Further replacement names in the family Buprestidae (Coleoptera)

C.L. Bellamy
Coleoptera Department, Transvaal Museum, P.O. Box 413, Pretoria, 0001 South Africa

Replacement names for 39 species and two subspecies in 16 genera of Buprestidae are proposed to resolve cases of homonymy.

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INTRODUCTION

During the preparation of a world catalogue of Buprestidae (Bellamy, in prep.), further irregularities have been encountered that require resolution. These follow replacement names recently proposed by Bellamy (1996a). Certain colleagues and reviewers have argued that replacement names in cases of homonymy could be proposed within the catalogue itself, as was done by Obenberger (1926, 1930a, 1934a,b, 1936, 1937a) in his world catalogue. This could lead to other difficulties as these proposals should be made with discussion pertaining to each replacement. There are certain nomenclatural publications by earlier authors, often workers who did little primary descriptive work or alpha taxonomy in buprestids, but who published lists of synonyms and recognized the need to correct selected cases of homonymy (e.g. Lotte 1937, 1938; Strand 1932a,b, 1942).

The following list represents the majority of corrections required for all cases of homonymy in Buprestidae encountered to date. There are possibly also earlier species names originally described in the oldest genus-group names, e.g. Buprestis Linnaeus, that were subsequently transferred to the numerous new genera that were described in the latter half of the nineteenth century. One of these was dealt with by Peterson (1991), while others remain to be clarified.

Higher classification follows that proposed by Holynski (1993). The International Code of Zoological Nomenclature is abbreviated to ICZN. Although it now appears to be more correct to use the names Frivaldszky von Frivald, von Gebhardt, von Marseul, von Harold and von Mannerheim, convention by contemporary buprestologists has shortened these to Frivaldszky, Gebhardt, Laporte, Marseul, Harold and Mannerheim, respectively. All cases of preoccupation discussed here involve homonymy within the Buprestidae and none are caused by homonymy with other taxa.

REPLACEMENT NAMES

Subfamily Buprestinae Leach
Tribe Acmaeoderini Kerremans
Subtribe Acmaeoderina Kerremans

Acmaeodera boreaoafricana nom. nov.
Acmaeodera stellata Abeille de Perrin, 1891: 273 (name preoccupied by A. stellata Marseul, 1867: 50).
Abeille de Perrin may have overlooked the earlier use of this specific epithet since Marseul's A. stellata is a southern African species. The new name is chosen to emphasize the North African distribution of the species.

Acmaeodera venezuelica nom. nov.
Acmaeodera aeneicollis Fisher, 1949: 342 (name preoccupied by Acmaeodera aeneicollis (De Geer, 1778: 632)).
Acmaeodera aeneicollis (De Geer) is currently a junior synonym of the widespread southern African species A. viridaenea (De Geer). A new name for Fisher's Venezuelan species is needed and reflects the country of origin.

Acmaeoderella lisa nom. nov.
Acmaeoderella dermestoides (Frivaldszky, 1845: 54) (name preoccupied by A. dermestoides (Solier, 1833: 275)).
Despite both taxa currently being considered as junior synonym of different species of Acmaeoderella Cobos, this homonymy has existed since 1833 and has never been corrected. Solier's
species is a synonym of *A. adspersula* (Illiger) while Frivaldszky's species is a synonym of *A. farinosa*. The new name is chosen to honour Lisa Werner, local artist and family friend, for her work on the Coleoptera databases of the Coleoptera Department, Transvaal Museum, but will remain a junior synonym of *A. farinosa*.

**Tribe Polycetini** Lacordaire

**Subtribe Ptosimina** Kerremans

*Sponsor cobosi* nom. nov.

*Sponsor pinguis* (Fairmaire, 1902: 79) (name preoccupied by *S. pinguis* Guérin-Méneville, 1840: 357).

The placement of *Neoptosima* Théry as a subgenus of *Sponsor* Gory & Laporte by Cobos (1980) created the homonymy of *S. pinguis* Guérin-Méneville and *S. (N.) pinguis* (Fairmaire). *Neoptosima* was later synonymized with *Sponsor* by Holm & Wentzel (1991). The replacement name is chosen to honour Antonio Cobos Sanchez (formerly of Estacion Experimental de Zonas Aridas, Almeria, Spain) in recognition of his contributions to our knowledge of the polycetine lineage of Buprestidae.

