

## Taxonomic and nomenclatural notes on the genus *Agrilus* Curtis (Coleoptera: Buprestidae: Agrilini)

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### Abstract

The following taxonomic or nomenclatural changes are proposed: *Agrilus acastus* Kerremans, 1913 (= *ohbayashii* Tôyama, 1987 **syn. nov.**); *A. adonis* Deyrolle, 1864 (= *falsulus* Obenberger, 1924 **syn. nov.**); *A. albopunctatus* Deyrolle, 1864 (= *nepos* Kerremans, 1900 **syn. nov.**); *A. angustulus* (Illiger, 1803) (= *laeticeps* Semenov, 1890 **syn. nov.**); *A. basilewskyanus* Descarpentries & Villiers, 1963 **correct original spelling**; *A. birmanicus* Kerremans, 1892 (= *legitimus* Obenberger, 1936 **syn. nov.**); *A. cairnensis* Obenberger, 1959 **correct original spelling** (= *cairnensis* Curletti, 2001 unjustified emendation **syn. nov.**); *A. chekiangensis* Gebhardt, 1929 (= *semivittatus* Tôyama, 1985 **syn. nov.**); *A. confutus* Obenberger, 1936 (= *conjectus* Obenberger, 1936 **syn. nov.**); *A. convergens* Fisher, 1930 (= *japanensis* Obenberger, 1935 **syn. nov.**); *A. croaticus* Abeille de Perrin, 1897 (= *serbicus* Obenberger, 1927 **syn. nov.**); *A. cyanipennis* Gory & Laporte, 1837 (= *ornativentris* Saunders, 1866 **syn. nov.**; = *agilis* Kerremans, 1894 **syn. nov.**; = *amabilicolor* Obenberger, 1936b **syn. nov.**); *A. decoloratus decoloratus* Kerremans, 1892 (= *afghanistanicus* Alexeev in Alexeev, Volkovitsh & Kabakov, 1992 **syn. nov.**); *A. dignus* Kerremans, 1912 (= *csikii* Gebhardt, 1925 **syn. nov.**; = *kayan* Fisher, 1930 **syn. nov.**); *A. discicollis* Deyrolle, 1864 (= *punctiventris* Kerremans, 1900 **syn. nov.**); *A. ecarinatus* Marseul, 1866 (= *gracilicornis* Ganglbauer, 1890 **syn. nov.**); *A. erythrostickus* Bourgoïn, 1922 (= *barmensis* Obenberger, 1936 **syn. nov.**); *A. fleischeri* Obenberger, 1925 (= *kurosawai* Obenberger, 1940 **syn. nov.**; = *tscherepanovi* Stepanov, 1954 **syn. nov.**); *A. lineariformis* **new replacement name** (= *lineatus* Kerremans, 1899 **syn. nov.**); *A. maculiventris* Deyrolle, 1864 (= *opulentus* Kerremans, 1900b **syn. nov.**, = *woodlarkianus* Kerremans, 1900c **syn. nov.**, = *viridissimus* Cobos, 1964 **syn. nov.**); *A. marginicollis* Saunders, 1873 (= *beppuensis* Obenberger, 1936 **syn. nov.**); *A. moerens* Saunders, 1873 (= *araxicola* Abeille de Perrin, 1897 **syn. nov.**); *A. monogrammus* Thomson, 1879 (= *kabakovi* Alexeev in Alexeev, Volkovitsh & Kabakov, 1992 **syn. nov.**); *A. ocellaris* Deyrolle, 1864 (= *bidentellus* Obenberger, 1924 **syn. nov.**); *A. paganettii* Obenberger, 1913 (= *pisanus* Curletti, 1980 **syn. nov.**); *A. perniciosus* Deyrolle, 1864 (= *perniciosus* Obenberger **unavailable name**, = *subperniciosus* Obenberger, 1936 **unavailable name**); *A. perviridis* Kerremans, 1894 (= *singaporensis* Obenberger, 1924 **syn. nov.**); *A. quadrisignatus* Marseul, 1866 (= *mongoliae* Obenberger, 1922; = *lama* Obenberger, 1935 **syn. nov.**); *A. sospes* Lewis, 1893 (= *kinoshitae* Obenberger, 1936 **syn. nov.**; = *quadristictulus* Oben-

