

**Catalogue of type specimens of beetles (Coleoptera)
deposited in the National Museum,
Prague, Czech Republic***

**Scarabaeidae: Scarabaeinae: Onitini, Onthophagini,
Phanaeini, Scarabaeini and Sisyphini**

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Abstract. Type specimens from the collection of beetles (Coleoptera) deposited in the Department of Entomology, National Museum, Prague, are currently being catalogued. In this part of the catalogue dealing with the Scarabaeoidea, we present precise information about the types of 12 taxa of the tribe Onitini, 169 taxa of Onthophagini, 12 taxa of Phanaeini, four taxa of Scarabaeini and one taxon of Sisyphini. The corrected spellings of species-group names originally published as *Onthophagus sürmelii* Petrovitz, 1963 and *Phanaeus palaeno exisicornis* Balthasar, 1939 are proposed.

Key words. Catalogue, type specimens, National Museum, Scarabaeidae, Scarabaeinae, Onitini, Onthophagini, Phanaeini, Scarabaeini, Sisyphini

Introduction

This work represents the seventh part of the catalogue of type specimens of beetles (Coleoptera) deposited in the collection of the National Museum, Prague, Czech Republic (NMP; NMPC when referring to the collection); the previous parts were published by BEZDĚK & HÁJEK (2009, 2010a,b, 2011, 2012) and HÁJEK & ŠVIHLA (2012). This part deals with the tribes Onitini, Onthophagini, Phanaeini, Scarabaeini and Sisyphini belonging to the subfamily Scarabaeinae. Along with the paper, a database of all types including photos of most types and a copy of their original description is available on request.

* Catalogue of type specimens in NMPC, part 7

As in the previous parts, we begin by presenting brief information about the most important collections mentioned in the catalogue:

The collection of František Antonín Nickerl (1813–1871), Otakar Nickerl sen. (1838–1920) and Otakar Nickerl jun. (1873–1904) represents one of the oldest and largest collections in the NMP. It is important as it contains a number of types from the 19th century, Nickerls' active communications, exchanges and purchases of material brought; for example, the types of Friedrich Anton Kolenati (1812–1864).

The collection of Vladimír Balthasar (1897–1978) represents the most important specialised collection of the scarabaeoid families in the NMP. It contains ca. 40,000 specimens including the types of more than 500 species. Although most of the species were described by V. Balthasar himself, the collection also contains types from some Balthasar's contemporaries: Karel Všečeka (1898–1978), Georg Frey (1902–1976), Rudolf Petrovitz (1906–1974), Zdeněk Tesař (1907–1985), and Jean-Louis Nicolas (1928–2004).

Types from the collection of David Král (born 1959) comprise the complete type material (70 holotypes and 445 paratypes) from the collection of this contemporary Czech specialist on Scarabaeoidea. Although D. Král did not describe any species from the tribes catalogued in the present paper, his collection includes several Onthophagini paratypes exchanged with other specialists, e.g., Oleg N. Kabakov (1928–2009) and Joachim Schönfeld (born 1950; he formerly published under the surname Scheuern).

Material and methods

Recent concepts of higher classification of the Scarabaeoidea are largely inconsistent. The classification used in this catalogue follows SCHOLTZ & GREBENNIKOV (2005). Tribal classification of the subfamily Scarabaeinae is adopted from HANSKI & CAMBEFORT (1991) and partially modified according to MONTREUIL (1998) and VAZ-DE-MELLO (2008): Ateuchini, Canthonini, Coprini, Eucraniini, Eurysternini, Gymnopleurini, Oniticellini, Onthophagini, Onitini, Phanaeini, Scarabaeini and Sisyphini. Due to the vast number of species in Scarabaeinae, we have split the catalogue of dung beetle types deposited in the NMPC into three parts; the first two of them have already been published by BEZDĚK & HÁJEK (2011, 2012).

The world-wide genus *Onthophagus* Latreille, 1802 is an extremely species-rich group, with more than 2,000 described species. Its subgeneric classification is unstable and poorly developed. Only about 700 *Onthophagus* species are formally assigned to one of the existing valid subgenera, while 1,500 species remain unclassified or provisionally placed into the subgenus *Onthophagus* (TARASOV & SOLODOVNIKOV 2011). Here, the species names within this genus are arranged alphabetically to facilitate search for the taxon of interest.

Within each subfamily/tribe, the genera and species are also arranged alphabetically. Each entry includes:

- the name of the taxon in original combination.
- the name of the taxon in original combination and spelling, with the author and year of description. Pagination, figures and plates are also given.
- the name-bearing type, number of specimens (including their sex if known) and exact label data. Our remarks are found in square brackets: [p] – preceding data are printed,

[hw] – preceding data are handwritten. Separate labels are indicated by a double slash ‘//’ and lines within each label are separated by a slash ‘/’.

- the current taxonomic status.
- the type condition is mentioned for considerably damaged specimens.
- any taxonomic problems and inconsistencies are mentioned under Remarks.

Full reference to each publication can be found in References.

The types of infrasubspecific entities, i.e., names not regulated by the International Code of Zoological Nomenclature (ICZN 1999: Art. 1.3.4), are listed separately and briefly.

Catalogue

Subfamily Scarabaeinae: Onitini

Chironitis imitator Balthasar, 1963

Chironitis imitator Balthasar, 1963c: 95, Fig. 3.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘SUDAN / Mongalla / Lado [hw] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p] // *Chironitis / imitator / n.sp. Balth. / 62 ♂ [hw] / Holotypus [p, pink label]*’.

Current status. *Cheironitis imitator* (Balthasar, 1963).

Remark. *Chironitis* Janssens, 1937 is an unjustified emendation of the genus-group name *Cheironitis* Lansberge, 1875, see BRANCO & ZIANI (2005) for details.

Chironitis klapperichi Balthasar, 1955

Chironitis klapperichi Balthasar, 1955: 411, Fig. 1b.

Twelve paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPES (2 ♂♂): ‘J. Klapperich / Bashgultal 1150 m / Nuristan 12.5.53 / Afghanistan [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p] // *Chironitis / klapperichi / n.sp. Balth. [hw] / Paratypus [p, pink label]*’.

PARATYPE (♀): ‘J. Klapperich / Bashgultal 1100 m / Nuristan 6.5.53 / Afghanistan [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p] // *Chironitis / klapperichi / n.sp. Balth. [hw] / Paratypus [p, pink label]*’.

PARATYPE (♂): ‘J. Klapperich / Bashgultal 1300 m / Nuristan 24.5.53 / Afghanistan [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p] // *Chironitis / klapperichi / n.sp. Balth. [hw] / Paratypus [p, pink label]*’.

PARATYPE (♀): ‘J. Klapperich / Bashgultal 1200 m / Nuristan 7.5.53 / Afghanistan [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p] // *Chironitis / klapperichi / n.sp. Balth. [hw] / Paratypus [p, pink label]*’.

PARATYPES (3 ♂♂): ‘J. Klapperich / Bashgultal 1100 m / Nuristan 6.5.53 / Afghanistan [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p]’.

PARATYPES (2 ♂♂ 1 ♀): ‘J. Klapperich / Bashgultal 1200 m / Nuristan 17.5.53 / Afghanistan [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p]’.

PARATYPE (♀): ‘J. Klapperich / Bashgultal 1100 m / Nuristan 23.5.53 / Afghanistan [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p]’.

Current status. *Cheironitis klapperichi* (Balthasar, 1955).

Remark. *Chironitis* Janssens, 1937 is an unjustified emendation of the genus-group name *Cheironitis* Lansberge, 1875, see BRANCO & ZIANI (2005) for details.

***Chironitis lohsei* Balthasar, 1968**

Chironitis lohsei Balthasar, 1968: 955.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): ‘Shirati / 19 [p] 09.V. [hw] // Africa or. / Katona [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p] // *Chironitis / lohsei* n.sp. / ♀ Balthasar [hw] / Holotypus [p, pink label]’.

Current status. Junior subjective synonym of *Aptychonitis anomalus* (Gestro, 1895), see CAMBEFORT (1976).

Remark. *Chironitis* Janssens, 1937 is an unjustified emendation of the genus-group name *Cheironitis* Lansberge, 1875, see BRANCO & ZIANI (2005) for details.

***Epionitis tarsatus* Balthasar, 1942**

Epionitis tarsatus Balthasar, 1942a: 196, Fig. 3.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): ‘Ost Afrika / Usambara Geb. / 1600 m / Farm Temnah [p] / 11.V. [hw] 1933 [p, blue label] // TYPUS [p, red label, black frame] // *Epionitis / tarsatus / typ. n. sp.* [hw] / Dr. V. Balthasar det. [p] // Boucomont det. 1935 [p] / *Onitis sp.* ♀ [hw] // *Epionitis / tarsatus m.* [hw, pink label]’.

Current status. Junior subjective synonym of *Platyonitis oberthueri* Janssens, 1942, see BEZDĚK & SLÁDEČEK (2012).

***Onitis alexis septentrionalis* Balthasar, 1942**

Onitis alexis septentrionalis Balthasar, 1942a: 195.

Sixteen syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPES (2 ♂♂): ‘Vardarebene / Salonich / A. Schatzmayr [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p]’.

SYNTYPE (♂): ‘Syrien / v. Bodemeyer [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p]’.

SYNTYPE (♂): ‘Madrid [hw] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p]’.

SYNTYPE (♂): ‘Coll. Nonfried / Asia minor [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p]’.

SYNTYPE (♀): ‘Rhodes / Em. Reitter [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p]’.

SYNTYPES (2 ♀♀): ‘Macedonia / Vardarebene / A. Schatzmayr / Coll. O. Leonhard [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p]’.

SYNTYPES (4 ♂♂ 1 ♀): ‘Beyruth / Syrien [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p]’.

SYNTYPES (2 ♂♂ 1 ♀): ‘Sidon / Libanon [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p]’.

Current status. Valid subspecies.

***Onitis numida marginicollis* Balthasar, 1929**

Onitis numida var. *marginicollis* Balthasar, 1929: 113.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (unsexed specimen): ‘Turkestan [hw] // v. *marginicollis m.* [hw] / Det. Dr. Balthasar [p] / Typus [hw] // Typus [p, red label] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p]’.

Current status. Valid subspecies.

Remark. Very probably, this taxon was described according to a mislabeled specimen (KABAKOV 2006), and its revision is thus necessary.

Onitis obenbergeri Balthasar, 1942

Onitis obenbergeri Balthasar, 1942a: 192, Fig. 2.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Linokana [p] // Transvaal [hw] // Typus [p, red label, black frame] // Onitis / obenbergeri / typ n.sp. [hw] / dr. V. Balthasar det. [p] // Onitis / obenbergeri m. [hw, pink label]'.

Current status. Valid species.

Onitis parvulus Balthasar, 1963

Onitis parvulus Balthasar, 1963a: 289, Fig. 6.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Tanganyika: Kilimandjaro / vers. O. (Buchberger) / ex. coll. Dr. Breuning [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p] // Onitis / parvulus / n. sp. Balth. / ♂ [hw] Holotypus [p, pink label]'.

Current status. Valid species.

Onitis perpunctatus Balthasar, 1963

Onitis perpunctatus Balthasar, 1963a: 291, Fig. 7.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Indaleni / Dist. Richmond / Natal 8.3.1956 [hw] // ex. coll. Breuning [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p] // Onitis ♂ / perpunctatus / n.sp. Balth. [hw] / Holotypus [p] 62 [hw, pink label]'.

Current status. Valid species.

Onitis pers Gusakov & Klimenko, 2009

Onitis pers Gusakov & Klimenko, 2009: 5, Figs 4, 5, 10, 11, 14, 16, 18.

One paratype is deposited in NMPC (general collection – donated by A. A. Gusakov & A. A. Klimenko):

PARATYPE (♂): 'SW Iran, Lorestan prov. / Dorud area / Siyah-Kaleh vill. / 29.IV.2007 A. Klimenko leg. [p] // PARATYPE / Onitis pers ♂ / Gusakov et Klimenko [p, red label]'.

Current status. Valid species.

Onitis pumilio Balthasar, 1963

Onitis pumilio Balthasar, 1963a: 290.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Kenya, 10./4.57 / Timtabroa [badly readable] / B+L. 2800 m [hw] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p] // Onitis ♂ / pumilio / n.sp. Balth. [hw] / Holotypus [p] 62 [hw, pink label]'.

Current status. Valid species.

***Paronitis excavaticollis* Balthasar, 1942**

Paronitis excavaticollis Balthasar, 1942a: 198, Fig. 3.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): ‘Portg. Ost-afrika / Plantage nangororo / 1929 [p, blue label] // Typus [p, red label, black frame] // Paronitis / excavaticollis / n. sbg., n. sp. [hw] / Dr. V. Balthasar det. [p] // Paronitis / excavaticollis m. [hw, pink label]’.

Current status. Valid species.

Subfamily Scarabaeinae: Onthophagini***Anoctus siamensis* Balthasar, 1942**

Anoctus siamensis Balthasar, 1942a: 199, Fig. 4.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Siam / Museum Lübeck / Eing. Nr. 160, 1934 [p] // Boucomont det. 1934 [p] / Onthophagus / nov. gen. ? [hw] // TYPUS [p, red label, black frame] // Anoctus / siamensis / Typus n. sp. [hw] / Dr. V. Balthasar det. [p] // Anoctus / siamensis m. [hw, yellow label]’.

Current status. Valid species.

***Caccobiomorphus brevisetosus* Balthasar, 1964**

Caccobiomorphus brevisetosus Balthasar, 1964a: 32.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Africa or. / Katona [p] // Mons / Marti [p] // Caccobiomorphus / brevisetosus / n.sp. Balth. / 63 [hw] Holotypus [p, pink label]’.

Current status. Junior subjective synonym of *Caccobius (Megaponerophilus) megaponerae* (Brauns, 1914), see CAMBEFORT (1976, 1979).

***Caccobiomorphus congolanus* Balthasar, 1964**

Caccobiomorphus congolanus Balthasar, 1964a: 33.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): ‘COLL. MUS. CONGO / Stan.: Yangambi / VIII-1952 [p] // J. Decelle [p] // Caccobiomorphus / congolanus / n.sp. Balth. [hw] / Holotypus [p] 63 [hw, pink label]’.

Current status. Junior subjective synonym of *Caccobius (Megaponerophilus) megaponerae* (Brauns, 1914), see CAMBEFORT (1976, 1979).

***Caccobius (Caccophilus) atomarius* Balthasar, 1935**

Caccobius (Caccophilus) atomarius Balthasar, 1935a: 192.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): ‘B. v. Bodemeyer / Sibiria orient. [p] // Typus [p, red label, black frame] // Cacc. atoma- / rius m. [hw] / Dr. Balthasar det. [p]’.

Current status. Junior subjective synonym of *Caccobius (Caccobius) brevis* Waterhouse, 1875, see KABAKOV (1979).

***Caccobius (Caccophilus) boucomonti* Balthasar, 1935**

Caccobius (Caccophilus) boucomonti Balthasar, 1935a: 188.

Five syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'Tatsienlu- / China Em. [p] // Kiulung / Reitter [p] // Typus [p, red label, black frame] // Cacc. bouco- / monti m. [hw] / Dr. V. Balthasar det. [p] // Caccobius / boucomonti / Balthasar, 1935 / Shinya Kawai det. 2010 [p]'.

SYNTYPES (1 ♂ 1 ♀): 'Giufu-Shan / Szechuan [p] // Typus [p, red label, black frame] // Caccobius / boucomonti / Balthasar, 1935 / Shinya Kawai det. 2010 [p]'.

SYNTYPE (♀): 'Nitou Tatsienlu / Szechuan China [p] // Typus [p, red label, black frame] // Caccobius / boucomonti / Balthasar, 1935 / Shinya Kawai det. 2010 [p]'.

SYNTYPE (♀): 'Nitou Tatsienlu / Szechuan China / Em. Reitter [p] // Typus [p, red label, black frame] // Caccobius / boucomonti / Balthasar, 1935 / Shinya Kawai det. 2010 [p]'.

Current status. Valid species.

***Caccobius (Caccophilus) crenatostriatus* Balthasar, 1935**

Caccobius (Caccophilus) crenatostriatus Balthasar, 1935a: 190.

Two syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'Wladiwostok / Ost-Asien / Hermann Frieb [p, black frame] // Typus [p, red label, black frame]'.

SYNTYPE (♀): 'Wladiwostok / Ost-Asien / Hermann Frieb [p, black frame] // Typus [p, red label, black frame] // Cacc. crenato- / striatus m. [hw] / Dr. Balthasar det. [p]'.

Current status. Junior subjective synonym of *Caccobius (Caccophilus) christophi* Harold, 1879, see KABAKOV (1979).

***Caccobius cribrarius* Boucomont, 1928**

Caccobius cribrarius Boucomont, 1928: 420.

Two paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPES (2 unsexed specimens): 'MUSÉE DU CONGO / Haut-Uelle: Abimya [p] / -VII- [hw] 1925 / L. Burgeon [p] // Co- [hw] TYPE [p, orange label]'.

Current status. *Caccobius (Caccophilus) cribrarius* Boucomont, 1928, see, e.g., FERREIRA (1972).

***Caccobius (Caccophilus) elephantinus* Balthasar, 1967**

Caccobius (Caccophilus) elephantinus Balthasar, 1967a: 53.

Nineteen paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / Nambouli river [p] // 12.1.1964 No. 658 / sifted and singled / from elephant excr. / leg. Endrödy-Younga [p] // Caccobius / (Caccophilus) / elephantinus / n.sp. Balth. / ♂ 66 [hw] / Paratypus [p, ochreous label]'.

PARATYPE (♀): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / Nambouli river [p] // 12.1.1964 No. 658 / sifted and singled / from elephant excr. / leg. Endrödy-Younga [p] // Caccobius / (Caccophilus) / elephantinus / n.sp. Balth. / ♀ 66 [hw] / Paratypus [p, ochreous label]'.

PARATYPES (3 unsexed specimens): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / Nambouli river [p] // 12.1.1964 No. 658 / sifted and singled / from elephant excr. / leg. Endrödy-Younga [p] // Caccobius / (Caccophilus) / elephantinus / n.sp. Balth. / 66 [hw] / Paratypus [p, ochreous label]'.

PARATYPES (15 unsexed specimens): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / Nambouli river [p] // 12.1.1964 No. 658 / sifted and singled / from elephant excr. / leg. Endrődy-Younga [p]'.

Current status. Valid species.