**Tribe Buprestini** Leach

**Subtribe Chrysochroina** Laporte

*Megaloxantha alia* nom. nov.


**Subtribe Psiloperrina** Lacordaire

*Lampetis burgeoni* nom. nov.

*Lampetis overlaeti* (Burgeon, 1941: 161) (name preoccupied by *L. bayeti overlaeti* (Théry, 1937b: 292)).

Both Théry and Bourgon wished to honour the Belgian collector F.G. Overlaet but unfortunately chose to do so using the same genus. The new name honours L. Burgeon for his extensive work on the buprestid fauna of the Congo basin (Burgeon 1941).

**Lampetis ivaloui** nom. nov.

*Lampetis somalica* (Obenberger, 1940a: 258) (name preoccupied by *L. somalica* (Gahan, 1900: 25)).

Obenberger should have realized the priority of this species name from the synonymy of Gahan's taxon under *L. confossipennis* (Fairmaire) presented earlier (Obenberger 1926). The new name honours my mother, Ivalou Bellamy.

**Lampetis media** nom. nov.

*Lampetis intermedia* (Obenberger, 1924a: 47) (name preoccupied by *L. intermedia* (Kerremans, 1898: 276)).

Obenberger (1924a) missed the earlier use of this epithet by Kerremans (1898) when he described his species and again later in his catalogue (Obenberger, 1926). Both authors chose the name to indicate that the taxa were intermediate between the variation observed in two other congeners, also reflected by the new name.

**Palmar stigmata** nom. nov.

*Palmar pantherina* (Deyrolle, 1864: 60) (name preoccupied by *P. pantherina* (Thomson, 1857: 114)).

This case of homonymy has been overlooked because of the original placement by Thomson (1857) of his taxon in *Stigmodera* Eschscholtz, while Deyrolle's species was described in *Poecilonota* Eschscholtz. Gemminger & Harold (1869) listed both species, but transferred *S. pantherina* Thomson to *Conognatha* Eschscholtz. Saunders (1871) listed *S. pantherina* Thomson under *Poecilonota* but failed to include Deyrolle's species. Obenberger failed to include *S. pantherina* Thomson in the Coleopterorum Catalogus (e.g. 1930a, 1934a), while listing *P. pantherina* Deyrolle in *Lampra* Boisduval & Lacordaire. The confusion regarding the genera *Lampra*, *Scintillatrix* Obenberger, *Palmar* Schaeffer and *Ovalisia* Kerremans was resolved with the rulings and type species designations provided by Opinion 1825 (ICZN 1996). As both of these taxa are now placed in *Palmar*, a new name for Deyrolle's taxon is needed and is derived from the Latin for 'spotted', obviously the concept he was emphasizing in the original name.
Tribe Anthaxiini Gory & Laporte
Subtribe Sphenopterina Lacordaire

**Sphenoptera (s. str.) alexeevi nom. nov.**
*Sphenoptera (s. str.) arnoldii* Alexeev, 1975: 143 (name preoccupied by *S. (Tropeopeltis) arnoldii* Théry, 1931: 44).

According to Article 58 of the ICZN (1996), variant spellings are deemed to be identical in the case of -i or -ii, and Alexeev’s species name is consequently a homonym. The new name honours Alexeev’s contributions to our knowledge of Russian and Mongolian Buprestidae.

**Sphenoptera (Hoplistura) alia nom. nov.**
*Sphenoptera (Hoplistura) fusiformis* Théry, 1937d: 216 (name preoccupied by *S. (Tropeopeltis) fusiformis* Kerremans, 1913b: 73).

Théry should have been aware of this preoccupation, but may have assumed that species from different subgenera are immune to homonymy. The Latin name alia means ‘another’.

**Sphenoptera (Chilostetha) cobosi nom. nov.**
*Sphenoptera (Chilostetha) tamerlani* Cobos, 1968: 379 (name preoccupied by *S. (Deudora) tamerlani* Obenberger, 1929: 32).

Cobos (1968) should have been aware of Obenberger’s (1929) species from Samarkand when he described a new species of *Sphenoptera (Chilostetha)* with the same name from Mongolia. The new name honours the many contributions of Antonio Cobos Sanchez.

**Sphenoptera (Tropeopeltis) gussmanni nom. nov.**
*Sphenoptera (Tropeopeltis) cupriventris* Kerremans, 1890: 203 (name preoccupied by *S. cupriventris* Gory & Laporte, 1839: 18).