berger, 1940 **syn. nov.**); *A. seladon* Obenberger, 1940 (= *komiya* Tôyama, 1987 **syn. nov.**); *A. shaumae* Descarpentries & Villiers, 1963 **correct original spelling**; *A. spesivcevi* Obenberger, 1927 **correct original spelling**; *A. subrobustus* Saunders, 1873 (= *kumamotoi* Tôyama, 1987 **syn. nov.**); *A. tricolor* Deyrolle, 1864 (= *chalybeus* Deyrolle, 1864 **syn. nov.**); *A. turcicus* Marseul, 1866 (= *friwaldskyi* Marseul, 1866 **syn. nov.**); *A. ulaangomiensis* Cobos, 1972 **species revalidated**; *A. ussuricola* Obenberger, 1924 (= *lasiolus* Obenberger, 1935 **syn. nov.**); *A. vilis* Saunders, 1874 (= *davaoensis* Fisher, 1921 **syn. nov.**); *A. viridanus* (Kerremans, 1900) (= *subpubescens* Fisher, 1921 **syn. nov.**); *A. viridicaerulans* Marseul, 1868 **correct original spelling**; *A. viridicaerulans rubi* Schaefer, 1937 (= *roswitha* Bellamy, 2003 **syn. nov.**). The name *praeoccupatus* Hoscheck, 1931 is **removed from synonymy** of *Agrilus ocellaris* Deyrolle, 1864 and placed in synonymy under *Endelus tristis* Kerremans, 1900. Type localities are determined by the lectotype for: *A. buresi* Obenberger, 1935; *A. curtii* Obenberger, 1913; *A. paganettii* Obenberger, 1913; *A. spectabilis* Kerremans, 1895 and *A. lasiolus* Obenberger, 1935. The original type locality was confused for *A. araxicola* Abeille de Perrin, 1897. Lectotypes of 61 species are designated. Distributional overviews are given for: *A. cinctus* (Olivier, 1790); *A. diolaus* Obenberger, 1958; *A. quadrisignatus* Marseul, 1866; *A. sospes* Lewis 1893; *A. subrobustus* Saunders, 1873 and *A. ussuricola* Obenberger, 1924.

**Key words:** Taxonomy, nomenclature, synonymy, Coleoptera, Buprestidae, Agrilinae, *Agrilus*

## Introduction

This study presents further taxonomic clarifications in the genus *Agrilus* Curtis, 1825 based on an examination of type specimens. See Jendek (1994, 1995, 1998, 2000, 2001, 2003) for prior taxonomic changes. The present work is primarily focused on the Palearctic and Oriental faunas, but with one taxonomic act involving a South American taxon (*A. lineariformis* **new replacement name** (= *lineatus* Kerremans, 1899 **syn. nov.**)). The name *praeoccupatus* Hoscheck, 1931 is removed from synonymy under *Agrilus ocellaris* Deyrolle, 1864 and placed in synonymy under *Endelus tristis* Kerremans, 1900.

## Material and methods

The following abbreviations are used in the text: square brackets “[ ]” are used for my remarks and addenda; [p], preceding data ‘printed’; [h], preceding data ‘handwritten’; MS, handwritten (manuscript); [sic!] (= so, thus), a word or phrase that appears strange or incorrect but has been written intentionally or quoted verbatim. A backslash “\” is used to separate data from different labels.

The following collection codens are used throughout the text: BMNH, The Natural History Museum, London, England; CAS, California Academy of Sciences, San Francisco, California, U.S.A; DEI, Deutsches Entomologisches Institut, Eberswalde, Germany; EJCB, Collection of E. Jendek, Slovak Academy of Sciences, Bratislava, Slovakia;

HNHM, Hungarian Natural History Museum, Budapest, Hungary; IRSN, Institut Royal des Sciences Naturelles de Belgique, Bruxelles, Belgium; IZAS, Academia Sinica, Institute of Zoology, Beijing, China; MCNC, Museo Civico di St. Naturale di Carmagnola, Carmagnola, Italy; MNHN, Muséum national d'Histoire naturelle, Paris, France; MNMS, Museo Nacional de Ciencias Naturales, Madrid, Spain; NHMB, Naturhistorisches Museum, Basel, Switzerland; NMPC, Národní muzeum, Prague, Czech Republic; NSMT, National Science Museum, Tokyo, Japan; RMNH, Nationaal Natuurhistorische Museum ("Naturalis"), Leiden, Netherlands, [formerly Rijksmuseum van Natuurlijke Historie]; SZMN, Institute of Animal Systematics and Ecology, Siberian Zoological Museum, Novosibirsk, Russia; USNM, United States National Museum of Natural History, Smithsonian Institution, Washington D.C., U.S.A; ZIN, Russian Academy of Sciences, Zoological Institute, St. Petersburg, Russia.