Caccobius (Caccobius) flavolimbatus Balthasar, 1942

Caccobius (s. str.) *flavolimbatus* Balthasar, 1942a: 199.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'Taihorin / Formosa / H. Sauter 1911 [p] // 7. VIII. [p] // TYPUS [p, red label] // *Caccobius / flavolimbatus* [hw] / Dr. V. Balthasar det. [p] // flavolimba- / tus m. [hw, yellow label]'.

Current status. Junior subjective synonym of *Caccobius (Caccobius) chokakurainus* (Matsumura, 1938), see LÖBL et al. (2006).

Caccobius (Caccophilus) fukiensis Balthasar, 1942

Caccobius (Caccophilus) fukiensis Balthasar, 1942b: 119.

Three syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'Shaowu - Fukien / (500m) J. Klapperich / 18.6. 1937 [p, violet label] // Typus [p, red label, black frame] // *Caccobius / fukiensis / Typus!* n.sp. [hw] / Dr. V. Balthasar det. [p]'.

SYNTYPE (unsexed specimen): 'Shaowu - Fukien / (500m) J. Klapperich / 5.6. 1937 [p, violet label] // Typus [p, red label, black frame] // *Caccobius / fukiensis / Typus!* n.sp. [hw] / Dr. V. Balthasar det. [p]'.

SYNTYPE (♂): 'Shaowu - Fukien / (500m) J. Klapperich / 1.7. 1937 [p, violet label] // Typus [hw, red label]'.

Current status. Valid species.

Caccobius gilleti Balthasar, 1933

Caccobius gilleti Balthasar, 1933b: 50.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Helfer [hw] // *Caccobius / gilleti* m. Typ [hw] / Dr. Balthasar det. [p] // Gilleti m. [hw, yellow label]'.

Current status. *Caccobius (Caccophilus) gilleti* Balthasar, 1933, see BALTHASAR (1963d).

Caccobius (Caccophilus) histrio Balthasar, 1967

Caccobius (Caccophilus) histrio Balthasar, 1967a: 51.

Six paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 9.1.1964 No. 617 / excrement trap / on savannah / leg. Endrődy-Younga [p] // C. (*Caccophilus*) / *histrio* n.sp. / ♂ Balthasar [hw] / 66 [hw] Paratypus [p, ochreous label]'.

PARATYPE (♀): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 9.1.1964 No. 617 / excrement trap / on savannah / leg. Endrődy-Younga [p] // C. (*Caccophilus*) / *histrio* n.sp. / ♀ Balthasar [hw] / 66 [hw] Paratypus [p, ochreous label]'.

PARATYPES (4 unsexed specimens): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 9.1.1964 No. 617 / excrement trap / on savannah / leg. Endrődy-Younga [p]'.

Current status. Valid species.

***Caccobius imitans* Balthasar, 1933**

Caccobius imitans Balthasar, 1933a: 67.

Eleven syntypes are deposited in NMPC (ex coll. V. Balthasar and ex coll. J. Hlisenikowski):

SYNTYPES (2 unsexed specimens): 'Tatsienlu / China Em. [p] // Kiulung / Reitter [p] // Typus [p, red label, black frame] // *Caccobius / imitans* Typ [hw] / Dr. Balthasar det. [p]'.

SYNTYPE (unsexed specimen): 'Tatsienlu-Kiulung / China Em. Reitter [p] // Cotypus [p, red label] // *Caccobius imitans / Cotype!* m. [hw] / Dr. Balthasar det. [p] // *Caccobius / imitans* Balth. [hw] / det. Hlisenikovsky 1943 [p, pink label]'.

SYNTYPE (unsexed specimen): 'Tatsienlu / China [p] // Kiulung / Reitter [p] // Typus [p, red label, black frame] // *Caccobius / imitans* Typ [hw] / Dr. Balthasar det. [p]'.

SYNTYPES (3 unsexed specimens): 'Tatsienlu / China [p] // Kiulung / Reitter [p] // Typus [p, red label, black frame]'.

SYNTYPE (unsexed specimen): 'Giufu-Shan / Szechouan / Em. Reitter [p] // Typus [p, red label, black frame] // *Caccobius / imitans* Typ [hw] / Dr. Balthasar det. [p]'.

SYNTYPES (3 unsexed specimens): 'Giufu-Shan / Szechouan / Em. Reitter [p] // Typus [p, red label, black frame]'.

Current status. *Caccobius* (*Caccobius*) *imitans* Balthasar, 1933, see BALTHASAR (1963d).

***Caccobius* (*Caccophilus*) *leleupi* Balthasar, 1963**

Caccobius (*Caccophilus*) *leleupi* Balthasar, 1963c: 92.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (unsexed specimen): 'COLL. MUS. CONGO / Katanga: Kakontwé / Grot. Befrenne X-48 / N. Leleup [p] / (Entrée) [hw] // *Metacatharsius / sp.* / det. G. Frey 1960 [hw] // *Caccobius / (Caccophilus) / leleupi* n.sp. / Balth. / 62 [hw] Paratypus [p, ochreous label]'.

Current status. Valid species.

***Caccobius* (*Caccophilus*) *scrofa* Balthasar, 1942**

Caccobius (*Caccophilus*) *scrofa* Balthasar, 1942b: 118.

Three syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'Shaowu - Fukien / (500m) J. Klapperich / 3.6. 1937 [p, violet label] // Typus [p, red label, black frame] // *Caccobius / scrofa / Typus!* n.sp. [hw] / Dr. V. Balthasar det. [p]'.

SYNTYPE (unsexed specimen): 'Shaowu - Fukien / (500m) J. Klapperich / 9.6. 1937 [p, violet label] // Typus [hw, red label] // *Caccobius / scrofa / Typus!* n.sp. [hw] / Dr. V. Balthasar det. [p]'.

SYNTYPE (unsexed specimen): 'Shaowu - Fukien / (500m) J. Klapperich / 9.6. 1937 [p, violet label] // Typus [hw, red label]'.

Current status. Valid species.

***Caccobius* (*Caccophilus*) *sericoides* Balthasar, 1966**

Caccobius (*Caccophilus*) *sericoides* Balthasar, 1966b: 53.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'Seneg [p] // M. Berl [p] // *Caccobius / (Caccophilus) / sericoides / n.sp.* Balthasar / H [hw] Holotypus [p] 65 [hw, ochreous label]'.

Current status. Valid species.

***Caccobius (Caccophilus) sibiricus* Balthasar, 1935**

Caccobius (Caccophilus) sibiricus Balthasar, 1935a: 191.

Ten syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPES (1 ♂ 1 ♀): 'Wladiwostok / Ost-Asien / Hermann Frieb [p, black frame] // Typus [p, red label, black frame]'.

SYNTYPES (2 ♂♂ 4 ♀♀): 'B. v. Bodemeyer / Sibiria orient. [p] // Typus [p, red label, black frame]'.

SYNTYPE (♂): 'Sibiria or. [hw] // Typus [p, red label, black frame]'.

SYNTYPE (♀): 'Sibir. or. Ussuri / Vladivostok / Dr. Jureček 1919 [p] // Typus [p, red label, black frame]'.

Current status. Junior subjective synonym of *Caccobius (Caccophilus) kelleri* (Olsoufieff, 1907), see KABAČOV (1979).

***Caccobius (Caccophilus) youngai* Balthasar, 1967**

Caccobius (Caccophilus) youngai Balthasar, 1967a: 52.

Five paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 9.1.1964 No. 617 / excrement trap / on savannah / leg. Endrődy-Younga [p] // *Caccobius (Caccophilus) / youngai* n.sp. / ♂ Balthasar 66 [hw] / Paratypus [p, ochreous label]'.

PARATYPE (♀): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 9.1.1964 No. 616 / meat trap / on savannah / leg. Endrődy-Younga [p] // *Caccobius (Caccophilus) / youngai* n.sp. / ♀ Balthasar 66 [hw] / Paratypus [p, ochreous label]'.

PARATYPE (unsexed specimen): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 7.1.1964 No. 599 / excrement trap / on savannah / leg. Endrődy-Younga [p] // *Caccobius (Caccophilus) / youngai* n.sp. / Balthasar 66 [hw] / Paratypus [p, ochreous label]'.

PARATYPE (unsexed specimen): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 7.1.1964 No. 598 / meat trap / on savannah / leg. Endrődy-Younga [p]'.

PARATYPE (unsexed specimen): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 9.1.1964 No. 616 / meat trap / on savannah / leg. Endrődy-Younga [p]'.

Current status. *Cleptocaccobius youngai* (Balthasar, 1967), see CAMBEFORT (1984).

***Cassolus fukiensis* Balthasar, 1960**

Cassolus fukiensis Balthasar, 1960: 90, Fig. 1.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Kuatun (2300m) 27,40n.Br. / 117,40ö.L. J. Klapperich / 29.4. 1938 (Fukien) [p, violet label] // *Cassolus / fukiensis* / n.sp. Balth. [hw] / Holotypus [p, ochreous label] // HOLOTYPE / *Cassolus / fukiensis* / Balthasar, 1960 / S. Tarasov det. 2010 [p, red label]'.

Current status. Valid species.

Remark. Tribal position of the genus *Cassolus* Sharp, 1875 is somewhat unclear. HANSKI & CAMBEFORT (1991) listed this genus within Onthophagini, while recent study of TARASOV & KEITH (2011) supported tentative placement of *Cassolus* within Deltochilini (= Canthonini).

***Indachorius chinensis* Balthasar, 1952**

Indachorius chinensis Balthasar, 1952b: 224.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (unsexed specimen): 'Kuatun (2300m) 27,40n.Br. / 117,40ö.L. J. Klapperich / 10.6. 1938 (Fukien) [p, violet label] // Typus [p, red label, black frame] // *Indachorius / chinensis / n.sp.* [hw] / Dr. V. Balthasar det. [p]'.

Current status. *Onthophagus (Indachorius) chinensis* (Balthasar, 1952), see, e.g., BALTHASAR (1963d).

Indachorius hirtus Balthasar, 1941

Indachorius hirtus Balthasar, 1941a: 162.

One syntype is deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (unsexed specimen): 'Br. India / Ranchi [hw] // Typus [hw, red label] // *Indachorius / hirtus n.g, n.sp. / Typus gen.* [hw] / Dr. V. Balthasar det. [p] // *hirtus / m.* [hw, yellow label]'.

Current status. *Onthophagus (Indachorius) nefarius* Balthasar, 1963.

Remark. BALTHASAR (1963d) proposed the replacement name *Onthophagus (Indachorius) nefarius* for *Onthophagus (Indachorius) hirtus* (Balthasar, 1941), a junior secondary homonym of *Onthophagus (Trichonthophagus) hirtus* (Illiger, 1803).

Onthophagus abas Balthasar, 1946

Onthophagus abas Balthasar, 1946a: 15.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'SOMALIA IT. / Eil (Nogal) / III-IV-1938 / S. Venzo [p] // Typus [p, red label, black frame] // *Onthophagus / abas n.sp.* [hw] / Dr. V. Balthasar det. [p] // *Onthophagus / abas Balth.* [hw, pink label]'.

Current status. Valid species; not assigned to any subgenus.

Remark. BALTHASAR (1946a) reported the type specimen as a female, nevertheless the dissection proved it was a male.

Onthophagus absyrtus Balthasar, 1946

Onthophagus absyrtus Balthasar, 1946a: 17.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'Johannesburg / Umg. 1912 [hw] // Typus [p, red label, black frame] // *Onth. ab- / syrtus n.sp.* [hw] / Dr. V. Balthasar det. [p] // *Onthophagus / absyrtus Balth.* [hw, pink label]'.

Current status. Valid species; not assigned to any subgenus.

Onthophagus akademus Balthasar, 1946

Onthophagus akademus Balthasar, 1946b: 19.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (unsexed specimen): 'Südost-Sumatra / 920 m. / Fort de Kock ... 1925 / Eing. Nr. 5. 1926 [p] // *Onthophagus / akademus / n. sp.* [hw] / Dr. V. Balthasar det. [p] // Typus [p, red label]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus acrisius* Balthasar, 1946**

Onthophagus acrisius Balthasar, 1946b: 20.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'China / Prov. Fokien / G. Siemssen vend. / 8.9.1911 [p] // Typus [p, red label, black frame] // *Onthophagus* / *acrisius* n.sp. [hw] / Dr. V. Balthasar det. [p]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus actaeon* Balthasar, 1946**

Onthophagus actaeon Balthasar, 1946b: 21.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Formosa / Chip Chip, 6. 1908 / Eing. Nr. 130, 1927 [p] // Typus [p, red label] // *Onthophagus* / *actaeon* n.sp. [hw] / Dr. V. Balthasar det. [p]'.

Current status. Junior subjective synonym of *Onthophagus* (*Sunenaga*) *anguliceps* Boucomont, 1914, see OCHI (2003).

***Onthophagus admetus* Balthasar, 1946**

Onthophagus admetus Balthasar, 1946c: 24.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'Cauca-Tal / Columbien [p] // Coll. Kraatz [p] // Typus [p, red label, black frame] // *Onthophagus* / *admetus* / n.sp. [hw] / Dr. V. Balthasar det. [p] // Mus. Nat. Pragae / Inv. [p] 26230 [hw, orange label] // SEM [p, yellow label] // *Onthophagus* / *admetus* Balth. [hw, green label] // *Onthophagus* / *admetus* / Balthasar [hw] / dét. F. Génier 2003 [p]'.

Current status. Valid species; not assigned to any subgenus.

Remark. According to GÉNIER (2003), the holotype is mislabeled and it was collected in subsaharan Africa.

***Onthophagus (Onthophagus) aegrotus* Balthasar, 1967**

Onthophagus (s. str.) *aegrotus* Balthasar, 1967a: 58.

Four paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 9.1.1964. No. 616 / meat trap / on savannah / leg. Endrődy-Younga [p] // *Onthophagus* / *aegrotus* n.sp. / Balthasar 66 [hw] / Paratypus [p, pink label]'.

PARATYPE (unsexed specimen): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 9.1.1964. No. 616 / meat trap / on savannah / leg. Endrődy-Younga [p] // *Onthophagus* / *aegrotus* n.sp. / Balthasar 66 [hw] / Paratypus [p, pink label]'.

PARATYPE (unsexed specimen): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 9.1.1964. No. 616 / meat trap / on savannah / leg. Endrődy-Younga [p] // *Onthophagus* / *aegrotus* n.sp. / Balthasar 66 [hw] / Paratypus [p, pink label]'.

PARATYPE (♂): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 7.1.1964. No. 598 / meat trap / on savannah / leg. Endrődy-Younga [p] // *Onthophagus* / *aegrotus* n.sp. / Balthasar 66 [hw] / Paratypus [p, pink label]'.

Current status. Valid species.

***Onthophagus (Onthophagus) aerumnosus* Balthasar, 1963**

Onthophagus (s. str.) *aerumnosus* Balthasar, 1963d: 603.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'Thailand / Ping Khong / 6. XI. 1961 [hw] // *Onthophagus / aerumnosus / n.sp. Balth. [hw] / Holotypus [p] 63 [hw, ochreous label]*'.

Current status. *Onthophagus (Parascatonomus) aerumnosus* Balthasar, 1963, see KABAČOV (1992).

***Onthophagus (Onthophagus) anamalaiensis* Balthasar, 1974**

Onthophagus (s. str.) *anamalaiensis* Balthasar, 1974: 183.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Anamalai Hills / Cinchona, S. Ind. / 3500 ft. 1959 [p] // *Onth. anama- / laiensis / Holo Balth. [hw] / Allotypus [p, ochreous label] // Onthophagus / vladimiri / Frey, 1957 [hw] / S. Tarasov det. 2009 [p]*'.

Current status. Junior subjective synonym of *Onthophagus vladimiri* Frey, 1957, see TARASOV (2010).

***Onthophagus antilocapra* Balthasar, 1937**

Onthophagus antilocapra Balthasar, 1937b: 1.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Bignona / Sénégal / - 7. 1931 [hw] // TYPUS [p, red label] // *antilocapra / m. [hw, pink label]*'.

Current status. Valid species; not assigned to any subgenus.

Remark. TAGLIAFERRI et al. (2012) indicated its possible placement in the subgenus *Bicornonthophagus* Tagliaferri & Moretto, 2012.

***Onthophagus (Onthophagus) baloghi* Balthasar, 1967**

Onthophagus (s. str.) *baloghi* Balthasar, 1967a: 55.

Four paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPES (3 unsexed specimens): 'Soil-Zoological Exp. / Congo-Brazzaville / Kindamba, Méya / Bangou forest [p] // 12.11.1963. No. 171 / soil trap / in forest / leg. Balogh & Zicsi [p] // *Onthophagus / baloghi n. sp. / Balthasar 66 [hw] / Paratypus [p, pink label]*'.

PARATYPE (unsexed specimen): 'Soil-Zoological Exp. / Congo-Brazzaville / Sibiti / Soso river [p] // 1.12.1963. No. 312 / soil trap / in forest / leg. Balogh & Zicsi [p] // *Onthophagus / baloghi n. sp. / Balthasar 66 [hw] / Paratypus [p, pink label]*'.

Current status. Valid species.

***Onthophagus balthasari* Všečeka, 1939**

Onthophagus balthasari Všečeka, 1939: 43.

One syntype is deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'N W Chine / Chiukiang [p] // Typus [p, red label] // *Onthophagus / Balthasari m. [hw] / det. Dr. Všečeka [p]*'.

Current status. *Onthophagus* (*Gibbonthophagus*) *balthasari* Všetečka, 1939, see BALTHASAR (1963d).

***Onthophagus baraudi* Nicolas, 1964**

Onthophagus baraudi Nicolas, 1964: 8, Fig. 3.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'Belvédère / du Viso, 1900 m. / (H. R.) 6. 7. 56 / J.C. Berson [p] // *Onthophagus* / *baraudi* / Nicolas / PARATYPE ♂ [hw, red label]'.

Current status. *Onthophagus* (*Palaeonthophagus*) *baraudi* Nicolas, 1962, see, e.g., BARAUD (1992).

***Onthophagus* (*Onthophagus*) *bartosi* Balthasar, 1966**

Onthophagus (s. str.) *bartosi* Balthasar, 1966b: 51.

The holotype and one paratype (the allotype) are deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'WEST-AFRICA / Ghana [hw] // *Onthophagus* / *bartosi* n.sp. / ♂ Balthasar 66 [hw] / Holotypus [p] // Mus. Nat. Pragae / Inv. [p] 65873 [hw, red label]'.

PARATYPE (♀): 'WEST-AFRICA / Ghana [hw] // *Onthophagus* / *bartosi* n.sp. / ♀ Balthasar 66 [hw] / Allotypus [p] // Mus. Nat. Pragae / Inv. [p] 65874 [hw, red label]'.

Current status. Valid species.

