll. / B.M. 1938-252. [p] // Trichius ♂ / Pouillaudei / Bourg. [hw] Type [hw, red letters] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 276 [p, white label]’.

Type condition. The aedeagus of the syntype is pinned separately.

Current status. *Paratrichius pouillaudei* (Bourgoin, 1920), see KRAJČÍK (2012).



TYPUS No 276

Paratrichius vittatus Sawada, 1939

Paratrichius vittatus Sawada, 1939: 44.

One paratype is deposited in RMHK (ex coll. Z. Tesař):

PARATYPE (♀): ‘Kayahara / Formosa / 20. VI. 1938 [hw] // PARATYPE [p] ♀ [hw] / Paratrichius vittatus [p] / (H. Sawada; 1939) [p, white label] // paratyp. [p, red label] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 277 [p, white label]’.

Current status. Valid species.

Note: In collection of Dr Tesař we found one male of *P. vittatus* marked with a red label as an additional paratype: PARATYPE (♂): ‘BANDAISHA – IN / TAITYU – FORMOSA [p] / 15. VII. 1943 [hw] / Coll. T. TAKAHATA [p] // Paratrichius / vittatus / Sawada ♂ [hw] // paratyp. [p, red label]’. This specimen cannot be considered a valid type material, because the year of collection and locality data

do not correspond to the original description (see SAWADA 1939). For this reason, the specimen was marked with a new label: ‘false type material // det. Mückstein, 2018’.



TYPUS No 277

Trichius klapperichi Tesař, 1942

Trichius Klapperichi Tesař, 1942: 216.

Two syntypes are deposited in RMHK (ex coll. Z. Tesař):

SYNTYPE (♂): ‘Batang. (Tibet). Im Tal / des Yangtze (ca. 2800) / 17. 7 1936. H. Höns. [p] // *Trichius* ♂ / *Klapperichi* n. sp. / Typ. [hw] / Det. Tesař [p] // TYPUS [p, red label, black frame] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 283 [p, white label]’.

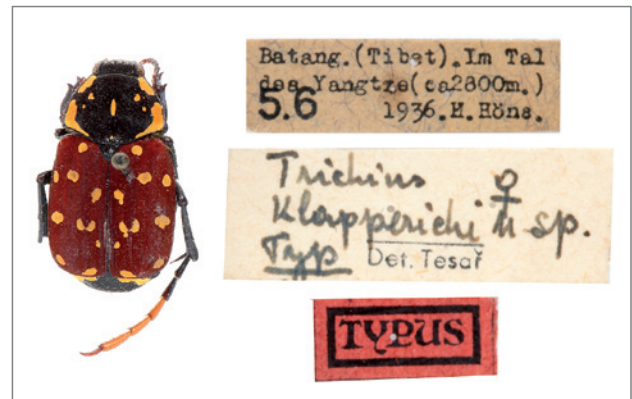
SYNTYPE (♀): ‘Batang. (Tibet). Im Tal / des Yangtze (ca. 2800) / 5. 6 1936. H. Höns. [p] // *Trichius* ♀ / *Klapperichi* n. sp. / Typ [hw] / Det. Tesař [p] // TYPUS [p, red label, black frame] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 284 [p, white label]’.

Type condition. The aedeagus of male syntype is dissected and glued separately on label. Penis mounted into microscopic slide and attached separately to the another pin with label ‘Klapperichi / Tesař [hw, blue letters]’.

Current status. *Tibiotrichius klapperichi* (Tesař, 1942), see MIYAKE (1994).



TYPUS No 283



TYPUS No 284

Trichius kuatunensis Tesař, 1952

Trichius kuatunensis, Tesař, 1952: 59.

One syntype is deposited in RMHK (ex coll. Z. Tesař):

SYNTYPE (♂): ‘Kuatun (2300m) 27, 40n. Br. / 117, 40ö. L. J. Klapperich / 25. 5. 1938 (Fukien) [p, pink label] // *Trichius* / *kuatunensis* / 1949 Typ. m. n. [hw] / Zd. Tesař det. [p] ♂ [hw] // TYPUS [p, red label, black frame] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 285 [p, white label]’.

Type condition. The aedeagus is pinned separately, dissected and glued in the glass tube with label ‘*Trichius* / *kuatunensis* Typus. Tesař [hw, white label]’. Penis mounted into microscopic slide and attached separately to the another pin with label ‘*Kuatunensis* / Tesař [hw, blue letters]’.

Current status. *Tibiotrichius kuatunensis* (Tesař, 1942), see MIYAKE (1994).