Taxa are listed in alphabetical order and names in synonymy are chronological. In the following text, each examined taxon is given in its original generic combination and rank. All new nomenclatural or taxonomic acts are indicated by boldface.

According to Article 74.7.3 of the ICZN (1999), lectotype designations after 1999 "must contain an express statement of the taxonomic purpose of the designation". Lectotype designations herein are provided in order to preserve the stability of nomenclature by fixing the status of the specimen as the sole name-bearing type of a particular nominal taxon and in order to specify the type locality. Some lectotype designations are not followed by any taxonomic act but are intended to serve as resources for subsequent revisions since a limited number of type specimens are available. Lectotype designations were made with careful attention to previously accepted usage of a name.

Subsequently fixed name-bearing types of species-group names were provided with a printed red label bearing all relevant data including: type status (e.g., lectotype, paralectotype), specific name in original generic combination and rank, author of name and year of publication, name of designator and year of designation.

The distribution overviews as presented are given only for species with new faunistic records or for those with revised distributions.

Text originally written in Cyrillic characters is transliterated to Latin characters. Transliteration is based on the British standard.

### ***Agrilus abdominalis* Saunders**

*Agrilus abdominalis* Saunders, 1874: 325. **Lectotype by present designation**, sex not determined, BMNH: "Type H. T. [p] [round label with red border] \ NE Luzon [h] [round white label] \ abdominalis ES Type [h]". The exact number of syntypes is unknown.

### ***Agrilus acastus* Kerremans**

= *ohbayashii* Tôyama, 1987 **syn. nov.**

*Agrilus acastus* Kerremans, 1913: 114. Lectotype designated by Jendek (2000).

*Agrilus ohbayashii* Tôyama, 1987: 308. Holotype, ♂, NSMT: “Sengpei Formosa 30.VII.1976 K. Matsuda [h] [blue label] \ HOLOTYPE [p] *Agrilus ohbayashii* Tôyama, 1986 [h] [red label]”. Described from seven type specimens.

**Remarks.** The locality data of the holotype of *A. ohbayashii* Tôyama does not correspond to the type locality “Shanping near Liukuei, Kaohsiung Hsien, Taiwan” stated by Tôyama (1987).

### *Agrilus adonis* Deyrolle

= *falsulus* Obenberger, 1924 **syn. nov.**

*Agrilus adonis* Deyrolle, 1864: 139, 171–172. Lectotype designated by Jendek (1998).

*Agrilus falsulus* Obenberger, 1924a: 562, 583–584. Lectotype by Bellamy (1993), ♂, USNM: “Singapore Coll. Baker [p] \ 12611 [h] \ TYPUS [p] [red label] \ *Agrilus falsulus* m. Type [h] Det. Dr Obenberger [p] \ TypeNo. [p] 57694 [h] U.S.N.M. [p] [red label] \ *Agrilus falsulus* Obenb. [h] [red label]”. The exact number of syntypes is unknown.

**Remarks.** The original description of *A. falsulus* Obenberger neither implies nor requires that there were syntypes. Bellamy (1993: 360), by mentioning “the holotype”, validly fixed the lectotype (ICZN, Article 74.6).

### *Agrilus albopunctatus* Deyrolle

= *nepos* Kerremans, 1900 **syn. nov.**

*Agrilus albopunctatus* Deyrolle, 1864: 139, 166. Lectotype designated by Jendek (1998).

*Agrilus nepos* Kerremans, 1900b: **Lectotype by present designation**, ♀, BMNH: “TYPE [p] [round label with red border] \ Bornéo Stauding. [Kerremans' MS] \ *nepos* Kerr. Type [Kerremans' MS] \ Kerremans 1903–59 [p] \ *A. nepos* Kerrem. Bornéo [h]”. The exact number of syntypes is unknown.

### *Agrilus angustulus* (Illiger)

= *laeticeps* Semenov, 1890 **syn. nov.**

*Buprestis angustula* Illiger, 1803: 240–244. Type not traced.

*Agrilus laeticeps* Semenov, 1890: 342. Holotype by monotypy, ♀, ZIN: “Cauc[casus]. Mlokos [?] [h] \ *Agrilus laeticeps* m. typ. un. AS. XI. 90 [h] \ Coll. Semenov-Tian-Shansky [p] \ Holotypus [p] [red label] \ *Agrilus angustulus* Ill. female det. Alexeev [h]”.

**Remarks.** The conspecificity of *A. angustulus* and *A. laeticeps* is judged from the generally accepted concept of *A. angustulus* (e.g. Schaefer 1949, Cobos 1986, Bílý 1989, Curletti 1994 or Niehuis 2004).