***Onthophagus bayeri* Balthasar, 1942**

Onthophagus bayeri Balthasar, 1942a: 201.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'S. W. Afr. / Okahandja [hw] // *Onthophagus* / *bayeri* n.sp. / Typ! [hw] / Dr. V. Balthasar det. [p] // Typus [p, red label] // *Onthophagus* / *bayeri* m. [hw, pink label]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus* (*Onthophagus*) *bilingula* Balthasar, 1965**

Onthophagus (s. str.) *bilingula* Balthasar, 1965: 321, Fig. 5.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Afr. occ. - Guinea / Ober-Niger [hw] // *Onthophagus* / *bilingula* / n. sp. Balth. / ♂ [hw] Holotypus [p] 64 [hw, pink label]'.

Current status. Valid species.

Remark. TAGLIAFERRI et al. (2012) indicated its possible placement in the subgenus *Bicornonthophagus* Tagliaferri & Moretto, 2012.

***Onthophagus* (*Onthophagus*) *bomberaianus* Balthasar, 1969**

Onthophagus (s. str.) *bomberaianus* Balthasar, 1969: 366, Fig. 4.

The holotype and one paratype are deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'N. Guinea / Irian VI. 64 / Tanahmerah [hw] // *Onthophagus* / *bomberaianus* / n.sp. Balthasar / ♂ [hw] Holotypus [p] 66 [hw, ochreous label]'.

PARATYPE (♀): 'NEW GUINEA: NETH. / VOGELKOP: Fak Fak / S. coast of Bomberai / 100-700m, VI-8-1959 [p] // T. C. Maa / Collector / BISHOP [p] // *Onthophagus* / bomberaianus / n.sp. Balthasar / ♀ [hw] Paratypus [p] 66 [hw, ochreous label]'.

Current status. Valid species.

Onthophagus (Onthophagus) brazzavillianus Balthasar, 1974

Onthophagus (s. str.) *brazzavillianus* Balthasar, 1974: 184.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'Soil-Zoological Exp. / Congo-Brazzaville / Foret Classée 30 km / W from Brazzaville [p] // 26.12.1963. No 519 / singled / from trunks / leg. Endrődy-Younga [p] // *Onth.* (s.str.) / brazzavilli- / anus Balth. / n. sp. [hw] / Holotypus [p, pink label]'.

Current status. Valid species.

Onthophagus (Onthophagus) busiris Balthasar, 1969

Onthophagus (s. str.) *busiris* Balthasar, 1969: 378, Fig. 14.

The holotype and one paratype (the allotype) are deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Nya Guinea / Steenkool 17/3-57 / Dagny Bergman [p] // *Onthophagus* / busiris n.sp. / Balthasar / 66 [hw] Holotypus [p] ♂ [hw, ochreous label]'.

PARATYPE (♀): 'Nya Guinea, 19/3-58 / Swart Valley, 1600 m / Dagny Bergman [p] // *Onthophagus* / busiris n.sp. / Balthasar / ♀ [hw] Allotypus [p] 66 [hw, ochreous label]'.

Current status. Valid species.

Onthophagus (Onthophagus) caelator Balthasar, 1967

Onthophagus (s. str.) *caelator* Balthasar, 1967a: 62.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♀): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 7.1.1964. No. 599 / excrement trap / on savannah / leg. Endrődy-Younga [p] // *Onthophagus* / caelator n. sp. / ♀ Balthasar 66 [hw] / Paratypus [p, pink label]'.

Current status. Valid species.

Onthophagus (Onthophagus) calchas Balthasar, 1967

Onthophagus (s. str.) *calchas* Balthasar, 1967a: 61, Fig. 2.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♀): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 9.1.1964. No. 616 / meat trap / on savannah / leg. Endrődy-Younga [p] // *Onthophagus* / calchas n.sp. / Balthasar / ♀ 66 [hw] / Paratypus [p, pink label]'.

Current status. Valid species.

Onthophagus caucanus Balthasar, 1939

Onthophagus caucanus Balthasar, 1939a: 45.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): ‘Cauca-Tal / Columbien [p] // typus [p, red label, black frame] // Mus. Nat. Pragae / Inv. [p] 26229 [hw, orange label] // SEM [p, yellow label] // caucanus m. [hw, green label] // *Onthophagus / rufaticollis / d’Orb.* [hw] / dét. F. Génier 2003 [p]’.

Current status. Junior subjective synonym of *Onthophagus rufaticollis* d’Orbigny, 1904, see GÉNIER (2003).

Remark. According to GÉNIER (2003), the holotype of *O. caucanus* is mislabeled and it was collected in subsaharan Africa.

Onthophagus (Phanaeomorphus) cernyi Balthasar, 1935

Onthophagus (Phanaeomorphus) Černýi Balthasar, 1935b: 312, Fig. 4.

Four syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): ‘Tatsienlu Dsaschi / Szechuan China [p] // O. černýi m. / Typ. [hw] / Dr. V. Balthasar det. [p] // Typus [p, red label, black frame]’.

SYNTYPE (♀): ‘Giufu Shan / Szechuan 1500 - / 2000 m. Reitter E. [p] // Typus [p, red label, black frame] // O. černýi m. / Typ. [hw] / Dr. V. Balthasar det. [p]’.

SYNTYPE (♂): ‘Japan [hw] // O. černýi m. / Typ. [hw] / Dr. V. Balthasar det. [p] // Typus [p, red label, black frame]’.

SYNTYPE (♂): ‘O. černýi m. / Typ. [hw] / Dr. V. Balthasar det. [p] // Typus [p, red label, black frame]’.

Current status. *Onthophagus (Phanaeomorphus) ater cernyi* Balthasar, 1935, see BALTHASAR (1963d) and KABAKOV & NAPOLOV (1999).

Onthophagus (Onthophagus) chremes Balthasar, 1969

Onthophagus (s. str.) *chremes* Balthasar, 1969: 380, Fig. 16.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘NEU GUINEA / Papua, X.54 / Port Moresby [hw] // *Onthophagus / chremes* n.sp. / Balthasar / ♂ [hw] / Holotypus [p] 66 [hw, ochreous label]’.

Current status. Valid species.

Onthophagus cicatricosus Balthasar, 1935

Onthophagus cicatricosus Balthasar, 1935b: 317.

Three syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (unsexed specimen): ‘Tatsienlu / Yüling Süd [p] // Szechuan China [p] // Typus [p, red label, black frame] // O. cicatricosus / Typ. m. [hw] / Dr. Balthasar det. [p]’.

SYNTYPES (2 unsexed specimens): ‘Nitou Tatsienlu / Szechuan China [p] // Typus [p, red label, black frame] // O. cicatricosus / Typ. m. [hw] / Dr. Balthasar det. [p]’.

Current status. Junior subjective synonym of *Onthophagus (Gibbonthophagus) atripennis* Waterhouse, 1875, see, e.g., BALTHASAR (1963d) and KABAKOV (2006).

Onthophagus (Onthophagus) cicer Balthasar, 1964

Onthophagus (s. str.) *cicer* Balthasar, 1964b: 297.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Abyssinia / Kovács [p] // Vallis / Erer [p] // *Onthophagus* (s. str.) / *cicer* n. sp. / ♂ Balth. 63 [hw] / Holotypus [p, pink label]’.

Current status. Valid species.

***Onthophagus (Onthophagus) concursator* Balthasar, 1960**

Onthophagus (s. str.) *conkursator* Balthasar, 1960: 91.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Poo, N. Ind. / Ghoppab. v. [badly readable, hw] / Sütlei-Raß. [hw] // *Onthophagus* / (s. str.) *conkursator* n. sp. Balth. / ♂ [hw] Holotypus [p] 60 [hw, pink label] // Coll. Reitter [p]’.

Current status. Junior subjective synonym of *Onthophagus (Palaeonthophagus) sutleinensis* Splichal, 1910, see KABAČOV (2006).

***Onthophagus conradi* Balthasar, 1937**

Onthophagus conradi Balthasar, 1937a: 193.

Two syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (unsexed specimen): ‘Afr. or. / Victoria N. / Ukerewe [hw] // TYPUS [p, red label] // *Onthophagus conradi* n.sp. m. [hw] // Dr. V. Balthasar det. [p] // *conradi* / m [hw, orange label]’.

SYNTYPE (unsexed specimen): ‘Tanganjika / Ukerewe [hw] // TYPUS [p, red label]’.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus (Onthophagus) crantor* Balthasar, 1967**

Onthophagus (s. str.) *crantor* Balthasar, 1967a: 57, Fig. 2.

Two paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): ‘Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 9.1.1964. No. 617 / excrement trap / on savannah / leg. Endrödy-Younga [p] // *Onthophagus crantor* n. sp. / ♂ Balthasar 66 [hw] / Paratypus [p, pink label]’.

PARATYPE (♂): ‘Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 9.1.1964. No. 617 / excrement trap / on savannah / leg. Endrödy-Younga [p] // *Onthophagus crantor* n. sp. / ♀ Balthasar 66 [hw] / Paratypus [p, pink label]’.

Current status. Valid species.

***Onthophagus (Onthophagus) cratippus* Balthasar, 1969**

Onthophagus (s. str.) *cratippus* Balthasar, 1969: 368, Fig. 6.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Neu Guinea / (Irian) [hw] // *Onthophagus cratippus* n.sp. / Balthasar / ♂ [hw] Holotypus [hw] / 66 [hw, ochreous label]’.

Current status. Valid species.

***Onthophagus (Onthophagus) decens* Balthasar, 1964**

Onthophagus (s. str.) *decens* Balthasar, 1964b: 293.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): ‘Togo / Amedzowe [p] // Dobiaseh 1947 [p] // *Onthophagus* / (s. str.) *decens* / n. sp. Balth. / ♀ [hw] Holotypus [p] 64 [hw, pink label]’.

Current status. Valid species.

Remark. TAGLIAFERRI et al. (2012) indicated its possible placement in the subgenus *Bicornonthophagus* Tagliaferri & Moretto, 2012.

***Onthophagus (Onthophagus) dicax* Balthasar, 1966**

Onthophagus (s. str.) *dicax* Balthasar, 1966b: 45.

The holotype and one paratype (the allotype) are deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Tanganyika / Dr. Szunyogh [p] // Laiverero / 22.I.1960 [p] // *Onthophagus / dicax* n. sp. / 65 Balth. ♂ [hw] / Holotypus [p, pink label]’.

PARATYPE (♂): ‘Tanganyika / Dr. Szunyogh [p] // Laiverero / 22.I.1960 [p] // *Onthophagus / dicax* n. sp. / 65 Balth. ♀ [hw] / Allotypus [p, pink label]’.

Current status. Valid species.

***Onthophagus dicranioides* Balthasar, 1939**

Onthophagus dicranioides Balthasar, 1939a: 43.

Two syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): ‘W Ecuador / Pucay / F. Ohaus S. [p] // Bucay 300 m / F. Ohs. 12.6.05 [p] // P.G. 3349 / Canada balsam / M. Zunino 1980 [hw] // TYPUS [p, red label, black frame] // *Onthophagus / dicranioides* [hw] / Dr. V. Balthasar det. [p] // Mus. Nat. Pragae / Inv. [p] 26326 [hw, orange label] // *dicranioides* m. [hw, green label, black frame]’.

SYNTYPE (♀): ‘Bucay 300 m / F. Ohs. 12.6.05 [p] // P.G. 3346 / Canada balsam / M. Zunino 1980 [hw] // TYPUS [p, red label, black frame] // *Onthophagus / dicranioides* [hw] / Dr. V. Balthasar det. [p] // Mus. Nat. Pragae / Inv. [p] 26327 [hw, orange label]’.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus (Onthophagus) dissentaneus* Balthasar, 1964**

Onthophagus (s. str.) *dissentaneus* Balthasar, 1964b: 289.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Kunmin / China 61 / lgt. Skopec [hw] // *Onthophagus / (s. str.) dissen- / taneus* n. sp. / ♂ Balth. [hw] / Holotypus [p, ochreous label]’.

Current status. Valid species.

***Onthophagus (Onthophagus) dlabolai* Balthasar, 1964**

Onthophagus (s. str.) *dlabolai* Balthasar, 1964b: 290.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Africa or. / Katona [p] // Arusha-Ju / 1905. XII. [p] // *Onthophagus* (s.str.) / *dlabolai* n.sp. / ♂ Balth. 63 [hw] / Holotypus [p, orange label]’.

Current status. Valid species.

***Onthophagus durangoensis* Balthasar, 1939**

Onthophagus durangoensis Balthasar, 1939a: 45.

Two syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (unsexed specimen): ‘DURANGO / Canelas / R. Becker S. [p] // Typus [p, red label, black frame] // *Onthophagus / durangoensis* n. sp. [hw] / Dr. V. Balthasar det. [p] // Mus. Nat. Pragae / Inv. 26329 [hw, orange label]’.

SYNTYPE (unsexed specimen): 'DURANGO / Canelas / R. Becker S. [p] // Typus [p, red label, black frame] // Onthophagus / durangoensis / n. sp. [hw] / Dr. V. Balthasar det. [p] // Mus. Nat. Pragae / Inv. 26328 [hw, orange label] // durangoensis / m. [hw, green label] // Zunino 2004: / valid name / syn: O. mexi- / exus H. & C. / 1970, nomen / novum pro / O. monticolus / H. & C. 1963 [hw]'.

Current status. Valid species; not assigned to any subgenus.

Onthophagus (Onthophagus ?) eliptaminus Balthasar, 1969

Onthophagus (s. str. ?) *eliptaminus* Balthasar, 1969: 375, Fig. 12.

Five paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPES (4 ♂♂): 'NEW GUINEA: NE. / Eliptamin Valley / 1200-1300 m. / July 1-15, 1959 [p] // W. W. Brandt / Collector / BISHOP [p] // Onthophagus / eliptaminus / n.sp. Balthasar / ♂ [hw] Paratypus [p] 66 [hw, ochreous label]'.

PARATYPE (♀): 'NEW GUINEA: NE. / Eliptamin Valley / 1200-1300 m. / July 1-15, 1959 [p] // W. W. Brandt / Collector / BISHOP [p] // Onthophagus / eliptaminus / n.sp. Balthasar / ♀ [hw] Paratypus [p] 66 [hw, ochreous label]'.

Current status. Valid species.

Onthophagus evae Balthasar, 1944

Onthophagus evae Balthasar, 1944: 92.

Two syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'Manow / D. O. Afr. [p] // Onthophagus / evae m. Typ. [hw] // Dr. V. Balthasar det. [p] // Typus [p, red label] // Onthophagus / evae Balth. [hw, pink label]'.

SYNTYPE (♀): 'Upangwa / D. O. Afr. [p] // Onthophagus / evae m. Typ. [hw] // Dr. V. Balthasar det. [p] // Typus [p, red label]'.

Current status. Valid species; not assigned to any subgenus.

Onthophagus (Onthophagus) falcarius Balthasar, 1966

Onthophagus (s. str.) *falcarius* Balthasar, 1966b: 46.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'Tanga, Amboni-Caves [hw] / 4.9.1948, A. Holm leg. [hw] // Onthophagus / falcarius n. sp. / ♀ Balthasar / 65 Holo [hw] Holotypus [p, pink label]'.

Current status. Valid species.

Onthophagus frankenbergeri Balthasar, 1933

Onthophagus frankenbergeri Balthasar, 1933b: 49.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Pondichery [hw] // Typus [p, red label, black frame] // Onthophagus / Frankenbergeri / Typ! m. [hw] // Dr. Balthasar det. [p]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus (Onthophagus) geryon* Balthasar, 1969**

Onthophagus (s. str.) *geryon* Balthasar, 1969: 376, Fig. 13.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'NEW GUINEA: NETH. / Waris, S. of / Hollandia, 450-500m / VIII-16-23-1959 [p] // T. C. Maa / Collector / BISHOP [p] // *Onthophagus* / *geryon* n.sp. / ♂ Balthasar [hw] / Paratypus [p] 66 [hw, ochreous label]'.

Current status. Valid species.

***Onthophagus (Onthophagus) ghanensis* Balthasar, 1966**

Onthophagus (s. str.) *ghanensis* Balthasar, 1966b: 50.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'WEST-AFRICA / Ghana [hw] // *Onth.* (s. str.) / *ghanensis* n.sp. / 66 Balthasar ♂ [hw] / Holotypus [p] // Mus. Nat. Pragae / Inv. [p] 65875 [hw, red label]'.

Current status. Valid species.

***Onthophagus (Onthophagus) gradivus* Balthasar, 1966**

Onthophagus (s. str.) *gradivus* Balthasar, 1966b: 52.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'Tanganyika / Dr. Szunyogh [p] // Laiverero / 22. I. 1960. [p] // *Onthophagus* / *gradivus* n.sp. / Balthasar / ♂ [hw] Paratypus [p] 66 [hw, ochreous label]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus gravearmatus* Balthasar, 1944**

Onthophagus gravearmatus Balthasar, 1944: 91.

Two syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'Somalia / OBBIA / 1924 [hw] // Stefanini / e / Puccioni [hw] // TYPUS [p, red label] // *Onthophagus* / *gravearmatus* / typ [hw] / Dr. V. Balthasar det. [p] // *Onthophagus* m. / *gravearmatus* [hw, pink label]'.

SYNTYPE (♂): 'Somalia / OBBIA / 1924 [hw] // Stefanini / e / Puccioni [hw] // TYPUS [p, red label] // *Onthophagus* / *gravearmatus* / m. typ [hw] / Dr. V. Balthasar det. [p]'.

Current status. Valid species; not assigned to any subgenus.

Remark. TAGLIAFERRI et al. (2012) indicated its possible placement in the subgenus *Bicornonthophagus* Tagliaferri & Moretto, 2012.

***Onthophagus heyrovskyi* Všeťka, 1944**

Onthophagus Heyrovskýi Všeťka, 1944: 176.

Two syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'Onthophagus / Heyrovskýi m. [hw] / det. Dr. Všeťka [p] // ♂ [p] // Typus [p, red label] // Chung King / Szechwan / China centralis / Coll. Mus. Pragae [p] // M. ZUNINO [p] / 1971 [hw] / INDICIT [p]'.

SYNTYPE (♀): '♀ [p] // Typus [p, red label] // Chung King / Szechwan / China centralis / Coll. Mus. Pragae [p] // M. ZUNINO [p] / 1971 [hw] / INDICIT [p]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus (Onthophagus) hoberlandti* Balthasar, 1966**

Onthophagus (s. str.) *hoberlandti* Balthasar, 1966b: 48.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Java [hw] // Onthoph. (s. str.) / hoberlandti / n.sp. Balthasar [hw] / Holotypus [p] 66 [hw, pink label]'.