TYPUS No 285

Trichius malaisei Arrow, 1938

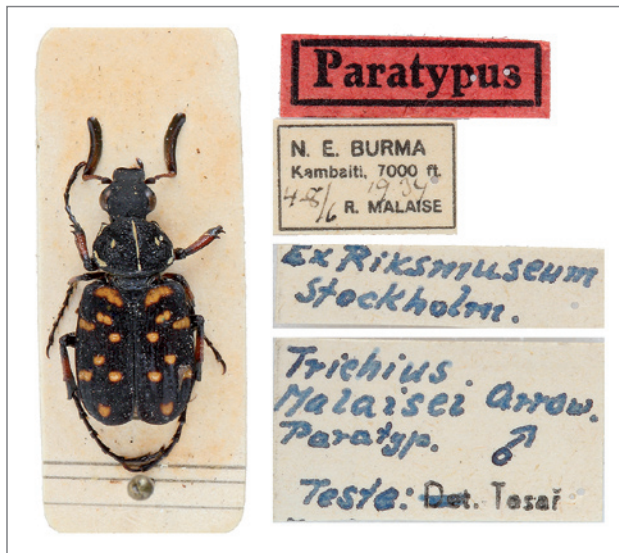
Trichius Malaisei Arrow, 1938: 4.

One syntype is deposited in RMHK (ex coll. Z. Tesař):

SYNTYPE (♂): ‘N. E. BURMA / Kambaiti 7000ft. [p] / 4. –8./6. 1934 [hw] / R. MALAISE [p] // Ex Riksmuseum / Stockholm [hw] // *Trichius* / *Malaisei* Arrow. / Paratyp. ♂ / Teste: [hw] Tesař [p] // PARATYPUS [p, red label, black margin] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 286 [p, white label]’.

Type condition. Fore right tarsus of the syntype is missing.

Current status. *Paratrachius malaisei* (Arrow, 1938), see KRAJČÍK (2012).



TYPUS No 286

Trichius rubrodecoratus Tesař, 1952

Trichius rubrodecoratus Tesař, 1952: 59.

One syntype is deposited in RMHK (ex coll. Z. Tesař):

SYNTYPE (♂): 'Sikkim [p] // *Trichius / rubrodecoratus* ♂ / 1949 n. sp. [hw] / Zd. Tesař det. [p] // TYPUS [p, red label, black frame] // 46 [hw, green letters] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 287 [p, white label]'.

Type condition. The aedeagus of the one male paratype is pinned separately.

Current status. *Paratrachius rubrodecoratus* (Tesař, 1952), see, e.g., KRAJČÍK (1999).



TYPUS No 287

Trichius viridiopacus Lewis, 1887

Trichius viridiopacus Lewis, 1887: 49.

One syntype is deposited in RMHK (ex coll. Z. Tesař):

SYNTYPE (♂): 'Chiusenji / 19. 8. 81 [hw] // Japan / G. Lewis / 1910 – 320. [p] // *T. viridiopacus* / Sub. Type Lewis [hw] // SYNTYPUS [p] / *Trichius / viridiopacus* / Teste: LEWIS [hw] / Dr. Tesař [p] / poslal G. J. ARROW [hw, red label] // MUSEUM HRADEC / KRÁLOVÉ / TYPUS / No 288 [p, white label]'.

Current status. *Gnorimus viridiopacus* (Lewis, 1887), see, e.g., BEZDĚK (2016).

Note: Status of this taxon is not fully resolved. Some authors (e.g., NIKOLAJEV 1990, SHABALIN & BEZBORODOV

2009) treated is as a valid species, while others downgraded it to subspecies or even to subjective junior synonym of *G. subopacus* Motschulsky, 1860 (e.g., KRAJČÍK 2012, TAUZIN 2004, FUJIOKA 2001). In this article we follow the status of *G. viridiopacus* as a valid species according to the last edition of the Catalogue of Palaearctic Coleoptera (BEZDĚK 2016).