### *Agrilus auropictus* Kerremans

*Agrilus auropictus* Kerremans, 1912b: 208. **Lectotype by present designation**, ♀, MNHN: “Taihorin Formosa H. Sauter 1911 [p] \ *auropictus* Kerr. Type [h] \ MUSEUM PARIS COLL. CH. KERREMANS 1923 [p] [yellow label]”. Two paralectotypes from the same locality are deposited in DEI. The exact number of syntypes is unknown.

***Agrilus basilewskyanus* Descarpentries & Villiers correct original spelling**

*Agrilus basilewskyanus* Descarpentries & Villiers, 1963b: 6, 22–23. Holotype in MNHN. Described from the holotype.

**Remarks.** The name of this species was cited by Descarpentries & Villiers (1963b) as *basilewskyanus* on page 6 and as *basilewskyanus* on page 22. There is an indication (Horn & Kahle 1935, 1937) that this species was named after “Basilevsky, Georgij Petrovitsh”. As a first reviser (ICZN, Article 24.2.3) I consider *basilewskyanus* to be the correct original spelling.

***Agrilus birmanicus* Kerremans**

= *legitimus* Obenberger, 1936 **syn. nov.**

*Agrilus birmanicus* Kerremans, 1892: 211–212. Holotype by monotypy, sex not determined, MNHN: “Hte Birmanie, Etat de Momeit 600 m Doherty 1890 [p] \ birmanicus Kerr. Type [h] \ Kerremans vidit 1892 [p] \ collectio OBERTHUR [p]”.

*Agrilus legitimus* Obenberger, 1936a: 42. **Lectotype by present designation**, sex not determined, NMPC: “Malaya [h] \ TYPUS [p] [red label] \ *Agrilus legitimus* m. Type [h] Det. Dr. Obenberger [p]”. The exact number of syntypes is unknown.

***Agrilus buresi* Obenberger**

*Agrilus sulcicollis buresi* Obenberger, 1935b: 54–55. **Lectotype by present designation**, ♀, NMPC: “Sofia Bulg. [h] \ TYPUS [p] [red label] \ *A. sulcicollis* ssp. Bureši m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24874 [h] [orange label]”. The exact number of syntypes is unknown.

**Type locality.** “Sofia, Bulgaria”. Type locality determined by lectotype (ICZN, Article 76.2).

**Remarks.** Described from “Bulgaria”.

***Agrilus cairnsensis* Obenberger correct original spelling**

= *cairnsensis* Curletti, 2001 **syn. nov.**

*Agrilus cairnsensis* Obenberger, 1959: 239. A single syntype is deposited in NMPC. The exact number of syntypes is unknown.

**Remarks.** Curletti (2001: 27) emended the name of this species from *cairnsensis* to *cairnsensis* based on the “holotype” label name written as “*cairnsensis*” and the type locality “Cairns”. However, there is no clear evidence of an inadvertent error in the original publication (ICZN, Article 32.5.1). Therefore the name *cairnsensis* Obenberger, 1959 is the correct original spelling, while the name *cairnsensis* Curletti, 2001 is an **unjustified emendation**.

***Agrilus chekiangensis* Gebhardt**

= *semivittatus* Tôyama, 1985 **syn. nov.**

*Agrilus chekiangensis* Gebhardt, 1929: 33–34. **Lectotype by present designation**, ♀, NMPC: “China Chekiang [p] \ TYPUS [p] [red label] \ *A. chekiangensis* m. Type [h] Det. Dr. A. v. Gebhardt [p] \ Mus. Nat. Pragae Inv. [p] 26477 [h] [orange label]”. A single paralectotype is deposited in RMNH (R.Holynski pers. com.). The exact number of syntypes is unknown.

*Agrilus semivittatus* Tôyama, 1985: 44–45. Holotype, ♂, NSMT: “Mt. Kompira, Nagasaki C. 1.VII.1954, Coll. S. Ikushima [h] \ HOLOTYPE [p] *Agrilus semivittatus* M. Tôyama, 1985 [h] [red label]”. Described from six specimens.