Kerremans (1890) failed to note the previous use of this species name by Gory & Laporte (1839), currently classified as a synonym of *S. gemellata* Mannerheim. The new name honours Sybille M. V. Gussmann (Transvaal Museum) for her studies on southern African *Julodis* Eschscholtz. This new name will remain as a junior synonym of *S. gemellata*.

**Sphenoptera (Tropeopeltis) bilyi nom. nov.**
*Sphenoptera (Tropeopeltis) planidorsa* Bilý, 1973: 16 (name preoccupied by *S. (Hoplistura) planidorsa* Kerremans, 1913a: 561).

Bilý (1973) did not notice this preoccupation but possibly missed it in the subgeneric separation of this large genus in Obenberger’s catalogue (1930a). Nonetheless, the new name honours Svatopluk Bilý for his contributions to our understanding of both adult and larval Buprestidae.

Tribe Chrysobothrini Laporte & Gory
Subtribe Chrysobothrina Laporte & Gory

**Chrysobothris affinis kostini nom. nov.**
*Chrysobothris affinis mali* Kostin, 1973: 92 (name preoccupied by *C. mali* Horn, 1886: 97).

Kostin (1973) failed to notice that his choice of a subspecific epithet of *C. affinis* was preoccupied by the much earlier name of a common western North American species. The new name acknowledges Kostin’s work on the central Asian fauna.

**Chrysobothris bilyi nom. nov.**

Théry (1940) missed the use by Obenberger (1916) of the same specific name in the large genus *Chrysobothris* Eschscholtz. Obenberger’s species was described from Bulgaria, while Théry’s was from Zaïre (now the Democratic Republic of the Congo). The new name is chosen to honour Svatopluk Bilý.

**Chrysobothris strigicollis nom. nov.**

Fisher (1930) missed the earlier use of the same species name that he chose for a new Malaysian species, while the first use of this combination by Théry (1898) was for a species from Ethiopia and Somalia. The new name is for the country of origin.

**Chrysobothris waynei nom. nov.**

When Pochon (1972) described the new genus *Ceratobothris*, he included two new species, *C. freyi* and *C. horvathi*. However, since he did not designate either of these species as type species, *Ceratobothris* is unavailable according to Article 13b of the ICZN (1996). Nevertheless, Cobos (1978b) synonymized *Ceratobothris* with *Chrysobothris* Eschscholtz, thereby creating this homonymy.
Chrysobothris horvathi Gebhardt is from India, while C. horvathi (Pochon) is from Brazil. The new name honours my father, Charles Wayne Bellamy.

Subfamily Agrilinae Laporte
Tribe Agrilini Laporte
Subtribe Agrilina Laporte

Agrilus alexeevi nom. nov.

The second use of this species name in Agrilus by Alexeev & Bíly (1980) for a species from Bulgaria must change owing to the preoccupation of the name by A. dualis Kerremans (1903) from Brazil. This name was overlooked because of the failure of the catalogues of Obenberger (1936) and Blackwelder (1944) to list the Brazilian species. The new name is chosen to honour A.V. Alexeev for his contributions to our understanding of the Agrilus of Eurasia.

Agrilus angolus nom. nov.

Waterhouse (1889) questioned his placement of A. dissimilis in Agrilus, and the species was included by some authors (e.g. Obenberger 1934b; Blackwelder 1944) in Paradomorphus Solier until placement in Agrilus was confirmed by Hespenheide (1979). The original combination does not permit Théry’s (1947b) subsequent use of the same combination for a species from Angola, the basis for the new name.

Agrilus brasilius nom. nov.
Agrilus alutaceicollis Obenberger, 1933: 35 (name preoccupied by A. alutaceicollis Obenberger, 1930b: 110).

Obenberger used the same species name twice: (1930b) for a species from Siberia and the second (1933) for one from Brazil. The new name is for the country of origin.

Agrilus curleltii nom. nov.
Agrilus frontalis Kerremans, 1898: 322 (name preoccupied by A. frontalis Gory & Laporte, 1837: 26).

Owing to the synonymy of Paradomorphus Waterhouse with Agrilus by Hespenheide (1974a), a number of nomenclatural changes became necessary and some were made by Hespenheide (1974a). Agrilus frontalis Gory & Laporte was classified in Paradomorphus by authors including Kerremans (1903), Obenberger (1934b) and Blackwelder (1944). The original combination, however, still precluded Kerremans’ (1898) subsequent use of this epithet for an African species. The new name honours Gianfranco Curletti (Museo Civico di Storia Naturale, Carmagnola, Italy) for his studies on the African Agrilus.