TYPUS No 288

TYPE SPECIMENS OF INFRASUBSPECIFIC ENTITIES

Gnathocera nigrolineata f. *arrowi* Tesař, 1973 – 3 ♂♂

Gnathocera nigrolineata f. *šabackyi* Tesař, 1973 – 2 ♂♂, 1 ♀

Gnathocera nigrolineata f. *sobotkai* Tesař, 1973 – 3 ♂♂

Oxyctonia jucunda ab. *amurensis* Tesař, 1938 – 1 unsexed specimen

Oxyctonia jucunda ab. *obenbergeri* Tesař, 1938 – 2 unsexed specimens

Oxyctonia jucunda ab. *speciosa* Tesař, 1938 – 1 unsexed specimen

Trichius fasciatus ab. *fenicus* Tesař, 1935 – 1 ♂

Trichius fasciatus ab. *hieroglyphicus* Jeřátko, 1935 – 1 ♂

Trichius fasciatus ab. *jesatko*i Tesař, 1938 – 1 ♂

Trichius fasciatus ab. *krogerusi* Tesař, 1935 – 1 ♂, 1 ♀

Trichius fasciatus ab. *lojoensis* Tesař, 1935 – 1 ♂

Trichius fasciatus ab. *omissus* Tesař, 1935 – 3 ♂

Trichius fasciatus ab. *sekerai* Tesař, 1935 – 1 ♂

Trichius fasciatus ab. *sterbai* Tesař, 1935 – 1 ♂

Trichius fasciatus ab. *suecica* Tesař, 1935 – 1 ♂

Trichius fasciatus ab. *vseteckai* Tesař, 1935 – 2 ♂♂

Trichius fasciatus ab. *zeyeri* Tesař, 1938 – 2 ♀♀

Trichius orientalis ab. *fabichi* Tesař, 1935 – 1 ♂

Trichius orientalis ab. *roubali* Tesař, 1935 – 1 ♂

Trichius sexualis ab. *kodymi* Tesař, 1935 – 1 ♂

Trichius sexualis ab. *schwarzi* Tesař, 1935 – 1 ♂

Trichius zonatus ab. *taborskyi* Tesař, 1935 – 1 ♂

Trichius zonatus ab. *adornatus* Tesař, 1935 – 2 ♂♂, 1 ♀

Trichius zonatus ab. *bistrisignatus* Tesař, 1935 – 1 ♂

Trichius zonatus ab. *conjugatus* Tesař, 1935 – 1 ♂

Trichius zonatus ab. *gratiosulus* Tesař, 1935 – 2 ♂♂

Trichius zonatus ab. *heyrovskyi* Tesař, 1935 – 1 ♀

Trichius zonatus ab. *marani* Tesař, 1935 – 1 ♂

Trichius zonatus ab. *obenbergianus* Tesař, 1935 – 1 ♂

Trichius zonatus ab. *reductulus* Tesař, 1935 – 1 ♂

Trichius zonatus ab. *stepaneki* Tesař, 1935 – 2 ♂♂, 1 ♀

Trichius zonatus ab. *sustera*i Tesař, 1935 – 1 ♂, 1 ♀

ACKNOWLEDGEMENTS

We are grateful to Aleš Bezděk (České Budějovice, Czech Republic) and Jean-Philippe Legrand (Dammarié sur Loing, France) for their valuable comments on the manuscript.

Special thanks go to Paul Schoolmeesters (Herent, Belgium) for providing some hardly obtainable literature and to Ottó Merkl (Budapest, Hungary) for checking type material of E. Reitter's collection.

SOUHRN

Podrobný katalog všech typových exemplářů podčeledi Cetoniinae (Coleoptera: Scarabaeidae), včetně tribu Trichiini, které jsou deponované ve sbírce Muzea východních Čech v Hradci Králové (coll. RMHK). Většina materiálu pochází z původní sbírky Dr. Z. Tesaře (1907–1985) a byla získána v letech 1979 až 1988. Katalog zahrnuje typy 19 druhů, náležejících 9 rodům.