**Material examined.** **CHINA: Fujian:** 1 ♀ (EJCB): “China, Fujian prov. bor. occ., Shaowu env. 25 km road, Shaowu-Taining 6–10.7.1991”; 1 ♂, 1 ♀ (EJCB): “China, Fujian prov., Shaowu env., 23–27.vi.1991”; **Hunan:** 1 ♂ (EJCB): “China Hunan SE 1994, Guidong env. 26–31.V., 26.04N 113.56E”; **Jiangxi:** 1 ♀ (EJCB): “China Jiangxi W, Jinggang Shan–Ciping, 2–14.VI.1994”; **Shaanxi:** 1 ♀ (EJCB): “China, Shaanxi pr. Hua Shan, 17–21.6.1991”; **Sichuan:** 1 ♀ (EJCB): “China-Sichuan, Pingwu, 32°15'N, 104°16'E, 3–9.6.1997”; 1 ♀ (EJCB): “China: Sichuan, Guanxian 600 m, 12–14.VII.1990”; **Yunnan:** 40 exs (EJCB): “China, Yunnan 22.V.–2.VI.1993 100km W of Kunming, Diaolin Nat. Reservation”; 14 exs (EJCB): “Yunnan 2000m, 25.03N 101.55E, Yipinglang 8–10/6.,1993”; 2 ♂♂ (EJCB): “Yunnan 1500–1600m, 23.04N 104.25E, Maguan 25–26.6.1994”; 2 ♀♀ (EJCB): “China, Yunnan prov., Lufeng, Yipinglang, 23.VII.1994”; 1 ♀ (EJCB): “China, Yunnan W, Tengchong env., 10–13.VI.1993”; **JAPAN: Fukuoka:** 1 ♂ (EJCB): “Mt. Homan-San, Dazaifu city, Fukuoka pref., 9.VI.1993, S. Ohmomo leg.”.

**Distribution.** China (Fujian, Hunan, Jiangxi, Shaanxi, Sichuan, Yunnan, Zhejiang provinces); Japan (Kyushu island).

### *Agrilus cinctus* (Olivier)

*Buprestis cincta* Olivier, 1790: 90. Two syntypes are deposited in BMNH.

**Remarks.** Muskovits (2002), Muskovits & Hegyessy (2002) and Muskovits et al. (2003) recorded *A. cinctus* from Hungary. Vít Kubáň (pers. com) examined specimens in the Muskovits collection determined as “*cinctus*”. Some of these represent *A. croaticus* Abeille de Perrin, 1897 and others represent *A. cuprescens* (Ménétriés, 1832). Records of *A. cinctus* from Bulgaria (Sakalian 2003); Austria, Bosnia, Croatia, Macedonia, Slovenia, Switzerland and Yugoslavia (Bílý 2002); and the southwestern part of the former Soviet Union (Alexeev 1959) are also likely based on misidentifications.

**Type locality:** “Brive-la-Gaillarde” region Limousin, France.

**Distribution.** Belgium (Hastir & Gaspar 2002), France, Germany (e.g. Niehuis 2004), Portugal (Ladeiro 1949), Spain (e.g. Verdugo Paéz 2003).

### *Agrilus comes* Kerremans

*Agrilus comes* Kerremans, 1896: 140. **Lectotype by present designation**, ♀, BMNH: “TYPE [p] [round label with red border] \ Sumatra Manuf. Tabacs [Kerremans' MS] \

comes Kerr. Type [Kerremans' MS] \ Kerremans 1903–59 [p] \ A. comes Kerrem. Sumatra [h]”. The exact number of syntypes is unknown.

***Agrilus confutus* Obenberger**

= *conjectus* Obenberger, 1936 **syn. nov.**

*Agrilus confutus* Obenberger, 1936a: 33. **Lectotype by present designation**, ♂, NMPC: “Butuan, Mindanao, Baker [p] \ TYPUS [p] [red label] \ A. confutus m. Type [h] Det. Dr. Obenberger [p]” and a paralectotype with the same locality data. The exact number of syntypes is unknown.

*Agrilus conjectus* Obenberger, 1936a: 41–42. **Lectotype by present designation**, ♀, NMPC: “Butuan, Mindanao, Baker [p] \ TYPUS [p] [red label] \ A. conjectus m. Type [h] Det. Dr. Obenberger [p]”. The exact number of syntypes is unknown.

***Agrilus convergens* Fisher**

= *japanensis* Obenberger, 1935 **syn. nov.**

*Agrilus convergens* Fisher, 1930: 72–73. Holotype by monotypy, ♀, USNM: “N. BORNEO, SAMAWANG, NR. SANDAKAN [p] jungle 15th [h] 1927 [p] \ TypeNo [p] 57431 [h] USNM [p] [red label] \ *Agrilus convergens* Fisher”.