Current status. Valid species.

***Onthophagus horni* Balthasar, 1935**

Onthophagus Horni Balthasar, 1935b: 314.

Four syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPES (2 unsexed specimens): 'Nitou Tatsienlu / Szechuan China [p] // TYPUS [p, red label, black frame] // O. horni m. / Typ. [hw] / Dr. V. Balthasar det. [p]'.

SYNTYPE (unsexed specimen): 'Nitou Tatsienlu / Szechuan China / Em. Reitter [p] // TYPUS [p, red label, black frame] // O. horni m. / Typ. [hw] / Dr. V. Balthasar det. [p]'.

SYNTYPE (unsexed specimen): 'Tatsienlu Dsaschi / Szechuan China / Em. Reitter [p] // TYPUS [p, red label, black frame] // O. horni m. / Typ. [hw] / Dr. V. Balthasar det. [p]'.

Current status. *Onthophagus (Parascatonomus) horni* Balthasar, 1935, see KABAKOV (1992).

***Onthophagus (Onthophagus) horribilis* Balthasar, 1969**

Onthophagus (s. str.) *horribilis* Balthasar, 1969: 367, Fig. 5.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'NEW GUINEA: NETH. / VOGELKOP: Bomberi / 700-900m, VI-7-59 [p] // T. C. Maa / Collector / BISHOP [p] // Onthophagus / horribilis / n.sp. Balthasar / ♂ [hw] Paratypus [p] 66 [hw, ochreous label]'.

Current status. Valid species.

***Onthophagus hrubanti* Balthasar, 1955**

Onthophagus hrubanti Balthasar, 1955: 414.

Seven paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'J. Klapperich / Sarobi, 900 m, am / Kabulfluß, 12.6.52 / O. Afghanistan [p] // Onthophagus / hrubanti n. sp. / Balth. [hw] / Paratypus [p, pink label] // Mus. nat. Pragae / Inv. [p] 65 835 [hw, red label] // Onthophagus ♂ / ramosellus Bat. / Kabakov det. 1986 [hw] // Onthophagus (Colob.) / ramosellus BAT. [p] ♂ [hw] / J. SCHEUERN det. 1996 [p] // hrubanti Balth. / syn. nov. 96 [hw] / J. SCHEUERN det. [p]'.

PARATYPE (♀): 'J. Klapperich / Sarobi, 900 m, am / Kabulfluß, 12.6.52 / O. Afghanistan [p] // Onthophagus / hrubanti / n. sp. Balth. [hw] / Paratypus [p, pink label] // Mus. nat. Pragae / Inv. [p] 65 833 [hw, red label] // Onthophagus ♀ / ramosellus Bat. / Kabakov det. 1986 [hw] // Onthophagus (Colob.) / ramosellus BAT. [p] ♀ [hw] / J. SCHEUERN det. 1996 [p] // hrubanti Balth. / syn. nov. 96 [hw] / J. SCHEUERN det. [p]'.

PARATYPE (♀): 'J. Klapperich / Sarobi, 900 m, am / Kabulfluß, 12.6.52 / O. Afghanistan [p] // Onthophagus / hrubanti n. sp. / Balth. [hw] / Paratypus [p, pink label] // Mus. nat. Pragae / Inv. [p] 65 831 [hw, red label] // Onthophagus (Colob.) / ramosellus BAT. [p] ♀ [hw] / J. SCHEUERN det. 1996 [p] // hrubanti Balth. / syn. nov. 96 [hw] / J. SCHEUERN det. [p]'.

PARATYPE (♀): 'J. Klapperich / Sarobi, 900 m, am / Kabulfluß, 12.6.52 / O. Afghanistan [p] // Onthophagus / hrubanti n. sp. / ♀ Balth. [hw] / Paratypus [p, pink label] // Mus. nat. Pragae / Inv. [p] 65 834 [hw, red label] //

Onthophagus (Colob.) / *ramosellus* BAT. [p] ♀ [hw] / J. SCHEUERN det. 1996 [p] // *hrubanti* Balth. / syn. nov. 96 [hw] / J. SCHEUERN det. [p]’.

PARATYPE (♀): ‘J. Klapperich / Sarobi, 900 m, am / Kabulfluß, 12.6.52 / O. Afghanistan [p] // *Onthophagus* / *hrubanti* n. sp. / ♀ Balth. [hw] / Paratypus [p, pink label] // Mus. nat. Pragae / Inv. [p] 65 832 [hw, red label] // *Onthophagus* (Colob.) / *ramosellus* BAT. [p] ♀ [hw] / J. SCHEUERN det. 1996 [p] // *hrubanti* Balth. / syn. nov. 96 [hw] / J. SCHEUERN det. [p]’.

PARATYPES (2 unsexed specimens): ‘J. Klapperich / Sarobi, 900 m, am / Kabulfluß, 12.6.52 / O. Afghanistan [p]’.

Current status. Junior subjective synonym of *Onthophagus* (*Colobonthophagus*) *ramosellus* Bates, 1891, see KABAKOV (2006).

Onthophagus (*Onthophagus*) *incantatus* Balthasar, 1967

Onthophagus (s. str.) *incantatus* Balthasar, 1967b: 2.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): ‘Tanganyika / Mt. Meru / Momella, 1600-1800 m [p] / 27. 5. 64 [hw] / leg. W. Forster [p] // *Onthophagus* / (s. str.) ♂ / *incantatus* / n. sp. Balth. / 65 [hw] Paratypus [p, pink label]’.

Current status. Valid species.

Onthophagus *inelegans* Balthasar, 1935

Onthophagus *inelegans* Balthasar, 1935b: 315.

Three syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPES (3 unsexed specimens): ‘Nitou Tatsienlu / Szechuan China [p] // TYPUS [p, red label, black frame] // O. *inelegans* / Typ. m. [hw] / Dr. V. Balthasar det. [p]’.

Current status. *Onthophagus* (*Altonthophagus*) *inelegans* Balthasar, 1935, see KABAKOV (1990).

Onthophagus (*Onthophagus*) *irianus* Balthasar, 1969

Onthophagus (s. str.) *irianus* Balthasar, 1969: 364, Fig. 2.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Nova-Guinea / Irian / Tanahmerah / VI. 1964 [hw] // *Onthophagus* / *irianus* n. sp. / ♂ Balthasar 66 [hw] Holotypus [p, ochreous label]’.

Current status. Valid species.

Onthophagus (*Onthophagus*) *ivae* Balthasar, 1963

Onthophagus (s. str.) *ivae* Balthasar, 1963b: 92.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (unsexed specimen): ‘Formosa / Sauter [p] // Polisha / 1908. [p] VII. [hw] // *Onthophagus* / *ivae* n.sp. / 62 Balth. [hw] / Holotypus [p, pink label]’.

Current status. Junior subjective synonym of *Onthophagus* (*Matashia*) *yubarinus* (Matsumura, 1937), see MASUMOTO (2002) and OCHI (2003).

***Onthophagus jalapensis* Balthasar, 1939**

Onthophagus jalapensis Balthasar, 1939a: 46.

One syntype is deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (unsexed specimen): 'MEXICO / Jalapa Höge [p // Typus [p, red label, black frame] // *Onthophagus* / *jalapensis* / n.sp. [hw] / Dr. V. Balthasar det. [p] // Mus. Nat. Pragae / Inv. [p] 26325 [hw, orange label] // *jalapensis* m. [hw, green label] // *Onthophagus* / *rufescens* Bates / Det. B.D. Gill '95 [p]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus kabulicus* Balthasar, 1971**

Onthophagus kabulicus Balthasar, 1971: 56.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'Afghanistan / Kabul [hw] // *Onthophagus* / *kabulicus* / n. sp. Balth. / ♀ [hw] Holotypus [p, ochreous label] // *Onth.* (*Palaeonthophagus*) / *conspersus* Rtt. m. / *kabulicus* Balth. ♀ / Kabakov det [hw]'.

Current status. Junior subjective synonym of *Onthophagus* (*Palaeonthophagus*) *conspersus* Reitter, 1892, see KABAKOV (2006).

***Onthophagus* (*Onthophagus*) *kashmirensis* Balthasar, 1966**

Onthophagus (s. str.) *kashmirensis* Balthasar, 1966b: 47.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'Poo / Kashmir [p] // *Onthophagus* / (s. str.) / *kashmirensis* / n. sp. Balth. / 66 [hw] Holotypus [p, ochreous label]'.

Current status. Valid species.

***Onthophagus* (*Onthophagus*) *kaszabi* Balthasar, 1963**

Onthophagus (s. str.) *kaszabi* Balthasar, 1963b: 91.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'Uralsk / Reitter [p] // Coll. Reitter [p] // *Onthophagus* / (s. str.) *kaszabi* / n.sp. Balth. / ♂ [hw] / Paratypus [p] 62 [hw, orange label] // *Onth.* / *vitulus* (F.) ♂ min. [hw] / SCHEUERN det. [p] 96 [hw] // *Onthophagus* / (*Palaeonthophagus*) / *vitulus* (Fabricius, 1776) / det. S. Ziani 2004 [p]'.

Current status. Junior subjective synonym of *Onthophagus* (*Palaeonthophagus*) *vitulus* (Fabricius, 1776), see KABAKOV (1982) and ZIANI & GUDENZI (2006).

***Onthophagus klapperichi* Balthasar, 1952**

Onthophagus klapperichi Balthasar, 1952b: 228.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'Kuatun (2300m) 27,40n.Br. / 117,40ö.L. J. Klapperich / 21.6. 1938 (Fukien) [p, violet label] // Typus [hw, red label] // *Onthophagus* / *klapperichi* / n.sp. [hw] / Dr. V. Balthasar det. [p]'.

Current status. *Onthophagus* (*Parascatonomus*) *klapperichi* Balthasar, 1952, see LÖBL et al. (2006).

***Onthophagus kleinei* Balthasar, 1935**

Onthophagus Kleinei Balthasar, 1935b: 314.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): ‘Nitou Tatsienlu / Szechuan China [p] // Typus [p, red label, back frame] // O. Kleinei m. / Typ! [hw] / Dr. Balthasar det. [p]’.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus komareki* Balthasar, 1935**

Onthophagus Komáreki Balthasar, 1935b: 316.

One syntype is deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (unsexed specimen): ‘Tatsienlu / Yüling Süd / Szechuan China [p] // TYPUS [hw, red label] // O. Komáreki / Typ! m. [hw] / Dr. Balthasar det. [p]’.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus koshunensis* Balthasar, 1941**

Onthophagus koshunensis Balthasar, 1941c: 183.

One syntype is deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (unsexed specimen): ‘Kankau (Koshun) / Formosa / H. Sauter [p] IX [hw] 1912 [p] // Onthophagus / koshunensis / n.sp. Typ. [hw] / Dr. V. Balthasar det. [p] // Typus [p, red label, black frame]’.

Current status. *Onthophagus* (*Indachorius*) *koshunensis* Balthasar, 1941, see, e.g., BALTHASAR (1963d).

***Onthophagus (Onthophagus) králi* Balthasar, 1963**

Onthophagus (s. str.) *králi* Balthasar, 1963d: 603.

The holotype and one paratype are deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Elisabethpol / Reitter [p] // Onthophagus / králi n.sp. / 63 Balth. [hw] / Holotypus [p, orange label] // Onthophagus / (Palaeonthophagus) / ponticus Harold, 1883 / det. S. Ziani 2004 [p]’.

PARATYPE (♂): ‘Elisabethpol / Reitter [p] // Onthophagus / králi n.sp. / ♂ Balth. 63 [hw] / Paratypus [p, orange label] // Onthophagus / (Palaeonthophagus) / ponticus Harold, 1883 / det. S. Ziani 2004 [p]’.

Current status. Junior subjective synonym of *Onthophagus (Palaeonthophagus) ponticus* Harold, 1883, see ZIANI & GUDENZI (2006).

***Onthophagus (Onthophagus) krysai* Balthasar, 1967**

Onthophagus (s. str.) *krysai* Balthasar, 1967b: 4.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘AFR. occ. Guinea / Kisidouougou / Dr. E. Krýsa lgt. [p] // Onthophagus / Krýsai n.sp. / ♂ Balth. [hw] / Holotypus [p, pink label] // Mus. Nat. Pragae / Inv. [p] 65119 [hw, red label] // Holotypus / Onthophagus / kysai [sic!] Balthasar 1967 [hw] // = *Pseudosaproecius / portentosus* (Felsche) / (Cambefort, 1976) [hw] / DET. / T. Branco [p] 1990 [hw]’.

Current status. *Pseudosaproecius krysai* (Balthasar, 1967), see CAMBEFORT (1976).

***Onthophagus kuatunensis* Balthasar, 1942**

Onthophagus kuatunensis Balthasar, 1942b: 120.

Two syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (unsexed specimen): 'Kuatun (2300m) 27,40n.Br. / 117,40ö.L. J. Klapperich [p] / 6.5. [hw] 1938 (Fukien) [p, violet label] // Typus [p, red label, black frame] // *Onthophagus / kuatunensis / n.sp.* Typus! [hw] / Dr. V. Balthasar det. [p]'.

SYNTYPE (unsexed specimen): 'China. / Prov. Yunnan. / Vallis flumin. / Soling - ho. [p] // Typus [p, red label, black frame] // *Onthophagus / kuatunensis / n.sp.* Typ [hw] / Dr. V. Balthasar det. [p]'.

Current status. *Onthophagus (Parascatonomus) kuatunensis* Balthasar, 1942, see KABAČOV (1992).

***Onthophagus kulti* Balthasar, 1952**

Onthophagus kulti Balthasar, 1952b: 227.

Two paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'KUATUN, FUKIEN / China [p] 8. 7. [hw] 46 / (TSCHUNG SEN.) [p] // *Onthophagus / kulti n.sp.* / Typus [hw] / Dr. V. Balthasar det. [p] // Typus [p, red label, black frame]'.

PARATYPE (unsexed specimen): 'KUATUN, FUKIEN / China [p] 4. 6. [hw] 46 / (TSCHUNG SEN.) [p] // *Onthophagus / kulti n.sp.* [hw] / Dr. V. Balthasar det. [p] // Typus [p, red label, black frame]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus (Onthophagus) labdacus* Balthasar, 1969**

Onthophagus (s. str.) *labdacus* Balthasar, 1969: 381, Figs 17, 18.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Neu-Guinea / Irian (1956) / Mamberamo-Tal [hw] // *Onthophagus / labdacus / n.sp.* Balthasar / ♂ [hw] Holotypus [p] 66 [hw, ochreous label]'.

Current status. Valid species.

***Onthophagus (Euonthophagus) laghmanicus* Kabakov, 1977**

Onthophagus (Euonthophagus) laghmanicus Kabakov, 1977: 386, Figs 15, 16, 34–36.

Two paratypes are deposited in NMPC (ex coll. D. Král):

PARATYPE (♂): 'Afghan. Laghman / Šamakat 00m / 31.3. 1972 Kabakov [hw] // Paratype [hw, red label] // O. (*Euonthophagus*) / *laghmanicus / ♂* Kabakov [hw]'.

PARATYPE (♀): 'Afghan. Laghman / Šamakat 00m / 7.4. 1972 Kabakov [hw] // Paratype [hw, red label] // O. (*Euonthophagus*) / *laghmanicus ♀* / Kabakov [hw]'.

Current status. *Euonthophagus laghmanicus* (Kabakov, 1977), see LÖBL et al. (2006).

***Onthophagus (Onthophagus) lassulus* Balthasar, 1964**

Onthophagus (s. str.) *lassulus* Balthasar, 1964b: 291.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Montes / Kamerun [p] // *Onthophagus* (s.str.) / *lassulus* / ♂ n.sp. Balth. [hw] // Holotypus [p, orange label]'.

Current status. Valid species.

Onthophagus (Onthophagus) lefiniensis Balthasar, 1967

Onthophagus (s. str.) *lefiniensis* Balthasar, 1967a: 56.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / bungalow near Mpo [p] // 7.1.1964. No. 598 / meat trap / on savannah / leg. Endrődy-Younga [p] // *Onthophagus* / *lefiniensis* / n.sp. Balthasar / ♂ 66 [hw] / Paratypus [p, pink label]'.

Current status. Valid species.

Onthophagus lojanus Balthasar, 1939

Onthophagus lojanus Balthasar, 1939a: 44.

Two syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'Loja Ostcordill. / Sabanilla / Arsen 5.10.05 [p] // P.G. 3344 / Canada balsam / M. Zunino 1980 [hw] // TYPUS [p, red label, black frame] // *Onthophagus* / *lojanus* n. sp. [hw] / Dr. V. Balthasar det. [p] // Mus. Nat. Pragae / Inv. [p] 26224 [hw, orange label] // *lojanus* m. [hw, green label, black frame]'.

SYNTYPE (♀): 'Loja Ostcordill. / Sabanilla / F. Ohs. 29.9.05 [p] // P.G. 3343 / Canada balsam / M. Zunino 1980 [hw] // TYPUS [p, red label, black frame] // *Onthophagus* / *lojanus* n. sp. [hw] / Dr. V. Balthasar det. [p] // Mus. Nat. Pragae / Inv. [p] 26223 [hw, orange label]'.

Current status. Valid species; not assigned to any subgenus.

Onthophagus (Onthophagus) ludicrus Balthasar, 1969

Onthophagus (s. str.) *ludicrus* Balthasar, 1969: 369, Fig. 7.

Fifteen paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPES (2 ♂♂): 'NEW GUINEA: PAPUA / Normanby I. / Wakaiuna, Sewa Bay / Nov. 21-30-1956 [p] // W. W. Brandt / Collector [p] // *Onthophagus* / *ludicrus* n.sp. / Balthasar / 66 [hw] Paratypus [p] ♂ [hw, ochreous label]'.

PARATYPE (♀): 'NEW GUINEA: (NE) / Wau, Morobe Distr. / 1300m, 21.VIII.1961 [p] // J. Sedlacek / Collector / BISHOP [p] // *Onthophagus* / *ludicrus* n.sp. / Balthasar / ♀ [hw] Paratypus [p] 66 [hw, ochreous label]'.

PARATYPE (♀): 'NEW GUINEA: NE. / Finisterre Range / Saidor: Gabumi / Vill. VI-24-30-'58 [p] // W. W. Brandt / Collector [p]'.

PARATYPES (1 ♂ 1 ♀): 'NEW GUINEA (NE) / Bulolo, 1010 m. / Aug. 21, 1956 [p] // E. J. Ford, Jr. / Collector [p]'.

PARATYPES (2 ♂♂): 'N. Guinea / Biró 96 [p] // Friedrich- / Wilh.-hafen [p]'.