Agrilus descarpentriesi nom. nov.
Agrilus latevittatus Descarpentries & Villiers, 1963: 13 (name preoccupied by A. latevittatus (Waterhouse, 1889: 54)).

The transfer of Paradomorphus latevittatus Waterhouse to Agrilus by Hespenheide (1974a) requires a new name for the species by Descarpentries & Villiers. The new name honours André Descarpentries (formerly of the Museum National d’Histoire Naturelle, Paris) for his contributions to our knowledge of Buprestidae.

Agrilus guineus nom. nov.

The combination of Agrilus brasiliensis was first used by Gory & Laporte (1837) for a species now placed in Paragrilus Saunders. The subsequent use of A. brasiliensis by Kerremans (1899) requires a new name, one chosen to reflect the Brazilian province of origin.

Agrilus indius nom. nov.
Agrilus confusus Cobos, 1959: 147 (name preoccupied by A. confusus Waterhouse, 1889: 104).

Cobos (1959) overlooked the previous use of this epithet by Waterhouse (1889) for a Panamanian species, when he (Cobos 1959) described this Guinean species. The new name is for the country of origin.

Agrilus joyaz nom. nov.
Agrilus confusus Cobos, 1959: 147 (name preoccupied by A. confusus Waterhouse, 1889: 104).

Cobos (1959) overlooked the previous use of this epithet by Waterhouse (1889) for a Panamanian species, when he (Cobos 1959) described this Guinean species. The new name is for the country of origin.

Agrilus indius nom. nov.
Agrilus cyaneofasciatus Théry, 1930: 161 (name preoccupied by A. cyaneofasciatus Obenberger, 1924b: 572).

Owing to an error in the alphabetical sequence in the Agrilus portion of the Coleopterorum Catalogus, Obenberger (1936) failed to recognize these homonyms which should have been listed
consecutively but were separated on adjacent pages. Théry’s species from India requires a new name.

**Agrilus legwai nom. nov.**


The emerging consensus on the subgenera of *Agrilus* (e.g. Curletti 1993; Bellamy 1996b) from the Afrotropical Region, proposed by Curletti (1993) removed doubts about the classification of *Diplolophotus* Abeille de Perrin under *Agrilus* (see Bellamy 1996b). Théry’s (1905) use of the name *D. tristis* for a Madagascan species was preoccupied by Deyrolle’s species from Singapore. The new name honours Jan Legwai (Transvaal Museum) for his work in the Coleoptera Department.

**Agrilus mametse nom. nov.**


The subgeneric placement of *Agrilornorphus* Théry under *Agrilus* by Curletti (1993) created this homonymy. The new name honours Suzan Mametse (Transvaal Museum) for her work in the Coleoptera Department.

**Agrilus mathabathei nom. nov.**


Théry (1948) overlooked the earlier use of this species name by Dugès (1891) for a Mexican species when describing a new species from Angola. The new name honours Matthews Mathabathe (Transvaal Museum) for his many years of service to the Coleoptera Department.

**Agrilus minimus nom. nov.**

*Agrilus exigus* Kerremans, 1897: 106 (name preoccupied by *A. exigus* Gory & Laporte, 1837: 67).

*Agrilus exigus* Gory & Laporte is currently placed in *Panagrilus* and is consequently a homonym of *P. exigus* (Chevrolet), the name is preoccupied, and Kerremans’ taxon requires a new name. The name reflects the concept of small size, as does *exigus*.

**Agrilus sanpauloi nom. nov.**

*Agrilus mrazi* Obenberger, 1933: 21 (name preoccupied by *A. mrazi* (Obenberger, 1922: 152)).

The synonymy of *Paradomorphus* under *Agrilus* created this case of homonymy with the new name chosen for the Brazilian Province of São Paulo.

**Agrilus sorocinus kurosawus nom. nov.**


Kurosawa (1963) was unaware of the earlier use of this species name by Fisher (1935) when he described a new Japanese subspecies. The new name honours Prof. Y. Kurosawa (formerly of the National Science Museum, Tokyo) for his contributions to our knowledge of Japanese and Asian Buprestidae.