*Agrilus tripartitus japonensis* Obenberger, 1935a: 170. Lectotype by Kurosawa (1989), ♀, NMPC: “Sumatra ou Borneo non Japon [h] \ Japan [p] \ TYPUS [p] [red label] \ Mus. Nat. Pragae Inv. [p] 26480 [h] [orange label] \ *Agrilus tripartitus* ssp. *japanensis* m. Type [h] Det. Dr. Obenberger [p]”. The exact number of syntypes is unknown.

**Remarks.** The original description of *A. tripartitus japonensis* Obenberger neither implies nor requires that there were syntypes. Kurosawa (1989: 191–192), by mentioning “the type”, validly fixed the lectotype (ICZN, Article 74.6). The original type locality “Japan” is presumably mistaken (Kurosawa 1989).

***Agrilus croaticus* Abeille de Perrin**

= *curtii* Obenberger, 1913

= *serbicus* Obenberger, 1927 **syn. nov.**

*Agrilus croaticus* Abeille de Perrin, 1897: 6, 21.

**Remarks.** A single syntype is deposited in NMHN but was not available for study. The conspecificity of *A. croaticus* and *A. serbicus* is based on the generally accepted concept of *A. croaticus*.

*Agrilus albogularis* variety *curtii* Obenberger, 1913: 9. **Lectotype by present designation**, ♂, NMPC: “Bisamberg A. i. Winkler [p] \ TYPUS [p] [red label] \ v. *Curtii* m. v. [h] Det. Dr. Obenberger [p] Typus [h] \ Mus. Nat. Pragae Inv. [p] 24955 [h] [orange label]” and one paralectotype, ♀ from: “Wien, Umg.”. A single paralectotype from “Hungaria, Uj. Pest” is deposited in DEI and another from “Umg. Wien” is deposited in NHMB. The exact number of syntypes is unknown.

**Type locality.** “Bisamberg bei Wien”, Austria. Determined by the lectotype (ICZN, Article 76.2).

**Remarks.** *Agrilus curtii* was described from multiple localities “Uj-Pest; Bisamberg bei Wien; Wien Umgebung”. The type locality becomes the place of origin of the lectotype. The name *curtii* was cited by Bílý (1993) as a synonym of *A. croaticus*. Mühle et al. (2000) studied types of both taxa and reconfirmed their conspecificity. Bílý (2002) treated *A. curtii* as a valid species without further explanation.

*Agrilus serbicus* Obenberger, 1927b: 75–76. **Lectotype by present designation**, ♀, NMPC: “Serbia [h] \ TYPUS [p] [red label] \ *A. serbicus* m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24958 [h] [orange label]”. The exact number of syntypes is unknown.

#### ***Agrilus crucifrons* Kerremans**

*Agrilus crucifrons* Kerremans, 1912a: 76. **Lectotype by present designation**, ♀, MNHN: “Matang Sarawak Moulton [h] \ *crucifrons* Kerr. Type [h] \ MUSEUM PARIS COLL. CH. KERREMANS 1923 [p] [yellow label]”. The exact number of syntypes is unknown.

#### ***Agrilus ctesias* Kerremans**

*Agrilus ctesias* Kerremans, 1913: 115. **Lectotype by present designation**, ♂, MNHN: “Kankau (Koshun) Formosa H. Sauter IV. 1912 [p] \ *ctesias* Kerr. Type [h] \ MUSEUM PARIS COLL. CH. KERREMANS 1923 [p] [yellow label]”. Three paralectotypes from the same locality are deposited in DEI and one in IRSN. The exact number of syntypes is unknown.

#### ***Agrilus cupratus* Kerremans**

*Agrilus cupratus* Kerremans, 1900a: 5, 22, 34–35. **Lectotype by present designation**, ♂, BMNH: “SYTYPE [p] [round label with blue border] \ Sumatra Weyers [Kerremans' MS] \ *cupratus* Kerr. Type [Kerremans' MS] \ Kerremans 1903–59 [p] \ *A. cupratus* Kerrem. Sumatra [h]” and a single paralectotype with the same locality data that is not conspecific with the lectotype. Described from three syntypes.

#### ***Agrilus cyanipennis* Gory & Laporte**

- = *ornativentris* Saunders, 1866 **syn. nov.**
- = *amabilis* Kerremans, 1893
- = *agilis* Kerremans, 1894 **syn. nov.**
- = *amabilicolor* Obenberger, 1936 **syn. nov.**

*Agrilus cyanipennis* Gory & Laporte, 1837: 18. Lectotype designated by Jendek (1998).