PARATYPES (4 unsexed specimens): 'N. Guinea / Biró 96 [p] // Erima / Astrolabe B. [p]'.

PARATYPES (3 unsexed specimens): 'N. Guinea / Biró 1901 [p] // Friedrich- / Wilh.-hafen [p]'.

Current status. Valid species.

Onthophagus (Onthophagus) malevolus Balthasar, 1964

Onthophagus (s. str.) *malevolus* Balthasar, 1964b: 299.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Nord-Rhodesia / Kaarta / XI. 33 [hw] // *Onthophagus* (s. str.) / malevolus / ♂ n. sp. Balth. [hw] / Holotypus [p] 63 [hw, pink label]’.

Current status. Valid species.

Onthophagus (Onthophagus) mankonoensis Balthasar, 1966

Onthophagus (s. str.) *mankonoensis* Balthasar, 1966a: 245.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Côte d’Ivoire / Mankono [hw] // *Onthophagus* / *mankonoensis* / ♂ n. sp. Balthasar 65 [hw] / Holotypus [p, pink label] // Nat. Mus. Pragae / Inv. 65876 [hw, red label] // *Onthophagus* ♂ / *mocquerysi* d’Orb. / det. Krell 2002 [hw]’.

Current status. Valid species.

Remark. KRELL (2003) synonymized it with *Onthophagus mocquerysi* d’Orbigny, 1902. Later on, MORETTO & GÉNIER (2010) reestablished it as a valid species.

Onthophagus (Onthophagus) mimikanus Balthasar, 1969

Onthophagus (s. str.) *mimikanus* Balthasar, 1969: 383.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): ‘Neu - Guinea / Irian (1956) / Mimika [hw] // *Onthophagus* / *mimikanus* n.sp. / Balthasar / ♂ 66 [hw] / Holotypus [p, ochreous label]’.

Current status. Valid species.

Remark. BALTHASAR (1969) reported the holotype as a male. Nevertheless, subsequent examination by KRIKKEN & HUIJBREGTS (2013) proved it was a female.

Onthophagus missor Balthasar, 1938

Onthophagus missor Balthasar, 1938: 97.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): ‘Vallis flumin. / Soling-ho, Yun. [p] // Typus [p, red label, black frame] // *Onthophagus* / *missor* Balth. [hw] / Dr. V. Balthasar det. [p]’.

Current status. *Onthophagus (Onthophagiellus) missor* Balthasar, 1938, see PALESTRINI (1982).

Onthophagus (Euonthophagus) mostafatsairii Petrovitz, 1980

Onthophagus (Euonthophagus) mostafa-tsairii Petrovitz, 1980: 599, Fig. 2.

Six paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPES (2 ♂♂ 2 ♀♀): ‘Shiraz, Süd-Iran / leg. Petrovitz [p] // PARATYPUS [p, red label] // *Onth. (Euonthoph.)* / *mostafa-tsairii* n. / Petrovitz [p, red label]’.

PARATYPES (1 ♂ 1 ♀): ‘Dasht-arjan / w. Shiraz, Iran / leg. Petrovitz [p] // PARATYPUS [p, red label] // *Onth. (Euonthoph.)* / *mostafa-tsairii* n. / Petrovitz [p, red label]’.

Current status. Junior secondary homonym and junior objective synonym of *Euonthophagus mostafatsairii* Palestirini, Varola & Zunino, 1979, see ZIANI (2006).

***Onthophagus nabeleki* Balthasar, 1939**

Onthophagus Náběleki Balthasar, 1939a: 43.

Five syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'W Ecuador / Guayanquil / F. Ohaus S. [p] // TYPUS [p, red label, black frame] // *Onthophagus / náběleki / n. sp.* [hw] / Dr. V. Balthasar det. [p] // Mus. Nat. Pragae / Inv. [p] 26225 [hw, orange label] // *náběleki m.* [hw, green label, black frame]'.

SYNTYPE (♂): 'S. Ecuador / Ciano M.W. [p] // TYPUS [p, red label, black frame] // Mus. Nat. Pragae / Inv. [p] 26226 [hw, orange label]'.

SYNTYPE (♀): 'S. Ecuador / Huairapongo / F. Ohs. 17.10.05 [p] // TYPUS [hw, red label] // *Onthophagus / náběleki n. sp.* [hw] / Dr. V. Balthasar det. [p] // Mus. Nat. Pragae / Inv. [p] 26227 [hw, orange label]'.

SYNTYPE (♀): 'Ecuador [p, green label] // TYPUS [p, red label, black frame] // *O. náběleki / n. sp.* [hw] / Dr. V. Balthasar det. [p] // Mus. Nat. Pragae / Inv. [p] 26228 [hw, orange label]'.

SYNTYPE (♂): 'W Ecuador / Huigra / F. Ohaus S. [p] // TYPUS [hw, red label] // *Onthophagus / náběleki n. sp.* [hw] / Dr. V. Balthasar det. [p]'.

Current status. Valid species; not assigned to any subgenus.

Type condition. The syntype from 'Huigra' is badly damaged. Its elytra and abdomen are missing.

***Onthophagus (Onthophagus) novaeirlandiae* Balthasar, 1969**

Onthophagus (s. str.) *novae-irlandiae* Balthasar, 1969: 361, Fig. 1.

Two paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'New Ireland / Lemkamin / 15. April 1962 / Noona Dan Exp. 61-62 [p] // *Onthophagus / novaeirlandiae* Balthasar / n. sp. / 65 [hw] Paratypus [p, ochreous label]'.

PARATYPE (♀): 'NEW BRITAIN / Silanga, Nakanai / Mts. 150 m. / July 23, 1956 [p] // E. J. Ford, Jr. / Collector [p] // *Onthophagus / novaeirlandiae / n.sp.* Balthasar / 66 / ♀ [hw] Paratypus [p, ochreous label]'.

Current status. Valid species.

***Onthophagus novaesealandiae* Balthasar, 1946**

Onthophagus novae sealandiae Balthasar, 1946c: 23.

Two syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'Neu Seeland / Museum Lübeck / Eing. Nr. 160, 1934 [p] // TYPUS [p, red label] // *Onthophagus / novaesea- / landiae n.sp.* [hw] // Dr. V. Balthasar det. [p] // *Onthophagus Balth. / novaesealandiae* [hw, violet label]'.

SYNTYPE (♂): 'Neu Seeland / Museum Lübeck / Eing. Nr. 160, 1934 [p] // TYPUS [p, red label] // *Onthophagus / novaesealan- / diae n.sp.* [hw] // Dr. V. Balthasar det. [p]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus nudifrons* Balthasar, 1939**

Onthophagus nudifrons Balthasar, 1939a: 46.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Süd-Mexico / C. Höge leg. / ded. 1. II. 1988 [p] // Coll. C. Felsche / Kauf. 20, 1918 [p, green label] // *Onthophagus / n. sp.* [hw] // Mus. Nat. Pragae / Inv. [p] 26231 [hw, orange label] // *Typus !* [hw, red label] // *nudifrons m.* [hw, green label, black frame]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus (Onthophagus) obenbergeri* Balthasar, 1965**

Onthophagus (s. str.) *obenbergeri* Balthasar, 1965: 319, Fig. 4.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Guinea / Niger geb. [hw, badly readable] / VI. 60 [hw] // *Onthophagus / obenbergeri / n.sp. Balth. / ♂ [hw] Holotypus [p] 60 [hw, ochreous label] // Dok. L. Mencl, 2008 / No.: 501 [p, green label]*’.

Current status. Valid species.

***Onthophagus obliviosus* Balthasar, 1935**

Onthophagus obliviosus Balthasar, 1935b: 317.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): ‘v. Bodemeyer / Tsining / Schantung, CHINA [p] // *O. obliviosus / Typ. Balth. [hw] // Typus [p, red label]*’.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus (Onthophagus) okahandjanus* Balthasar, 1974**

Onthophagus (s. str.) *okahandjanus* Balthasar, 1974: 184, Figs 1, 2.

The holotype and two paratypes (including the allotype) are deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘S.W. Afrika [p] / Okahandja / 13. X. [hw] 1952 / leg. F. Gaerdes [p] // *Onth. oka- / handjanus ♂ / Balth. / 72 [hw] Holotypus [p, pink label]*’.

PARATYPE (♀): ‘S.W. Afrika [p] / Okahandja / 13. X. [hw] 1952 / leg. F. Gaerdes [p] // *Onth. okahand- / janus ♀ Balth. / 72 [hw] Allotypus [p, pink label]*’.

PARATYPE (♂): ‘S.W. Afrika / Farm Okaundua / Post Okahandja [p] / 11.9. [hw] 1935 [p, blue label] // *Wolfg. Krieg leg. / Eing. Nr. 132, 1935 [p, blue label] // Onth. okahand- / janus ♀ Balth. / 72 [hw] Paratypus [p, pink label]*’.

Current status. Valid species.

***Onthophagus (Onthophagus) olidus* Balthasar, 1964**

Onthophagus (s. str.) *olidus* Balthasar, 1964b: 294.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): ‘Africa or. / Katona [p] / Shirati [p] / 1912-III [hw] // *Onthophagus (s. str.) / olidus n. sp. / ♀ Balth. 64 [hw] / Holotypus [p, pink label]*’.

Current status. Valid species.

Remark. TAGLIAFERRI et al. (2012) indicated its possible placement in the subgenus *Bicornonthophagus* Tagliaferri & Moretto, 2012.

***Onthophagus (Onthophagus) orientalis javaecola* Balthasar, 1959**

Onthophagus (s. str.) *orientalis* ssp. *javaecola* Balthasar, 1959

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Java [p] occ. [hw] // Onth. orientalis / ssp. javaecola / n. Balth. [hw] / Holotypus [p, violet label]'.

Current status. *Onthophagus (Onthophagus) javaecola* Balthasar, 1959, see MASUMOTO (1989).

***Onthophagus (Onthophagus) otjivarongus* Balthasar, 1967**

Onthophagus (s. str.) *otjivarongus* Balthasar, 1967b: 4.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♀): 'S.W.Afr., Abachaus / Otjiwarongo Distr. [p] / 20. 2. [hw] 1956 / leg. G. Hobohm [p] // Onthophagus / otjivarongus / n. sp. Balth. / 65 [hw] Paratypus [p, pink label]'.

Current status. Valid species.

***Onthophagus (Onthophagus) parafasciatus* Balthasar, 1974**

Onthophagus (s. str.) *parafasciatus* Balthasar, 1974: 182.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'Indien/Madras / Coimbatore / 1400 f. / leg. P.S. Nathan [p] X. [hw] / 1965 [p] // Onth. para- / fasciatus / ♀ Balth. [hw] / Holotypus [p, ochreous label] // Onthophagus / ? fasciatus / (F.) [hw] / S. Tarasov det. 2009 [p]'.

Current status. Valid species.

***Onthophagus (Onthophagus ?) parapedisequus* Balthasar, 1969**

Onthophagus (s. str. ?) *parapedisequus* Balthasar, 1969: 373, Fig. 10.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'NEW GUINEA (NE) / Edie Ck, 2000- / 2100m, 5.-10.X.1961 [p] // J.&J.H. Sedlacek / Collectors / BIS-HOP [p] // Onthophagus / parapedisequus / n.sp. Balthasar / ♂ [hw] Paratypus [p] 66 [hw, ochreous label]'.

Current status. Valid species.

***Onthophagus (Onthophagus) paraprotzenkoi* Tesař, 1967**

Onthophagus (s. str.) *paraprotzenkoi* Tesař, 1967: 137, Fig. 2.

Two paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 's. Issyk / Almaatins. / obl. VI-42 [hw, in Cyrillic script] // ONTH. / finschi Har. [hw] // Para- / typus [p, red label] // PARATYPUS [p] / Onthophagus / paraprotzenkoi / n. sp. ♂ [hw] / Dr. Tesař det. [p, red label]'.

PARATYPE (♀): 's. Issyk / Almaatins. / obl. VI-42 [hw, in Cyrillic script] // ONTH. / finschi Har. [hw] // Para- / typus [p, red label] // PARATYPUS [p] / Onthophagus / paraprotzenkoi / n. sp. ♀ [hw] / Dr. Tesař det. [p, red label]'.

Current status. Junior subjective synonym of *Onthophagus (Palaeonthophagus) finschi* Harold, 1877, see KABAKOV (1982).

***Onthophagus (Onthophagus) parcepilosus* Balthasar, 1966**

Onthophagus (s. str.) *parcepilosus* Balthasar, 1966a: 242.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'COLL. MUS. TERVUREN / Côte d'Ivoire: Andé / Bongouanou [p] // J. Decelle VI. 1962 [p] // Onthophagus / parcepilosus / n. sp. Balthasar / 65 [hw] Paratypus [p, pink label]'.

Current status. Valid species.

Onthophagus parisii Balthasar, 1941

Onthophagus parisii Balthasar, 1941d: 125, Fig. 5.

One syntype is deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (unsexed specimen): 'SOMALIA / VILL. DUCAABRUZZI [p] / VIII-1933 [hw] U. Fiechter [p] // TYPUS [p, red label] // Onthophagus / parisii m. Typ [hw] / Dr. V. Balthasar det. [p] // parisii / m. [hw, orange label]'.

Current status. Valid species; not assigned to any subgenus.

Onthophagus pauliani Balthasar, 1937

Onthophagus pauliani Balthasar, 1937c: 2.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Khasis [hw] // Coll. Kraatz [p] // Typus [p, red label, black frame] // Onthophagus / pauliani m. / Typ! [hw] / DR. V. BALTHASAR, DET. [p]'.

Current status. Valid species; not assigned to any subgenus.

Onthophagus (Onthophagus ?) pedisequus Balthasar, 1969

Onthophagus (s. str. ?) *pedisequus* Balthasar, 1969: 372, Figs 8, 9.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'NEW GUINEA: NE. / Eliptamin Valley / 1200-1300 m. / July 1-15, 1959 [p] // W. W. Brandt / Collector / BISHOP [p] // Onthophagus / pedisequus n.sp. / Balthasar ♂ / 66 [hw] Paratypus [p, ochreous label]'.

Current status. Valid species.

Onthophagus (Euonthophagus) pertinax Balthasar, 1959

Onthophagus (Euonthophagus) pertinax Balthasar, 1959: 187, Fig. 1.

The holotype and one paratype are deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'J. Klapperich / Bashgultal 1500 m / Kamu, Nuristan / 26.4.53, Afgh. [p] // Onthophagus / (Euonthophagus) pertinax ♀ / n. sp. Balth. [hw] / Holotypus [p, pink label] // // VIDIT [hw] / ZUNINO 1971 [p]'.

PARATYPE (♀): 'Afgh. 26.4.53 / Bashgultal / Nuristan / 1500 m [hw] // O. (Euonthoph.) / pertinax / ♀ Balth. [hw] // Paratypus [p, pink label] // VIDIT [hw] / ZUNINO 1971 [p]'.

Current status. *Euonthophagus pertinax* (Balthasar, 1959), see ZIANI (2006).

Onthophagus (Onthophagus) phrixus Balthasar, 1969

Onthophagus (s. str.) *phrixus* Balthasar, 1969: 377.

Three paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPES (2 unsexed specimens): 'NEW BRITAIN / Silanga, Nakanai / Mts. 150 m. / July 23, 1956 [p] // E. J. Ford, Jr. / Collector [p] // Onthophagus / phrixus n.sp. / Balthasar [hw] / Paratypus [p] / 66 [hw, ochreous label]'.

PARATYPE (unsexed specimen): 'NEW BRITAIN / Gazelle pen. / Bainings: St. / Paul's 350 m / Sept. 5, 1955 [p] // J. L. Gressitt / Collector [p] // *Onthophagus* / *phrixus* n.sp. / Balthasar [hw] / *Paratypus* [p] / 66 [hw, ochreous label]'.

Current status. Valid species.

Onthophagus (Strandius) procurvus Balthasar, 1935

Onthophagus (Strandius) procurvus Balthasar, 1935b: 309, Fig. 1.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Tatsienlu-Kiulung / China Em. Reitter [p] // Typus [p, red label, black frame] // *O. procurvus* / Typ! m. [hw] / Dr. V. Balthasar det. [p]'.

Current status. *Onthophagus (Phanaeomorphus) procurvus* Balthasar, 1935, see KABAKOV (1979).

Onthophagus pseudoarmatus Balthasar, 1944

Onthophagus pseudoarmatus Balthasar, 1944: 93.

Ten syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'Shaowu - Fukien / (500m) J. Klapperich / 30. 10. 1937 [p, violet label] // Typus [p, red label, black frame] // Mus. Nat. Pragae / Inv. [p] 65 837 [hw, red label] // Comp. with / TYPE 96 [hw, red label] // *Onth. pseudo-* / *armatus* n. sp. [hw] / Dr. V. Balthasar [p] // *O. (Colobonthophagus) / armatus* BL. ♂ [hw] / J. SCHEUERN det. 1996 [p] // *pseudoarmatus* / syn. nov. Balth. [hw] / J. SCHEUERN det. 1996 [p]'.

SYNTYPE (♂): 'Shaowu - Fukien / (500m) J. Klapperich / 30. 10. 1937 [p, violet label] // Typus [p, red label, black frame] // Mus. Nat. Pragae / Inv. [p] 65 842 [hw, red label] // Comp. with / TYPE 96 [hw, red label] // *Onth. pseudo-* / *armatus* n. sp. [hw] / Dr. V. Balthasar [p] // *O. (Colobonthophagus) / armatus* BL. ♂ [hw] / J. SCHEUERN det. 1996 [p] // *pseudoarmatus* / syn. nov. Balth. [hw] / J. SCHEUERN det. 1996 [p]'.

SYNTYPE (♂): 'Shaowu - Fukien / (500m) J. Klapperich / 30. 10. 1937 [p, violet label] // Typus [p, red label, black frame] // Mus. Nat. Pragae / Inv. [p] 65 836 [hw, red label] // Comp. with / TYPE 96 [hw, red label] // *Onth. pseudo-* / *armatus* n. sp. [hw] / Dr. V. Balthasar [p] // *O. (Colobonthophagus) / armatus* BL. ♂ [hw] / J. SCHEUERN det. 1996 [p] // *pseudoarmatus* / syn. nov. Balth. [hw] / J. SCHEUERN det. 1996 [p]'.

SYNTYPE (♀): 'Shaowu - Fukien / (500m) J. Klapperich / 30. 10. 1937 [p, violet label] // Typus [p, red label, black frame] // Mus. Nat. Pragae / Inv. [p] 65 840 [hw, red label] // *Onth. pseudo-* / *armatus* n. sp. [hw] / Dr. V. Balthasar [p]'.