REFERENCES

- ARROW G. J. (1938): Entomological Results from the Swedish Expedition 1934 to Burma and British India. – *Arkiv för Zoologi*, Uppsala, 30B, 14: 1–4.
- BALTHASAR V. (1967): Beiträge zur Kenntnis der fauna Afghanistan. – *Acta Musei Moraviae*, Brno, 52: 109–146.
- BARAUD J. (1984): Tropinota (Epicometis) villiersi nouvelle espèce du Moyen-Orient (Coleoptera, Scarabaeoidea, Cetoniidae). – *Revue Française d'Entomologie*, Paris, *Nouvelle Serie* 6(2): 61–63.
- BEZDĚK A. (2016): Cetoniinae. In: LÖBL I. & LÖBL D. (eds): Catalogue of Palaearctic Coleoptera. Volume 3. Scarabaeoidea – Scirtoidea – Dascilloidea – Buprestoidea – Byrrhoidea. Revised and updated edition. Brill: Leiden, Boston, pp. 367–412.
- BEZDĚK A. & HÁJEK J. (2010): Catalogue of type specimens of beetles (Coleoptera) deposited in the National Museum, Prague, Czech Republic. Scarabaeidae: Cetoniinae (including Trichiini) and Valginae. – *Acta Entomologica Musei Nationalis Pragae*, Praha, 50: 629–655.
- BOURGOIN A. (1920): Communications. Quatre Cétonides nouveaux découverts par R. Vitalis de Salvaza au Laos. – *Bulletin de la Société Entomologique de France*, Paris, 1920: 283–285.
- CURTI M. (1914): Cetonia (Eucetonia) Kolbei nov. spec. – *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien*, Wien, 64: 125–126.
- FUJIOKA M. (2001): A list of Japanese Lamellicornia. – *Kogane*, suppl. 1: 1–293 (in Japanese).
- HELLER K.M. (1923): Die Coleopterenausbeute der Stötznerschen Sze-Tchwan-Expedition (1913–1915). – *Entomologische Blätter*, Berlin, 19(2): 61–79.
- ICZN (1999): International Code of Zoological Nomenclature. Fourth Edition. – International Trust for Zoological Nomenclature, London, 306 pp.
- JÁKL S., KRÁL D. & KUBÁŇ V. (2010): A review of the genus Bietia with a description of a new species from Yunnan, China. – *Acta Entomologica Musei Nationalis Pragae*, Praha, 50 (2): 517–528.
- JEŠÁTKO K. (1935): Nové formy podkarpatoruských brouků. – *Acta Societatis Entomologicae Cechosloveniae*, Praha, 32: 154–155.
- JORDAN K. (1894): On some new genera and species of Coleoptera in the Tring Museum. – *Novitates Zoologicae*, London, 1: 484–503.
- KEITH D. (2006): Qu'est-ce que Tropinota (Epicometis) jakesi Balthasar, 1967 (Coleoptera, Scarabaeoidea, Cetoniidae)? – *Animma.x*, Plzeň, 14: 17–18.
- KRÁL D. & MOCEK B. (1998): A catalogue of the type-specimens of the Zdeněk Tesař collection deposited in the Museum of East Bohemia, Hradec Králové. – *Acta Musei Reginaehradecensis*, s. A., Hradec Králové, 26: 3–21.
- KRAJČÍK M. (1999): Cetoniidae of the World. Catalogue – Part 2. Published by the author, Most, 107 pp.
- KRAJČÍK M. (2012): Checklist of the World Scarabaeoidea. – *Animma.x*, Plzeň, suppl. 5: 1–278.
- KRIKKEN J. (2009): Indognorimus and Indotrichius, new genera for South Asian Trichiini: a taxonomic clarification. – *Haroldius*, Leiden, 3: 3–15.
- LEWIS G. (1887): Note on a new species of Osmoderma and Trichius from Japan. – *Wiener Entomologische Zeitung*, Wien, 6(2): 49.
- LI C.-L., YANG P.-S., HSU K.-S. & WANG C.-C. (2008): A review of the genus Epitrichius Tagawa, with an analysis of the internal sac armature of the male genitalia. – *Zootaxa*, Auckland, 1895: 10–24.
- MIKŠIĆ R. (1958): Beitrag zur Kenntnis der paläarktischen Arten der Gattung Potosia Muls. II. (26. Beitrag zur Kenntnis der Scarabaeiden). – *Acta Musei Macedonici Scientiarum Naturalium*, Skopje, 5: 181–215.
- MIYAKE Y. (1994): A new genus and a new species of Trichiini from the Oriental region. – *The Entomological Review of Japan*, Osaka, 49(1): 47–54.
- NIKOLAJEV G. V. (1990): Novyy dlya fauny SSSR vid chruschcha roda Gnorimus Serv. (Coleoptera, Scarabaeidae, Trichiini) s Kuril'skikh ostrovov. [New species of the genus Gnorimus Serv. (Coleoptera, Scarabaeidae, Trichiini) for USSR from Kuril Islands]. In: CHEREPANOV A. I. (ed.): Redkie gel'minty, kle-shchi i nasekomye. Nauka, Novosibirsk, pp. 60–62 (in Russian).
- PETROVITZ R. (1955): The 3rd Danish Expedition to Central Asia. Zoological Results. 18. Scarabaeidae aus Afghanistan. – *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjöbenhavn*, København, 117: 275–287.
- RATAJ K. (1998): Zlatohlávkovití (Cetoniidae). V. díl. Cetoniini, druhy palearktické oblasti. – Karel Rataj, Vimperk, 175 pp.
- REITTER E. (1889): Coleopterologische Ergebnisse der im Jahre 1886 und 1887 in Transcaspien von Dr. G. Radde, Dr. A. Walters und A. Konchin ausgeführten Expedition. – *Verhandlungen des Naturforschenden Vereins in Brünn*, Brno, 27: 95–133.
- REITTER E. (1913): Übersicht der paläarktischen Arten der Coleopteren-Gattung Tropinota Muls. – *Entomologische Blätter*, Berlin, 9: 224–227.
- SABATINELLI G. (1984): Studi sul genere Oxythyrea Muls.: note sulle specie del gruppo Cinctella (Schaum) (Scarabaeidae Cetoniinae). – *Bolletino della Società Entomologica Italiana*, Genova, 116(4–7): 102–104.
- SAWADA H. (1939): Three new Lamellicorn beetles from Formosa. – *Nippon no Kochu*, Tokyo, 3: 41–46.
- SCHEIN H. (1955): Cetoniidae of Klapperich's Afghanistan Expedition 1952–1953. – *Entomologische Blätter*, Berlin, 51: 14–20.
- SCHOLTZ C. H. & GREBENNIKOV V. V. (2016): Scarabaeiformia Crowson, 1960. Pp. 345–365. In: BEUTEL R. G. & LESCHEN R. A. B. (eds.): Coleoptera, Beetles. Volume 1: Morphology and Systematics (Archostemata, Adephaga, Myxophaga, Polyphaga and Partim). 2nd edition, Handbook of Zoology. Vol. IV. Arthropoda: Insecta. Part 38. – Walter de Gruyter, Berlin, Boston, 684 pp.