*Agrilus ornativentris* Saunders, 1866: 315. Lectotype designated by Descarpentries & Villiers (1963a), ♀, BMNH: “Laas [h] Mouhot [p] \ Type [p] \ Saunders 74.18 [p] \ orna-



tiventris in BM [h] C. M. F. von Hayek det. [scratched] 196 [p] 2 [h]”. The exact number of syntypes is unknown.

**Remarks.** The original description of *A. ornativentris* Saunders neither implies nor requires that there were syntypes. Descarpentries & Villiers (1963a: 52), by mentioning “the type” (“type: Laos (British museum)”), validly fixed the lectotype (ICZN, Article 74.6).

*Agrilus amabilis* Kerremans, 1893: 343. Holotype by monotypy, ♂, BMNH: “Type [p] [round label with red border] \ amabilis Kerr. [h] \ Kanara Andrewes [h] \ A. amabilis Kerrem. Inde [h] \ Kerremans 1903–59 [p]”.

**Remarks.** A junior primary homonym of *A. amabilis* Gory & Laporte, 1837.

*Agrilus agilis* Kerremans, 1894b: 471–472. **Lectotype by present designation**, sex not determined, BMNH: “Type [p] [round label with red border] \ Barway Cardon [h] \ agilis Kerr. Type [h] \ A. agilis Kerrem. Inde [h] \ Kerremans 1903–59 [p]”. The exact number of syntypes is unknown.

*Agrilus amabilicolor* Obenberger, 1936b: 91.

**Remarks.** A replacement name for *amabilis* Kerremans.

#### ***Agrilus decoloratus decoloratus* Kerremans**

= *afghanistanicus* Alexeev in Alexeev, Volkovitsh & Kabakov, 1992 **syn. nov.**

*Agrilus decoloratus* Kerremans, 1892: 213–214. Holotype by monotypy examined by Jendek (1995).

*Agrilus afghanistanicus* Alexeev in Alexeev, Volkovitsh & Kabakov, 1992: 378–379, 389. Holotype, ♂, ZIN: “Afganistan Nurestan C Waygal, 2200, 10 VII 72 Kabakov [h] \ Pr Af-Agr-115-74 ♂ [h] [in Russian] \ Holotypus [p] [red label] \ Agrilus afganistanicus [sic!] [h] Alexeev det. [p] sp. n. [h]”. Described from the holotype.

#### ***Agrilus densetomentosus* Obenberger**

*Agrilus densetomentosus* Obenberger, 1940b: 184–185. **Lectotype by present designation**, ♀, NMPC: “Fokien: Tainingli [h] \ TYPUS [p] [red label] \ A. densetomentosus m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24943 [h] [orange label]”. The exact number of syntypes is unknown.

#### ***Agrilus dignus* Kerremans**

= *csikii* Gebhardt, 1925 **syn. nov.**

= *kayan* Fisher, 1930 **syn. nov.**

*Agrilus dignus* Kerremans, 1912a: 77. Lectotype (designated by Obenberger, 1960), ♂, MNHN: “Matang Rd. 3-2-11 [h] \ dignus Kerr. Type [h] \ MUSEUM PARIS COLL. CH. KERREMANS 1923 [p] [yellow label]”. The exact number of syntypes is unknown.

**Remarks.** The original description of *A. dignus* Kerremans neither implies nor requires that there were syntypes. Obenberger (1960: 134), by mentioning “the type” (“Le type examiné est originaire de Matang”), validly fixed the lectotype (ICZN, Article 74.6).

*Agrilus csikii* Gebhardt, 1925: 93–94. **Lectotype by present designation**, ♀, NMPC: “BORNEO MATANG [P] \ TYPUS [p] [red label] \ *Agrilus* Csiki m. [h] Type [h underlined] \ *Agrilus csikii* Gebhardt Type [h] Det. Dr. Obenberger [p]”. Two paralectotypes are deposited in RMNH (R. Holynski pers. com.), one in MNHN and four in HNHM. The exact number of syntypes is unknown.

*Agrilus kayan* Fisher, 1930: 78–80. Holotype by monotypy, ♀, USNM: “N. BORNEO, BETTOTAN Nr. SANDAKAN [p] Aug. 16th [h] 1927 [p] [pink label] \ TypeNo [p] 57435 [h] USNM [p] [red label] \ *Agrilus kayan* Fisher [p]”.

### *Agrilus discicollis* Deyrolle

= *punctiventris* Kerremans, 1900 **syn. nov.**

*Agrilus discicollis* Deyrolle, 1864: 143, 189. Lectotype designated by Jendek (1998).