SYNTYPE (♀): 'Shaowu - Fukien / (500m) J. Klapperich / 30. 10. 1937 [p, violet label] // Typus [p, red label, black frame] // Mus. Nat. Pragae / Inv. [p] 65 841 [hw, red label] // *Onth. pseudo-* / *armatus* n. sp. [hw] / Dr. V. Balthasar [p]'.

SYNTYPES (2 ♀♀): 'Shaowu - Fukien / (500m) J. Klapperich / 30. 10. 1937 [p, violet label] // Typus [p, red label, black frame] // *Onth. pseudo-* / *armatus* n. sp. [hw] / Dr. V. Balthasar [p]'.

SYNTYPE (♀): 'Shaowu - Fukien / (500m) J. Klapperich / 28. 10. 1937 [p, violet label] // Typus [p, red label, black frame] // Mus. Nat. Pragae / Inv. [p] 65 839 [hw, red label] // *Onth. pseudo-* / *armatus* n. sp. [hw] / Dr. V. Balthasar [p] // *O. (Colobonthophagus) / armatus* BL. ♀ [hw] / J. SCHEUERN det. 1996 [p] // *pseudoarmatus* / syn. nov. Balth. [hw] / J. SCHEUERN det. 1996 [p]'.

SYNTYPE (♀): 'Kwangtseh-Fukien / J. Klapperich [p] / 9. 10. [hw] 1937 [p, violet label] // Typus [p, red label, black frame] // Mus. Nat. Pragae / Inv. [p] 65 838 [hw, red label] // *Onth. pseudo-* / *armatus* n. sp. [hw] / Dr. V. Balthasar [p] // *O. (Colobonthophagus) / armatus* BL. ♀ [hw] / J. SCHEUERN det. 1996 [p] // *pseudoarmatus* / syn. nov. Balth. [hw] / J. SCHEUERN det. 1996 [p]'.

SYNTYPE (♀): 'Hoa-Binh / Tonkin [p] // Typus [p, red label, black frame] // Mus. Nat. Pragae / Inv. [p] 65 843 [hw, red label] // *Onth. pseudo-* / *armatus* n. sp. [hw] / Dr. V. Balthasar [p] // *O. (Colobonthophagus) / armatus* BL. ♀ [hw] / J. SCHEUERN det. 1996 [p] // *pseudoarmatus* / syn. nov. Balth. [hw] / J. SCHEUERN det. 1996 [p]'.

Current status. Junior subjective synonym of *Onthophagus (Colobonthophagus) armatus* Blanchard, 1853, see KABAKOV & NAPOLOV (1999).

Onthophagus pseudofimetarius Balthasar, 1946

Onthophagus pseudofimetarius Balthasar, 1946a: 18.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Manow / D. O. Afr. [p] // O. pseudofi- / metarius n.sp. [hw] / Dr. V. Balthasar det. [p] // Typus [p, red label] // *Onthophagus / pseudofimetarius* [hw, pink label]’.

Current status. Valid species; not assigned to any subgenus.

Remark. BALTHASAR (1946a) reported the type specimen as a female, nevertheless the dissection proved it was a male.

Onthophagus (Strandius) pseudojaponicus Balthasar, 1941

Onthophagus (Strandius) pseudojaponicus Balthasar, 1941b: 90.

Six syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPES (1 ♂ 1 ♀): ‘Tatsienlu Tsendsé / Szechuan China [p] // *Onth. pseudo- / japonicus / n. sp.* [hw] / Dr. V. balthasar det. [p] // Typus [p, red label, black frame]’.

SYNTYPES (2 unsexed specimens): ‘Nitou Tatsienlu / Szechuan China / Em. Reitter [p] // Typus [p, red label, black frame] // *Onth. pseudo- / japonicus n. sp.* [hw] / Dr. V. Balthasar det. [p]’.

SYNTYPE (unsexed specimen): ‘Nitou Tatsienlu / Szechuan China [p] // E. Reitter [p] // Typus [p, red label, black frame] // *Onth. pseudo- / japonicus n. sp.* [hw] / Dr. V. Balthasar det. [p]’.

SYNTYPE (unsexed specimen): ‘Nitou Tatsienlu / Szechuan China / Em. Reitter [p] // *Onth. pseudo- / japonicus n. sp.* [hw] / Dr. V. Balthasar det. [p]’.

Current status. *Onthophagus (Phanaeomorphus) pseudojaponicus pseudojaponicus* Balthasar, 1935, see KABAKOV (1979).

Onthophagus pseudojaponicus fukiensis Balthasar, 1942

Onthophagus pseudojaponicus ssp. *fukiensis* Balthasar, 1942b: 120.

Four syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): ‘Kuatun (2300m) 27,40n.Br. / 117,40ö.L. J. Klapperich / 6.3. 1938 (Fukien) [p, violet label] // Typus [p, red label, black frame] // *Onth. pseudo- / japonicus / fukiensis / n. v.* [hw] / Dr. V. Balthasar det. [p]’.

SYNTYPES (1 ♂, 1 unsexed specimen): ‘Kuatun (2300m) 27,40n.Br. / 117,40ö.L. J. Klapperich / 6.3. 1938 (Fukien) [p, violet label] // Typus [p, red label, black frame] // var. *fukiensis / nova* [hw] / Dr. V. Balthasar det. [p]’.

SYNTYPE (unsexed specimen): ‘Kuatun (2300m) 27,40n.Br. / 117,40ö.L. J. Klapperich / 6.3. 1938 (Fukien) [p, violet label] // Typus [p, red label, black frame] // var. *fukiensis / nova* [hw] / Dr. V. Balthasar det. [p]’.

Current status. *Onthophagus (Phanaeomorphus) pseudojaponicus fukiensis* Balthasar, 1935, see KABAKOV (1979).

Onthophagus (Onthophagus) pseudosellatus Balthasar, 1964

Onthophagus (s. str.) *pseudosellatus* Balthasar, 1964b: 299.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Uganda / Victoria - See / Ostufer [hw] // *sellatus / Klug* [hw] / det. G. Frey, 1960 [p] // *Onthoph.* (s. str.) / *pseudosellatus / n. sp.* Balth. / ♂ 63 [hw] / Holotypus [p, orange label]’.

Current status. Valid species.

***Onthophagus roubali* Balthasar, 1935**

Onthophagus Roubali Balthasar, 1935b: 316.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): ‘Tatsienlu / Yüling Süd / Szechuan China [p] // Typus [p, red label, black frame] // O. roubali / Typ. m. [hw] // Dr. Balthasar det. [p]’.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus rutilans boucomontianus* Balthasar, 1935**

Onthophagus rutilans ssp. *boucomontianus* Balthasar, 1935b: 318.

Eight syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPES (7 unsexed specimens): ‘Nitou Tatsienlu / Szechuan China / Em. Reitter [p] // TYPUS [p, red label, black frame]’.

SYNTYPE (unsexed specimen): ‘Tatsienlu Tsendsé / Szechuan China [p] // Typus [p, red label]’.

Current status. *Onthophagus boucomontianus* Balthasar, 1935, see KABAKOV & NAPOLOV (1999); not assigned to any subgenus.

***Onthophagus (Onthophagus) rutriceps* Krikken & Huijbregts, 2012**

Onthophagus (Onthophagus) rutriceps Krikken & Huijbregts, 2012: 426, Figs 1–17.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): ‘Kani Geb. [hw] // Neuguinea / v. Bennisgen [p, black frame] // Coll. Bennisgen [p] // ex coll. V. Balthasar / National Museum / Prague, Czech Republic [p] // PARATYPE [p, red label] // *Onthophagus / rutriceps* [hw] / J. Krikken 20 [p] 12 [hw] / PARATYPE [p]’.

Current status. Valid species.

***Onthophagus (Phanaeomorphus) schaefernai* Balthasar, 1935**

Onthophagus (Phanaeomorphus) Schaefernai Balthasar, 1935b: 312.

One syntype is deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): ‘Tatsienlu Kiulung / China Reitter [p] // Typus [p, red label, black frame] // *Phanaeomor- / plus schäfer- / nai* n. sp. [hw, not Balthasar’s ms]’.

Current status. Valid species.

***Onthophagus schawalleri* Scheuern, 1996**

Onthophagus schawalleri Scheuern, 1996: 3, Figs 2–11.

One paratype is deposited in NMPC (ex coll. D. Král):

PARATYPE (♂): ‘NEPAL-HIMALAYA / Myagdi-distr. / leg. D. Ahrens 1994 [p] // Tatopani / 18.3. / 1100 m [p] // PARATYPE [p] 157 [hw] / *Onthophagus / schawalleri* [p] n.sp. [hw] / J. SCHEUERN det. 1997 [p, red label]’.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus (Onthophagus) sciron* Balthasar, 1969**

Onthophagus (s. str.) *sciron* Balthasar, 1969: 382.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Neu Guinea / Irian (1956) / Mamberamo-Tal [hw] // *Onthophagus / sciron* n. sp. / Balthasar 66 / ♂ [hw] Holotypus [p, orange label]'.

Current status. Valid species.

***Onthophagus (Onthophagus) seminulum* Balthasar, 1964**

Onthophagus (s. str.) *seminulum* Balthasar, 1964b: 298.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Coll. Dr. A.v.Gebhardt [p] / Somali / Mogadiso [hw] // *Onthophagus* s. str. / *seminulum* / ♂ n. sp. Balth. 63 [hw] / Holotypus [p, pink label] // Mus. Nat. Pragae / Inv. [p] 65871 [hw, red label]'.

Current status. *Onthophagus stomachosus* Krell, 2009.

Remark. KRELL (2009) proposed the replacement name *Onthophagus stomachosus* for *Onthophagus (Onthophagus) seminulum* Balthasar, 1964, a junior primary homonym of *Onthophagus seminulum* Klug, 1855.

***Onthophagus (Onthophagus) silus* Balthasar, 1960**

Onthophagus (s. str.) *silus* Balthasar, 1960: 93.

The holotype and one paratype (the allotype) are deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Turkestan / Wernyi [p] // Coll. Reitter [p] // *Onthophagus / s. str. ♂ / silus* n.sp. Balth. [hw] / Holotypus [p, pink label]'.

PARATYPE (♀): 'Turkestan / Wernyi [p] // Jul. Kittl [p] // Coll. Reitter [p] // *Onthophagus / s. str. / silus* n.sp. / ♀ Balth. [hw] / Allotypus [p, pink label]'.

Current status. *Onthophagus (Palaeonthophagus) silus* Balthasar, 1960, see ZIANI & GUDENZI (2007).

***Onthophagus smetanai* Balthasar, 1952**

Onthophagus smetanai Balthasar, 1952b: 226.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♀): 'Kuatun (2300m) 27,40n.Br. / 117,40ö.L. J. Klapperich / 16.6. 1938 (Fukien) [p, violet label] // Typus [p, red label, black frame] // *Onthophagus / smetanai / Type ♀* n.sp. [hw] / Dr. V. Balthasar det. [p]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus (Onthophagus) sobrius* Balthasar, 1959**

Onthophagus (s. str.) *sobrius* Balthasar, 1959: 188, Fig. 2b.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'KUATUN, FUKIEN / China [p] 11. 5. [hw] 46 / (TSCHUNG SEN.) [p] // *Onthophagus / sobrius* / n. sp. Balth. [hw] / Holotypus [p, pink label]'.

Current status. *Onthophagus (Paraphanaeomorphus) sobrius* Balthasar, 1959, see KABAKOV (1998a).

***Onthophagus somalicola* Balthasar, 1941**

Onthophagus somalicola Balthasar, 1941d: 124.

One syntype is deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (unsexed specimen): 'Somalia Ital. / Dolo / III-IV 1937 / S. Venzo [p] // Typus [p, red label, black frame] // *Onthophagus / somalicola* / Typ. m. [hw] / Dr. V. Balthasar [p] // somalicola m. [hw, orange label]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus snofláki* Balthasar, 1944**

Onthophagus snofláki Balthasar, 1944: 90.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'Manow / D.O. Afr. [p] // TYPUS [p, red label] // O. Šnofláki / n.sp. m. [hw] / Dr. V. Balthasar det. [p] // *Onthophagus / Šnofláki* m. [hw, pink label]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus (Onthophagus) stehliki* Balthasar, 1966**

Onthophagus (s. str.) *stehliki* Balthasar, 1966b: 49.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'WEST-AFRICA / Ghana [hw] // *Onthophagus* / (s. str.) *stehliki* / n. sp. Balthasar / 66 [hw] Holotypus [p, pink label] // Mus. Nat. Pragae / Inv. [p] 65872 [hw, red label]'.

Current status. Valid species.

***Onthophagus (Onthophagus) sternax* Balthasar, 1959**

Onthophagus (s. str.) *sternax* Balthasar, 1959: 189, Fig. 2a.

The holotype and one paratype (the allotype) are deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'China [hw, pink label] // *Onthophagus / sternax* ♂ / n.sp. Balth. [hw] / Holotypus [p, pink label]'.
PARATYPE (♀): 'China [hw, pink label] // *Onthophagus / sternax* ♀ / n.sp. Balth. [hw] / Allotypus [p, pink label]'.

Current status. Valid species.

***Onthophagus (Phanaeomorphus) strandi* Balthasar, 1935**

Onthophagus (Phanaeomorphus) Strand Balthasar, 1935b: 311, Figs 3a,b.

One syntype is deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'China [p] // Typus [p, red label, black frame] // O. strandi m. / Typ! [hw] / Dr. Balthasar det. [p]'.

Current status. Valid species.

***Onthophagus sulci* Balthasar, 1935**

Onthophagus šulci Balthasar, 1935b: 315.

Two syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'Nitou Tatsienlu / Szechuan China / Em. Reitter [p] // TYPUS [p, red label, black frame] // O. šulci m. / Typ! [hw] / Dr. Balthasar det. [p]'.

SYNTYPE (unsexed specimen): 'Nitou Tatsienlu / Szechuan China [p] // TYPUS [p, red label, black frame] // O. šulci m. / Typ! [hw] / Dr. Balthasar det. [p]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus surmelii* Petrovitz, 1963**

Onthophagus sūrmelii Petrovitz, 1963: p. 236, Figs 2–4.

Two paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'Isparta [p] // Asia minor / leg. Petrovitz [p] // PARATYPUS [p, red label] // ♂ [p] // O. sūrmelii n. / Petrovitz [p]'.

PARATYPE (♂): 'Bulgar-dag: Namrun / leg. Petrovitz - Ressler [p] // PARATYPUS [p, red label] // O. sūrmelii n. / Petrovitz [p] // ♀ [p]'.

Current status. *Onthophagus (Palaeonthophagus) surmelii* Petrovitz, 1963, see, e.g. BARAUD (1992).

Remark. The species-group name was dedicated to Turk Yılmaz Sürmeli (PETROVITZ 1963), thus its original spelling 'sūrmelii' should be corrected to 'surmelii' (ICZN 1999: Art. 32.5.2) and not to 'suermelii' as applied by BARAUD (1992), KABAKOV (2006), MARTÍN-PIERA & ZUNINO (1985, 1986), LÖBL et al. (2006) and ZIANI et al. (2011).

***Onthophagus susterai* Balthasar, 1952**

Onthophagus šusterai Balthasar, 1952a: 225.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Kuatun (2300m) 27,40n.Br. / 117,40ö.L. J. Klapperich / 30.4. 1938 (Fukien) [p, violet label] // Typus [hw, red label, black frame] // Onthophagus / šusterai / Typ! n.sp. [hw] / Dr. V. Balthasar det. [p]'.

Current status. *Onthophagus (Gibbonthophagus) susterai* Balthasar, 1952, see KABAKOV (1998b).

Remark. Type status of this specimen is unclear. According to the primary description, the holotype was collected in 'prov. Foukien, IV. 1911, G. Siemssen'. Nevertheless, the identification label is authentic, written by Balthasar himself.

***Onthophagus tabidus* Balthasar, 1935**

Onthophagus tabidus Balthasar, 1935b: 313.

One syntype is deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'Nitou Tatsienlu / Szechuan China [p] // Onthophagus (s. str.) / tabidus n. sp. / Balthasar [hw] / Holotypus [p, ochreous label]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus tatsienluensis* Balthasar, 1942**

Onthophagus tatsienluensis Balthasar, 1942b: 121.

Two syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (unsexed specimen): 'Nitou Tatsienlu / Szechuan China [p] // TYPUS [p, red label, black frame] // *Onthophagus / tatsienluensis* / n. sp. Typus. [hw] / Dr. V. Balthasar det. [p]'.

SYNTYPE (unsexed specimen): 'Szechuan China [p] // Tatsienlu / Yüling Süd [p] // TYPUS [p, red label, black frame] // *Onthophagus / tatsienluensis* / n. sp. m. [hw] / Dr. V. Balthasar det. [p]'.

Current status. Valid species; not assigned to any subgenus.

***Onthophagus (Onthophagus) taxillus* Balthasar, 1969**

Onthophagus (s. str.) *taxillus* Balthasar, 1969: 384, Fig. 19.

The holotype and 11 paratypes (including the allotype) are deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'N. Guinea / Biró 1899 [p] // Sattelberg / Huon-Golf [p] // *Onthophagus / taxillus* n.sp. / Balthasar ♂ / 66 [hw] Hlotypus [p, ochreous label]'.

PARATYPE (♀): 'NOVA GUINEA / BIRÓ 1899 [p] // HUON-GOLF / SIMBANG [p] // *Onthophagus / taxillus* n.sp. / Balthasar / 66 [hw] Allotypus [p] ♀ [hw, ochreous label]'.

PARATYPES (2 ♂♂): 'N. Guinea / Biró 1899 [p] // Sattelberg / Huon-Golf [p] // *Onthophagus / taxillus* n.sp. / Balthasar ♂ / 66 [hw] Paratypus [p, ochreous label]'.

PARATYPES (5 ♀♀): 'N. Guinea / Biró 1899 [p] // Sattelberg / Huon-Golf [p] // *Onthophagus / taxillus* n.sp. / Balthasar ♀ / 66 [hw] Paratypus [p, ochreous label]'.

PARATYPE (♀): 'NOVA GUINEA / BIRÓ 1899 [p] // HUON-GOLF / SIMBANG [p] // *Onthophagus / taxillus* n.sp. / Balthasar / 66 [hw] Paratypus [p] ♀ [hw, ochreous label]'.

PARATYPE (♂): 'NOVA GUINEA / BIRÓ 1899 [p] // HUON-GOLF / SIMBANG [p] // *Onthophagus / taxillus* n.sp. / Balthasar / 66 [hw] Paratypus [p] ♂ [hw, ochreous label]'.