**Subtribe Coraebina Bedel**

**Meliboeus angolus nom. nov.**


Théry twice used the species epithet *hancocksi* for different species of the large genus *Meliboeus* Deyrolle. The first was for a species from Cameroon (Théry 1937c) and the second for a distinct species from Angola (Théry 1947b). The new name reflects the country of origin.

Tribe *Trachydini* Gory & Laporte

Subtribe *Trachydina* Gory & Laporte

**Trachys mathaba nom. nov.**

*Trachys delectabilis* Obenberger, 1937b: 78 (name preoccupied by *Trachys delectabilis* Kerremans, 1900: 58).

Obenberger (1937b) used an epithet for a new species of *Trachys* Fabricius from Zaire already in use in the same combination by Kerremans (1900) for a Sumatran species. Despite the varying preference of treating *Habroloma* C.G. Thomson as a distinct genus or as a subgenus of *Trachys*, this combination dates to Kerremans’ first use. The new name honours Cyprian Mathaba (Coleoptera Department, Transvaal Museum) for his contributions.

**Habroloma holynskii nom. nov.**


Holyński (1981) sometimes recognized unsupported combinations, such as ‘reducing'
Habroloma to a subgenus of Trachys in his paper on Vietnam Buprestidae. His Vietnamese subspecies T. tecmessa kaszabi Obenberger became the junior homonym of Pochon’s earlier (1965) use for a species from Ethiopia. The replacement name was chosen to honour Roman Holynski in appreciation of his many contributions.

Subtribe Leiopleurina Holynski

Leiopleura rosae nom. nov.
Leiopleura fisheri Théry, 1947a: 681 (name preoccupied by L. fisheri (Obenberger, 1932: 233)).

With the synonymy of Leiopleurella Fisher under Leiopleura Deyrolle by Cobos (1978a), a new name is required for Théry’s species from Dominica. The new name is chosen to honour my wife, Rose Bellamy.

Subtribe Brachydina Cobos

Lius hespenheidei nom. nov.
Lius politus Kerremans, 1903: 323 (name preoccupied by L. politus Saunders, 1876: 48).

This case of homonymy has been overlooked until now because compilers of catalogues have failed to include both taxa. Obenberger (1937a) listed Kerremans species but not that of Saunders, while Blackwelder (1944) listed Saunders’ species but not that of Kerremans (1903). Leiopleura polita Waterhouse was changed to Lius waterhousei Hespenheide following its transfer to Lius (Hespenheide 1973). The new name honours Henry Hespenheide (University of California, Los Angeles) for his contribution to our understanding of the Central American leaf-mining Buprestidae.

Subtribe Pachyschelina Böving & Craighead

Pachyschelus atratus muelleri nom. nov.
Pachyschelus atratus peruvianus Obenberger, 1940b: 176 (name preoccupied by P. peruvianus Kerremans, 1899: 357).

The use of the subspecific name peruvianus by Obenberger (1940b) in combination with the genus Pachyschelus Solier, was not observed by Obenberger (1937a) where he listed Kerremans’ (1899) previous use of the name. The new subspecies name honours Ruth Müller (Collection Manager of the Coleoptera Department) for many years of service and important contributions to the Transvaal Museum.

Hylaeogena alia nom. nov.
Hylaeogena modesta Cobos, 1967a: 227 (name preoccupied by H. modesta (Waterhouse, 1889: 147)).

With the transfer of the Panamanian Pachyschelus modestus Waterhouse to Hylaeogena Obenberger, proposed by Hespenheide (1974b), H. modesta Cobos (1967a) from Brazil requires a new name. The new name is Latin for ‘another’.

Tribe Aphanisticini Jacqueline du Val
Subtribe Aphanisticina Jacqueline du Val

Aphanisticus fisheri nom. nov.

Fisher (1933, 1936) twice used the species name pendleburyi for Malaysian species of the large genus Aphanisticus Latrielle. The first was for a species from the State of Perak and the second for a species from Selangor. The replacement name honours the contributions of the late W.S. Fisher (National Museum of Natural History, Washington, D.C.) to our knowledge of the Malaysian buprestid fauna.

Subtribe Cylindromorphina Portevin

Paracylindromorphus starki nom. nov.

Stark (1952) may have missed the earlier use of P. richteri by Théry (1937a) owing to its synonymy with P. japonensis Saunders. The new name honours the late V.N. Stark (Moscow) for contributions to our knowledge of Russian buprestids.

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