- SCHOOLMEESTERS P. (2017): Scarabs: World Scarabaeidae Database (version Jan 2017). In: ROSKOV Y., ABUCAY L., ORRELL T., NICOLSON D., BAILLY N., KIRK P.M., BOURGOIN T., DEWALT R.E., DECOCK W., DE WEVER A., NIEUKERKEN E. VAN, ZARUCCHI J. & PENEV L. (eds.): Species 2000 & ITIS Catalogue of Life, 22nd March 2017. On-line: www.catalogueoflife.org/col. Species 2000: Naturalis, Leiden, the Netherlands. ISSN 2405–8858.
- SHABALIN S. A. & BEZBORODOV V. G. (2009): Larvae of scarab beetles of the subfamily Trichiinae (Coleoptera, Scarabaeidae) from the Russian Far East. – *Zoologicheskii Zhurnal*, Moscow, 88: 1201–1206. (in Russian, English abstract).
- TAUZIN P. (2004): Iconographie de quelques espèces du genre *Aleurostictus* Kirby, 1827 et nouvelle précision sur leur distribution (Coleoptera, Cetoniidae, Trichiinae, Trichiini). – *Cetoniimania*, Verneuil-sur-Seine, 1: 77–94.
- TESAŘ Z. (1935): Studie o variabilitě evropských druhů rodu *Trichius* Fab. De Europae generis *Trichius* F. specierum variabilitate. – *Acta Entomologica Musei Nationalis Pragae*, Praha, 13: 67–97.
- TESAŘ Z. (1938): Beitrag zur Kenntnis der palaearktischen Lamellicornien. – *Entomologische Nachrichtenblatt*, Wien, 12(3-4): 165–172.
- TESAŘ Z. (1941a): Nový druh rodu *Paratrichius* z Formosy. – *Časopis Československé Společnosti Entomologické*, Praha, 38: 68–71.
- TESAŘ Z. (1941b): *Paratrichius pauliani* n. sp. – *Acta Entomologica Musei Nationalis Pragae*, Praha, 19: 130.
- TESAŘ Z. (1942): Neue und wenig bekannte ostasiatische *Trichius*-Arten. – *Mitteilungen der Munchner entomologischen Gesellschaft*, München, 32: 213–219.
- TESAŘ Z. (1952): Neue orientalische *Trichius*-Arten. – *Opuscula Entomologica*, Lund, 17: 59–61.
- TESAŘ Z. (1959): Beitrag zur Kenntnis der Gattungen *Poecilophilides* Kraatz und *Anthracophora* Burm. – *Acta Musei Silesiae, Series A*, Opava, 8: 1–10.
- TESAŘ Z. (1973): Beitrag zur Kenntnis der *Gnathocera nigrolineata* Arrow. (Col., Cetoniinae). – *Acta Musei Silesiae, Series A*, Opava, 22: 127–128.
- TESAŘ Z. (1981): Soupis typových exemplářů nadčeledi Scarabaeoidea (pleurosticti) uložených ve Slezském muzeu v Opavě (Coleoptera). – *Acta Musei Silesiae, Series A*, Opava, 30: 255–268.
- YU CH., KOBAYASHI H. & CHU Y. (1998): The Scarabaeidae of Taiwan. – Mu Sheng Co., Taipei, 263 pp.