PARATYPE (♂): 'N. Guinea / Biró 97 [p] // Stephansort / Astrolabe Bai [p] // *Onthophagus / taxillus* n.sp. / Balthasar / 66 [hw] Paratypus [p] ♂ [hw, ochreous label]'.

Current status. Valid species.

***Onthophagus (Onthophagus ?) telegonus* Balthasar, 1969**

Onthophagus (s. str. ?) *telegonus* Balthasar, 1969: 374, Fig. 11.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Neu Guinea / Irian / Tabini [hw] // *Onthophagus / telegonus* / n.sp. Balthasar / ♂ [hw] Holotypus [p] 66 [hw, ochreous label]'.

Current status. Valid species.

***Onthophagus (Onthophagus) telephus* Balthasar, 1969**

Onthophagus (s. str.) *telephus* Balthasar, 1969: 365, Fig. 3.

The holotype and two paratypes (including the allotype) are deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Neu-Guinea / Irian / Mamberamo-Tal [hw] // *Onthophagus / telephus* n.sp. / Balthasar / ♂ [hw] Holotypus [p] 66 [hw, ochreous label]'.

PARATYPE (♀): 'Neu-Guinea / Irian / Mamberamo-Tal [hw] // *Onthophagus* / *telephus* n.sp. / Balthasar / ♀ [hw] Allotypus [p] 66 [hw, ochreous label]'.

PARATYPE (♂): 'NEW GUINEA (NE) / Karimi, South of / Goroka, 1000 m. / 5.VI.1961 [p] // Ginger [p] // J. L. Gressitt / Collector / BISHOP [p] // *Onthophagus* / *telephus* n.sp. / Balthasar 66 / ♂ min. [hw] / Paratypus [p, ochreous label]'.

Current status. Valid species.

Onthophagus (Onthophagus) tenax Balthasar, 1964

Onthophagus (s. str.) *tenax* Balthasar, 1964b: 292.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): 'Africa or. / Katona [p] // Arusha-Ju / 1905. [p] // *Onthophagus* (s.str.) / *tenax* n.sp. / ♀ Balth. 63 [hw] / Holotypus [p, orange label]'.

Current status. Valid species.

Onthophagus (Onthophagus) triptolemus Balthasar, 1969

Onthophagus (s. str.) *triptolemus* Balthasar, 1969: 379, Fig. 15.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Nova Guinea / West - Irian [hw] // *Onthophagus* / *triptolemus* / n.sp. Balthasar / 66 [hw] Holotypus [p] ♂ [hw, ochreous label]'.

Current status. Valid species.

Onthophagus (Onthophagus) triundulatus Balthasar, 1964

Onthophagus (s. str.) *triundulatus* Balthasar, 1964b: 295.

Two paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'MUSÉE DU CONGO / Eala [p] / 20-IV- [hw] 1932 [p] // H. J. Brédo [p] // *Onthophagus* (s. str.) / *triundulatus* / n. sp. Balth. / ♂ [hw] Paratypus [p] 63 [hw, pink label]'.

PARATYPE (♀): 'MUSÉE DU CONGO / Eala [p] / 20-IV- [hw] 1932 [p] // H. J. Brédo [p] // Boucomont 1935 [p] / *Onthophagus* / *imbarbis* d'O. [hw, badly readable] // *Onthophagus* (s. str.) / *triundulatus* / n. sp. Balth. / ♀ [hw] Paratypus [p] 63 [hw, pink label]'.

Current status. Valid species.

Remark. TAGLIAFERRI et al. (2012) indicated its possible placement in the subgenus *Bicornonthonthophagus* Tagliaferri & Moretto, 2012.

Onthophagus trochiscobius Kolenati, 1846

Onthophagus trochiscobius Kolenati, 1846: 7.

Two syntypes are deposited in NMPC (ex coll. Nickerl):

SYNTYPES (2 unsexed specimens): 'Grusia / Kolenati [hw, yellow label] // *O. trochiscobius* / Kolenati typ! [hw]'.

Current status. Junior subjective synonym of *Onthophagus (Palaeonthophagus) suturellus* Brullé, 1832, see, e.g., BARAUD (1992).

***Onthophagus troniceki* Balthasar, 1933**

Onthophagus troniceki Balthasar, 1933b: 48.

Two syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): 'Surada / Inde or. angl. [hw] // TYPUS [p, red label] // *Onthophagus* / Tronicėki m. [hw] / Dr. Balthasar det. [p] // Tronicėki m. [hw, yellow label] // vidit / M. Zunino ,82 [hw]'.

SYNTYPE (♀): 'Surada / India or. / angl. [hw] // TYPUS [p, red label] // *Onthophagus* / Tronicėki m. [hw] / Dr. Balthasar det. [p] // vidit / M. Zunino '82 [hw]'.

Current status. *Onthophagus (Matashia) troniceki* Balthasar, 1933, see OCHI (2003).

***Onthophagus (Onthophagus) tschadensis* Balthasar, 1963**

Onthophagus (s. str.) *tschadensis* Balthasar, 1963c: 94.

Four paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'COLL. MUS. CONGO / Tchad: N'Gouri distr. de / Kanem IX-1958 / P. Renaud [p] // *Onthophagus* / tschadensis / ♂ n. sp. Balthasar 63 [hw] / Paratypus [p, pink label] // Mus. Nat. Pragae / Inv. [p] 65878 [hw, red label]'.

PARATYPE (♂): 'COLL. MUS. CONGO / Tchad: N'Gouri distr. de / Kanem IX-1958 [p] // P. Renaud [p] // *Onthophagus* / tschadensis / ♂ n. sp. Balthasar 63 [hw] / Paratypus [p, pink label] // Mus. Nat. Pragae / Inv. [p] 65879 [hw, red label]'.

PARATYPE (♀): 'COLL. MUS. CONGO / Tchad: N'Gouri distr. de / Kanem IX-1958 [p] // P. Renaud [p] // *Onthophagus* / tschadensis / ♀ n. sp. Balthasar 63 [hw] / Paratypus [p, pink label] // Mus. Nat. Pragae / Inv. [p] 65880 [hw, red label]'.

PARATYPE (♀): 'COLL. MUS. CONGO / Tchad: N'Gouri distr. de / Kanem IX-1958 [p] // P. Renaud [p] // *Onthophagus* / tschadensis / ♀ n. sp. Balthasar 63 [hw] / Paratypus [p, pink label] // Mus. Nat. Pragae / Inv. [p] 65877 [hw, red label]'.

Current status. Valid species.

***Onthophagus (Onthophagus) turfanicus* Balthasar, 1971**

Onthophagus (s. str.) *turfanicus* Balthasar, 1971: 55.

The holotype and three paratypes (including the allotype) are deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'China occ. / Turfan [p] // *Onthophagus* / turfanicus ♂ / n. sp. Balth. / 69 [hw] Holotypus [p, pink label]'.

PARATYPES (2 ♂♂): 'China occ. / Turfan [p] // *Onthophagus* / turfanicus / n. sp. ♂ minor / Balth. / 69 [hw] Paratypus [p, pink label]'.

PARATYPE (♀): 'China occ. / Turfan [p] // *Onthophagus* / turfanicus / n. sp. ♀ / Balth. / 69 [hw] Allotypus [p, pink label]'.

Current status. Valid species.

***Onthophagus ukerewensis* Balthasar, 1937**

Onthophagus ukerewensis Balthasar, 1937a: 192.

Three syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (unsexed specimen): 'Afr. or. / Ukerewe [hw] // TYPUS [p, red label] // *ukerewensis* m. [hw, pink label]'.

SYNTYPE (unsexed specimen): 'Afr. or. / Ukerewe [hw]'.

SYNTYPE (♂): 'Tangayika / Ukerewe [hw] // Typus [p, red label, black frame] // ONTHOPHAGUS [p] / ukerewensis BALTH. [hw] / Det. Mencl 2004 [p]'.

Current status. Valid species; not assigned to any subgenus.

Onthophagus (Onthophagus) ulula Balthasar, 1966

Onthophagus (s. str.) *ulula* Balthasar, 1966a: 243.

Two paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'COLL. MUS. TERVUREN / Nord Côte d'Ivoire / Ferkessédougou [p] // J. Decelle 10/20.V.1964 [p] // *Onthophagus* / *ulula* n. sp. ♂ / 65 Balthasar [hw] / Paratypus [p, pink label]'.

PARATYPE (♀): 'COLL. MUS. TERVUREN / Nord Côte d'Ivoire / Ferkessédougou [p] // J. Decelle 10/20.V.1964 [p] // *Onthophagus* / *ulula* n. sp. ♀ / 65 Balthasar [hw] / Paratypus [p, pink label]'.

Current status. Valid species.

Onthophagus (Onthophagus) usurpator Balthasar, 1959

Onthophagus (s. str.) *usurpator* Balthasar, 1959: 190, Fig. 3.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'COORG / PONNAMPET / M. GHAT, XII-1934 [p] // INDIA / LIDIO CIPRIANI [p] // *Onthophagus* / s. str. / *usurpator* / Balth. [hw] / Holotypus [p, pink label] // O. (Colobonthophagus) [p] / urellus Bouc. [hw, badly readable] / J. SCHEUERN det. 1996 [p] // *usurpator* / syn. nov. [hw] / J. SCHEUERN det. [p] 96 [hw]'.

Current status. Valid species.

Remark. The above indicated synonymy of *Onthophagus (Colobonthophagus) urellus* Boucomont, 1919 and *Onthophagus (Onthophagus) usurpator* Balthasar, 1959 has not been published yet.

Onthophagus (Onthophagus) vesanus Balthasar, 1967

Onthophagus (s. str.) *vesanus* Balthasar, 1967a: 54.

The holotype and three paratypes are deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'CONGO Franc. / Cabinda / II. 1958 [hw] // *Onthophagus* / *vesanus* / ♂ Balth. 66 [hw] / Holotypus [p, pink label]'.

PARATYPE (♀): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / Nambouli river [p] // 12.1.1964 No. 658 / sifted and singled / from elephant excr. / leg. Endrödy-Younga [p] // *Onthophagus* / *vesanus* n. sp. / ♀ Balthasar 66 [hw] / Paratypus [p, pink label]'.

PARATYPES (2 unsexed specimens): 'Soil-Zoological Exp. / Congo-Brazzaville / Lefinie reservation / Nambouli river [p] // 12.1.1964 No. 658 / sifted and singled / from elephant excr. / leg. Endrödy-Younga [p] // *Onthophagus* / *vesanus* n. sp. / Balthasar 66 [hw] / Paratypus [p, pink label]'.

Current status. Valid species.

Onthophagus vinctoides Frey, 1957

Onthophagus vinctoides Frey, 1957a: 133, Fig. on p. 134.

Two paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (unsexed specimen): 'PARATYPUS [p, red label] // COLL. MUS. CONGO / Bambesa [p] / 11-X- [hw] I-1939 [p] // J. Vrydagh [p] // vinctoides / G. Frey det. [hw]'.

PARATYPE (unsexed specimen): 'PARATYPUS [p, red label] // COLL. MUS. CONGO / Bambesa [p] / 15-IX-X-1932 [p] // J. Vrydagh [p] // vinctoides / G. Frey det. [hw]'.

Current status. Valid species; not assigned to any subgenus.

Onthophagus (Onthophagus) vitulus citellorum Petrovitz, 1967

Onthophagus (s. str.) *vitulus* ssp. *citellorum* Petrovitz, 1967: 325.

Three paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPES (3 ♂♂): 'Eskisehir, 792m, As. min. / leg. Petrovitz-Ressl [p] // *Onthophagus vitulus* / ssp. *citellorum* m. / Petrovitz '66 [p, red label] // PARATYPUS [p, red label]'.

Current status. *Onthophagus (Palaeonthophagus) petrovitzianus* Pittino, 2006.

Remark. PITTINO (2004) proposed the replacement name *Onthophagus (Palaeonthophagus) petrovitzi* for *Onthophagus (Onthophagus) vitulus citellorum* Petrovitz, 1967, a junior primary homonym of *Onthophagus citellorum* Medvedev, 1965. Later on, PITTINO (2006) found out, that also his *O. (P.) petrovitzi* was already preoccupied by *O. petrovitzi* Frey, 1975 and established another replacement name *O. (P.) petrovitzianus* Pittino, 2006.

Onthophagus vladimiri Frey, 1957

Onthophagus vladimiri Frey, 1957b: 687, Fig. 1.

Two paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'Anamalai Hills / Cinchona / 3500 ft. V. 56 [p] // Süd Indien / leg. Nathan [p] // *Onthophagus* [p] / *vladimiri* / ♂ m. [hw] / det. G. Frey 1957 [p] / Paratypus [hw] // PARATYPE [hw, red label]'.

PARATYPE (♀): 'Anamalai Hills / Cinchona / 3500 ft. V. 56 [p] // Süd Indien / leg. Nathan [p] // *O. vladimiri* / m. / ♀ Paratypus [hw] / det. G. Frey 1957 [p] // PARATYPE [hw, red label]'.

Current status. Valid species; not assigned to any subgenus.

Onthophagus (Onthophagus) volucer Balthasar, 1959

Onthophagus (s. str.) *volucer* Balthasar, 1959: 191, Fig. 4.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Burma / Tenass. [hw] // Helfer [hw] // *Onthophagus* / *volucer* / ♂ n.sp. / Balth. [hw] / Holotypus [p] // *O. (Colobonthophagus)* [p] / *aenescens* (Wied.) [hw] / J. SCHEUERN det. 1996 [p] // *volucer* BALTH. / syn. nov. 96 [hw] / J. SCHEUERN det. [p]'.

Current status. Valid species.

Remark. The above indicated synonymy of *Onthophagus (Colobonthophagus) aenescens* (Wiedemann, 1823) and *Onthophagus (Onthophagus) volucer* Balthasar, 1959 has not been published yet.

Onthophagus yemenicus Balthasar, 1946

Onthophagus yemenicus Balthasar, 1946a: 16.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Arabien, Yemen / Sanaa-Manabha [p] // Onthophagus / yemenicus / n.sp. [hw] / Dr. V. Balthasar det. [p] // Typus [p, red label, black frame] // Onthophagus Balth. / yemenicus [hw, orange label, black frame]’.

Current status. *Euonthophagus yemenicus* (Balthasar, 1946), see, e.g., ZUNINO (1981).

Onthophagus (Strandius) zavreli Balthasar, 1935

Onthophagus (Strandius) Zavreli Balthasar, 1935b: 310, Figs 2a,b.

Two syntypes are deposited in NMPC (ex coll. V. Balthasar):

SYNTYPE (♂): ‘Giufu Shan / Szechuan 1500- / 2000 m. Reitter E. [p] // Typus [p, red label, black frame] // O. zavreli m. / Typ [hw] / Dr. V. Balthasar det. [p]’.

SYNTYPE (♂): ‘Tatsienlu / Yüling Süd / Szechuan China [p] // Typus [p, red label, black frame] // O. zavreli m. / Typ. [hw] // Dr. Balthasar det. [p]’.

Current status. *Onthophagus (Phanaeomorphus) zavreli* Balthasar, 1935, see KABAČOV (1979).

Onthophagus (Onthophagus) zicsii Balthasar, 1967

Onthophagus (s. str.) *zicsii* Balthasar, 1967a: 60.

Two paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (unsexed specimen): ‘Soil-Zoological Exp. / Congo-Brazzaville / Loudima SAGRO / fields [p] // 15.12.1963. No. 473 / soil trap / on savannah / leg. Balogh & Zicsi [p] // Onthophagus / zicsii n. sp. / Balthasar 66 [hw] / Paratypus [p, pink label]’.

PARATYPE (unsexed specimen): ‘Soil-Zoological Exp. / Congo-Brazzaville / Loudima / forestry [p] // 15.12.1963. No. 472 / soil trap / leg. Balogh & Zicsi [p] // Onthophagus / zicsii n.sp. / Balthasar 66 [hw] / Paratypus [p, pink label]’.

Current status. Valid species.

Onthophagus (Onthophagus) zimmermanni Balthasar, 1959

Onthophagus (s. str.) *zimmermanni* Balthasar, 1959: 192.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♀): ‘Nitou Tatsienlu / Szechuan China / Em. Reitter [p] // Onthophagus / zimmermanni / ♀ n.sp. Balth. [hw] / Holotypus [p, pink label]’.

Current status. Valid species.

Onthophagus zubaci Balthasar, 1932

Onthophagus Zubači Balthasar, 1932: 151, Fig. on p. 152.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Panjampatti / India 4.3.931 [hw] // Typus [hw, red label] // Det. Dr. Balthasar [p] / O. Zubači m. [hw] // zubači m. [yellow label, black frame]’.

Current status. Junior subjective synonym of *Onthophagus (Colobonthophagus) dama* (Fabricius, 1798), see BALTHASAR (1963d) and SCHEUERN (1995).

***Pinacotarsus congolanus* Balthasar, 1963**

Pinacotarsus congolanus Balthasar, 1963c: 90.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (unsexed specimen): 'COLL. MUS. CONGO [p] / Yangambi (Stan.) / 4. VII. 1960 / J. Decelle [hw] // A terre / in forêt [hw] // Pinacotarsus / congolanus / n.sp. Balth. [hw] / Paratypus [p] 62 [hw, pink label]'.

Current status. *Eusaproecius congolanus* (Balthasar, 1963), see BRANCO (1992b).

***Pseudosaproecius plumatus* Balthasar, 1966**

Pseudosaproecius plumatus Balthasar, 1966a: 252.

Two paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♂): 'COLL. MUS. TERVUREN / Côte d'Ivoire: Bingerville / 13. IV. 1962 / J. Decelle [p] // à la lampe / U.V. [p, blue label] // Pseudosaproecius / plumatus n.sp. / ♂ Balthasar / 65 [hw] / Paratypus [p, pink label] // Mus. Nat. Pragae / Inv. [p] 65122 [hw, red label] // Pseudosaproecius / comatus (D'Orbigny) / (compared with / the type) [hw] / DET. / T. Branco [p] 1989 [hw]'.

PARATYPE (♀): 'COLL. MUS. TERVUREN / Côte d'Ivoire: Bingerville / 1/12. - III. 1962 [p] // Pseudosaproecius / plumatus n.sp. / ♀ Balthasar / 65 [hw] / Paratypus [p, pink label] // Mus. Nat. Pragae / Inv. [p] 65121 [hw, red label] // Pseudosaproecius / comatus (D'Orbigny) / (compared with / the type) [hw] / DET. / T. Branco [p] 1989 [hw]'.

Current status. Junior subjective synonym of *Pseudosaproecius comatus* (d'Orbigny, 1902), see BRANCO (1995).

***Pseudosaproecius tersus* Balthasar, 1963**

Pseudosaproecius tersus Balthasar, 1963b: 94, Fig. 1.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Kongo / Lomami - Tal / Ajajonga [hw] // Pseudosaproecius / tersus / n.sp. / 62 Balthasar [hw] / HOLOTYPE [p, pink label] // Mus. Nat. Pragae / Inv. [p] 66120 [hw, red label]'.

Current status. *Stiptopodius tersus* (Balthasar, 1963), see BRANCO (1992a).

***Scarabaeus fracticornis* (Preyssler, 1790)**

Scarabaeus fracticornis Preyssler, 1790: 99, Fig. 6.

The neotype is deposited in NMPC (general collection):

NEOTYPE (♂): 'COLL. M. RAKOVIČ / KODA, BOH. C. [p] / 25.5. 74 [hw] // Neotypus / Onthophagus / fracticornis / (Preysl.) / C. Palestini 1980 [hw, red label]'.

Current status. *Onthophagus (Palaeonthophagus) fracticornis* (Preyssler, 1790), see, e.g. BARAUD (1992).

Remark. Neotype designation was published by PALESTRINI (1981).

***Stiptopodius glaber* Branco, 1992**

Stiptopodius glaber Branco, 1992a: 102.

Two paratypes are deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (♀): 'Sudan / Equatoria / Tambura-Wau / 25.-26.4.1963 / Linnavuori [p] // Mus. Zool. Helsinki / Loan no. [p] C802 [hw, yellow label] // Stiptopodius / glaber / PARATYPUS / T. BRANCO 1990 [hw, red label]'.

PARATYPE (♀): 'Sudan / Bahr el Gazal / Wau 19.2.1963 / Linnavuori [p] // Mus. Zool. Helsinki / Loan no. [p] C791 [hw, yellow label] // Stiptopodius / glaber / PARATYPUS / T. BRANCO 1990 [hw, red label]'.

Current status. Valid species.

Subfamily Scarabaeinae: Phanaeini

Coprophanaeus (Coprophanaeus) henryi Malý & Pokorný, 2008

Coprophanaeus (Coprophanaeus) henryi Malý & Pokorný, 2008: 2, Figs 1a–d, 5a–c.

The holotype and one paratype are deposited in NMPC (general collection – donated by V. Malý):

HOLOTYPE (♂): 'MEX. OAXACA / Jalapa env. / 13.-31.7.2007 / Malý lgt. M87 [p] // HOLOTYPE ♂ / *Coprophanaeus* (s. str.) / henryi Malý & Pokorný [p, red label]'.

PARATYPE (♀): 'MEX. OAXACA / Jalapa env. / 13.-31.7.2007 / Malý lgt. M87 [p] // PARATYPE ♀ / *Coprophanaeus* (s. str.) / henryi Malý & Pokorný [p, red label]'.

Current status. Junior subjective synonym of *Coprophanaeus (Coprophanaeus) gilli* Arnaud, 1997, see EDMONDS & ZÍDEK (2010).

Coprophanaeus (Coprophanaeus) uhleri Malý & Pokorný, 2008

Coprophanaeus (Coprophanaeus) uhleri Malý & Pokorný, 2008: 6, Figs 3a–d, 7a–c.

The holotype and one paratype are deposited in NMPC (general collection – donated by S. Pokorný):

HOLOTYPE (♂): 'Costa Rica-Guana- / caste, Rincón de la / Vieja NP, 775m / S. Pokorný lgt. 6.2004 [p] // HOLOTYPE ♂ / *Coprophanaeus* (s. str.) / uhleri Malý & Pokorný [p, red label]'.

PARATYPE (♀): 'Costa Rica-Guana- / caste, Rincón de la / Vieja NP, 775m / S. Pokorný lgt. 6.2004 [p] // PARATYPE ♀ / *Coprophanaeus* (s. str.) / uhleri Malý & Pokorný [p, red label]'.

Current status. Valid species.

Remark. EDMONDS & ZÍDEK (2010) synonymized it with *Coprophanaeus (Coprophanaeus) chiriquensis* (Olsoufieff, 1924). Later on, KOHLMANN & SOLÍS (2012) reestablished it as a valid species.

Phanaeus (Phanaeus) babori Balthasar, 1939

Phanaeus (s. str.) *Babori* Balthasar, 1939b: 246.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Coll. et determ. / J. La Fontaine [p] // Oacaxa / M. Bräs. [hw, green label, black frame] // Typus [p, red label, black frame] // Ph. babori / m. [hw] / Dr. V. Balthasar det. [p] // Mus. Nat. Pragae / Inv. [p] 26325 [hw, orange label] // babori m. [hw, green label, black frame] // *Phanaeus / nimrod* Har. / n.syn. [hw] / P. Arnaud det. 1981 [p] // Typus [p, red label, black frame] // ex coll. V. Balthasar / National Museum Prague / Czech Republic [p]'.

Current status. Junior subjective synonym of *Phanaeus (Phanaeus) nimrod* Harold, 1863, see ARNAUD (1982), EDMONDS (1994) and EDMONDS & ZÍDEK (2012).

***Phanaeus (Phanaeus) frankenbergeri* Balthasar, 1939**

Phanaeus (s. str.) *Frankenbergeri* Balthasar, 1939b: 245.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Mexico [hw] // Typus [p, red label, back frame] // Ph. frankenber- / geri m. [hw] / Dr. V. Balthasar det. [p] // Coll. / v. Schönfeldt [p] // frankenbergeri m. [green label, back frame] // Nat. Mus. Pragae / Inv. [p], 26351 [hw] // *Phanaeus / tridens* Cast. / (n.syn.) [hw] / P. Arnaud det. 1981 [p] // Typus [p, red label, black frame]'.

Current status. Junior subjective synonym of *Phanaeus (Phanaeus) tridens* Laporte, 1840, see ARNAUD (1982), EDMONDS (1994) and EDMONDS & ZÍDEK (2012).

***Phanaeus (Phanaeus) funereus* Balthasar, 1939**

Phanaeus (s. str.) *funereus* Balthasar, 1939b: 241.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'ECUADOR / Pucay / F.O., 10.6.05 [p] // [male mark, p] // H. Blut Determ. [p] / *Phanaeus / blanchardi* Olsuf. [hw] // Felsche det. [p] / *Phanaeus / pyrois* Bts. [hw] // Ph. *funereus* / m. n.sp. [hw] / Dr. v. Balthasar det. [p] // Typus [p, red label, black frame] // Mus. Nat. Pragae / Inv. [p], 26347 [hw, orange label] // ex coll. V. Balthasar / National Museum Prague / Czech Republic [p]'.

Current status. Junior subjective synonym of *Phanaeus (Notiophanaeus) pyrois* Bates, 1887, see EDMONDS & ZÍDEK (2012).

***Phanaeus (Phanaeus) goidanichi* Balthasar, 1939**

Phanaeus (s. str.) *Goidanichi* Balthasar, 1939b: 243.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Am. sept. [h., green label] // Typus [p, red label, black frame] // Ph. *goidani- / chi* m. [hw] / Dr. v. Balthasar det. [p] // Mus. Nat. Pragae / Inv. [p], 26348 [hw, orange label] // *Goidanichi* m. [hw, green label, black frame] // *Phanaeus* [p] / *triangularis* / n.syn. [hw] / P. Arnaud det. 83 [p] // Typus [p, red label, black frame]'.

Current status. Junior subjective synonym of *Phanaeus (Phanaeus) triangularis* (Say, 1823), see ARNAUD (1982), EDMONDS (1994) and EDMONDS & ZÍDEK (2012).

***Phanaeus palaeno excisicornis* Balthasar, 1939**

Phanaeus palaeno ssp. *excisicornis* [sic!] Balthasar, 1939b: 247.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): 'Mato Grosso / Zobrys [p] // Typus [p, red label, black frame] // ssp. *excisi- / cornis* m. [hw] / Dr. V. Balthasar det. [p] // H. Blut determ. [p] / *Phanaeus / pretiosus* [hw] // Mus. Nat. Pragae / Inv. [p], 26356 [hw, orange label] // ssp. *excisicornis* m. [hw, green label, black frame] // TYPUS [p, red label, black frame] // *Phanaeus* [p] / *palaeno* / n.syn. [hw] / P. Arnaud det. 83 [p]'.

Current status. Junior subjective synonym of *Phanaeus (Notiophanaeus) palaeno* Blanchard, 1843, see ARNAUD (1982), EDMONDS (1994) and EDMONDS & ZÍDEK (2012).

Remark. Original spelling 'excisicornis' should be corrected to 'excisicornis' in accordance with Article 32.5.1. of ICZN (1999). It is evident from the original description, that the taxon

is characterized mainly by excised transverse carina on its head. Moreover, the spelling ‘*excisicornis*’ was used by Balthasar himself on the identification label.

***Phanaeus (Phanaeus) pseudofurcosus* Balthasar, 1939**

Phanaeus (s. str.) *pseudofurcosus* Balthasar, 1939b: 244.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Mex. [p] // Guatemala [p] // Guatemala / C. Vogel S. [p, green label, black frame] // Ph. pseudofurcosus m. [hw] / Dr. V. Balthasar det. [p] // Mus. Nat. Pragae / Inv. [p], 26350 [hw, orange label] // pseudofurcosus m. [hw, green label, black frame] // Typus [p, red label, black frame] // ex coll. V. Balthasar / National Museum Prague / Czech Republic [p]’.

Current status. Junior subjective synonym of *Phanaeus (Phanaeus) tridens* Laporte, 1840, see EDMONDS (1994) and EDMONDS & ZÍDEK (2012).

***Phanaeus (Coprophanaeus) rex* Balthasar, 1939**

Phanaeus (Coprophanaeus) rex Balthasar, 1939b: 239.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Coll. Sabel / 1904 [p] // Mus. Nat. Pragae / Inv. [p], 26353 [hw, orange label] // Typus [p, red label, black frame] // Phanaeus / rex m. [hw], Dr. V. Balthasar det [p] // rex m. [hw, green label, black frame] // Coprophanaeus [p] / abas M. Leay / n.syn. [hw] / P. Arnaud det. 2000 [p] // ex coll. V. Balthasar / National Museum Prague / Czech Republic [p]’.

Current status. Junior subjective synonym of *Coprophanaeus (Coprophanaeus) abas* (MacLeay, 1819), see ARNAUD (1982) and EDMONDS & ZÍDEK (2010).

***Phanaeus (Coprophanaeus) roubali* Balthasar, 1939**

Phanaeus (Coprophanaeus) Roubali Balthasar, 1939b: 241.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Typus [p, red label black frame] // ECUADOR / Lola / 8.8.05, F. Ohs. [p] // Mus. Nat. Pragae / Inv. [p], 26355 [hw, orange label] // Phanaeus / roubali typus m. [hw] / Dr. V. Balthasar det. [p] // Roubali m. [hw, green label, black frame] // Coprophanaeus [p] / conocephalus Ols. / n.syn. [hw] P. Arnaud det. 95 [p] // ex coll. V. Balthasar / National Museum Prague / Czech Republic [p]’.

Current status. Junior subjective synonym of *Coprophanaeus (Coprophanaeus) conocephalus* (Olsoufieff, 1924), see EDMONDS & ZÍDEK (2010).

***Phanaeus (Coprophanaeus) strandi* Balthasar, 1939**

Phanaeus (Coprophanaeus) Strandii Balthasar, 1939b: 240.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Columbia / Pehlke [p, green label, black frame] // Typus [p, red label, black frame] // Mus. Nat. Pragae / Inv. [p] 26354 [hw, orange label] // Phanaeus / strandi m. [hw] / Dr. V. Balthasar det. [p] // strandi m. [hw, green label, black frame] // ex coll. V. Balthasar / National Museum Prague / Czech Republic [p]’.

Current status. *Coprophanaeus (Coprophanaeus) strandi* (Balthasar, 1939), see EDMONDS & ZÍDEK (2010).

***Phanaeus (Phanaeus) substriolatus* Balthasar, 1939**

Phanaeus (s. str.) *substriolatus* Balthasar, 1939b: 245.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (♂): ‘Mexico [hw, green label, black frame] // Typus [p, red label, black frame] // Coll. / v. Schönfeldt [p] // Ph. substriolatus m. [hw] // Dr. V. Balthasar [p] // Mus. Nat. Pragae / Inv. [p], 26349 [hw, orange label] // substriolatus m. [hw, green label, black frame] // Phanaeus / daphnis Har. / n.syn. [hw] / P. Arnaud det. 1981 [p]’.

Current status. Junior subjective synonym of *Phanaeus (Phanaeus) daphnis* Harold, 1863, see EDMONDS (1994) and EDMONDS & ZÍDEK (2012).

Subfamily Scarabaeinae: Scarabaeini***Scarabaeus babori* Balthasar, 1934**

Scarabaeus babori Balthasar, 1934: 147.

The lectotype and two paralectotypes are deposited in NMPC (ex coll. V. Balthasar):

LECTOTYPE (♂): ‘Elbrus Geb. / Persien Rtrr. [p] // Typus [p, red label, black frame] // Sc. babori / Typ. m. [hw] / Dr. Balthasar det. [p] // babori ♂ [hw, blue label] // S. babori Balthasar / LECTOTYPE ♂ / des. J. Zidek 2008 [p]’.

PARALECTOTYPE (♀): ‘Elbrus Geb. / Persien Rtrr. [p] // Typus [p, red label, black frame] // Sc. babori / Typ. m. [hw] / Dr. Balthasar det. [p] // babori ♀ [hw, blue label] // S. babori Balthasar / PARALECTOTYPE ♀ / det. J. Zidek 2008 [p]’.

PARALECTOTYPE (♂): ‘Elbrus Geb. / Persien Rtrr. [p] // Typus [p, red label, black frame] // Sc. babori / Typus m. [hw] / Dr. Balthasar det. [p] // transcaspicus [hw, blue label] // S. transcaspicus Stolfá / nec S. babori Balthasar / det. J. Zidek 2008 [p] // Scarabaeus babori / Balthasar, 1934 / Paralectotypus, ♂ / des. A. Bezdek & J. Hájek, 2013 [p, red label]’.

Current status. *Scarabaeus (Scarabaeus) babori* Balthasar, 1934, see ZÍDEK & POKORNÝ (2008).

Remark. BALTHASAR (1934) described this species from an unknown number of specimens of both sexes. ZÍDEK (2008) found two males and one female in NMPC (in coll. Balthasar). He designated lectotype (male) and one paralectotype (female). Because there is no doubt about the authenticity of the second male, we have labeled it as an additional paralectotype.

***Scarabaeus janssensii* Balthasar, 1940**

Scarabaeus janssensii Balthasar, 1940: 67.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (unsexed specimen): ‘Somalia / OBBIA / 1924 [hw] // Stefanini / e / Puccini [hw] // TYPUS [p, red label] / janssensii m. [hw, orange label]’.

Current status. *Scarabaeus (Scarabaeus) janssensii* Balthasar, 1940, see, e.g., FERREIRA (1972).

***Scarabaeus obsoletepunctatus* Balthasar, 1940**

Scarabaeus obsoletepunctatus Balthasar, 1940: 68.

The holotype is deposited in NMPC (ex coll. V. Balthasar):

HOLOTYPE (unsexed specimen): ‘TYPUS [p, red label] // Benguella / Angola [p] // obsoletepun- / ctatus m. [hw, orange label]’.

Current status. *Scarabaeus (Scarabaeus) obsoletepunctatus* Balthasar, 1940, see, e.g., FERREIRA (1972).

Subfamily Scarabaeinae: Sisyphini

Sisyphus (Sisyphus) natalensis Balthasar, 1968

Sisyphus (s. str.) *natalensis* Balthasar, 1968: 954.

One paratype is deposited in NMPC (ex coll. V. Balthasar):

PARATYPE (unsexed specimen): ‘Sta. Lucia lake / Potium 18-25.II.1960 [hw] // Natal bor. / leg. Héjja [hw] // *Sisyphus* (s. str.) / *natalensis* / n.sp. Balth. / 68 [hw] Paratypus [p, pink label]’.

Current status. Valid species.

Types of infrasubspecific entities

Subfamily Scarabaeinae: Onitini

Onitis humerosus ab. *cupripennis* Balthasar, 1963 – 1 ♂

Subfamily Scarabaeinae: Onthophagini

Caccobius denticollis ab. *flavipennis* Balthasar, 1963 – 3 unsexed specimens

Onthophagus (Onthophagus) finschi ab. *badagschanus* Balthasar, 1959 – 1 ♂ 1 ♀

Onthophagus gratus ab. *propexus* Balthasar, 1933 – 1 unsexed specimen

Onthophagus (Onthophagus) javanensis ab. *palavanus* Balthasar, 1959 – 4 unsexed specimens

Onthophagus pseudojaponicus fukiensis ab. *tschungseni* Balthasar, 1959 – 1 ♂

Onthophagus (Strandius) pseudojaponicus ab. *yulingensis* Balthasar, 1941 – 8 unsexed specimens

Onthophagus schnabeli ab. *lividipennis* Všečeka, 1944 – 2 ♀♀

Missing types

Subfamily Scarabaeidae: Onthophagini

Onthophagus (Proagoderus) opiniosus Balthasar, 1937

Onthophagus (Proagoderus) opiniosus Balthasar, 1937b: 2.

Current status. Junior subjective synonym of *Onthophagus (Proagoderus) patinatus* Marcus, 1917, see PALESTRINI (1992).

Remark. The species was described according to a probably single specimen deposited in the collection of V. Balthasar (BALTHASAR 1937b). However, there is no mention of this species in the Balthasar’s collection, and we were not able to trace the type specimen in NMPC.

***Onthophagus (Onthophagus) tshuapae* Balthasar, 1964**

Onthophagus (s. str.) *tshuapae* Balthasar, 1964b: 301.

Current status. Valid species.

Remark. The species was described according to two male specimens (the holotype and one paratype); the paratype was deposited in the collection of V. Balthasar (BALTHASAR 1964b). However, there is no mention of this species in the Balthasar's collection, and we were not able to trace the type specimen in NMPC.

Subfamily Scarabaeinae: Scarabaeini***Scarabaeus frankenbergeri* Balthasar, 1934**

Scarabaeus frankenbergeri Balthasar, 1934: 146.

Current status. Junior subjective synonym of *Scarabaeus (Scarabaeus) wilsoni* Waterhouse, 1890, see, e.g., KABAKOV (1980).

Remark. The species was described according to a probably single specimen deposited in the collection of V. Balthasar (BALTHASAR 1934). However, there is no mention of this species in the Balthasar's collection, and we were not able to trace the type specimen in NMPC.

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