*Agrilus punctiventris* Kerremans, 1900a: 5, 22, 31–32. **Lectotype by present designation**, ♀: “SYNTYPE [p] [round label with blue border] \ Sumatra Weyers [Kerremans' MS] \ *punctiventris* Kerr. Type [Kerremans' MS] \ Kerremans 1903–59 [p] \ *A. punctiventris* Kerrem. Sumatra [h]” and 7 paralectotypes with the same locality data are deposited in BMNH. Described from 8 syntypes. Single specimens in HNHM and MNHN labelled as “types” do not belong to the type series and are not considered as paralectotypes.

### *Agrilus diolaus* Obenberger

*Agrilus diolaus* Obenberger, 1958: 238. **Lectotype by present designation**, ♂, NMPC: “Yünnan [h] \ TYPUS [p] [red label] \ *A. Diolaus* m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24904 [h] [orange label]”. A single paralectotype is deposited in IZAS (Yang Xingke et al. 1991: 31). The exact number of syntypes is unknown.

**Material examined. INDIA: Assam:** 2 exs (EJCB): “NE India, Assam, 1999, 5 km N of Umrongso 700m, 25°27'N, 92°43'E, 17–25.v., Zd. Košťál lgt.”; 20 exs (EJCB): “NE India, Assam, 1999, 5 km N of Umrongso 700m, 25°27'N, 92°43'E, 17–25.v., J. Rolčík, leg.”; 1 ♂ (EJCB): “NE India, Assam prov. Umrongso env. 700m, 25°27'N, 92°43'E, 3–8.vi., Tryzna & Benda leg. 2002”; 50 exs (EJCB): “NE India, Assam, 1999, 5 km N of Umrongso 700m, 25°27'N, 92°43'E, 17–25.v., Dembický & Pacholátko leg.”.

**Distribution.** China (Yunnan province), India (Assam state).

### *Agrilus dohrni* Kerremans

*Agrilus dohrni* Kerremans, 1900b: 338–339. **Lectotype by present designation**, ♀, BMNH: “Type [p] [round label with red border] \ Dohrn Sumatra Soekaranda [p] \ *Dohrni* Kerr. Type [h] \ *A. Dohrni* Kerrem. Sumatra [h] \ Kerremans 1903–59 [p]”. The exact number of syntypes is unknown.

***Agrilus ecarinatus* Marseul**

= *gracilicornis* Ganglbauer, 1890 **syn. nov.**

*Agrilus ecarinatus* Marseul, 1866: 439, 484–485. Lectotype designated by Jendek (1998).

*Agrilus gracilicornis* Ganglbauer, 1890: 22, 35–36. Holotype by monotypy, ♂, ZIN: “Sze-Tchñan [sic!] 1885 G. Patanin [sic!] [p] 22–24. VII. 85 [h] [underside] \ Agril. gracilicornis Gglb. Typ [h] \ Coll. Semenov-Tian-Shansky [p] \ Holotypus [p] [red label]”.

***Agrilus erythrostickus* Bourgoïn**

= *barmensis* Obenberger, 1936 **syn. nov.**

*Agrilus erythrostickus* Bourgoïn, 1922: 169. Lectotype (designated by Descarpentries & Villiers 1963a), ♀, MNHN: “Nghia Lo [h] \ *Agrilus erythrostickus* Bourgoïn [h] Type [h] [red ink] \ MUSÉUM PARIS 1936 coll. A. Théry [p]”. A single paralectotype from the same locality is deposited in BMNH. The exact number of syntypes is unknown.

**Remarks.** The original description of *A. erythrostickus* neither implies nor requires that there were syntypes. Descarpentries & Villiers (1963a: 55, 58), by mentioning “the type” (“holotype au Muséum Paris”), validly fixed the lectotype (ICZN, Article 74.6).

*Agrilus poeta barmensis* Obenberger, 1936a: 44. **Lectotype by present designation**, ♀, NMPC: “Barmah [h] \ TYPUS [p] [red label] \ *A. poeta* ssp. *barmensis* m. Type [h] Det. Dr Obenberger [p]”. The exact number of syntypes is unknown.

***Agrilus fleischeri* Obenberger**

= *kurosawai* Obenberger, 1940 **syn. nov.**

= *tscherepanovi* Stepanov, 1954 **syn. nov.**

*Agrilus fleischeri* Obenberger, 1925: 33–34. **Lectotype by present designation**, ♂, NMPC: “Verozovka Transbaik. [h] \ TYPUS [p] [red label] \ *A. fleischeri* m. Type [h] Det. Dr. Obenberger [p]”. The exact number of syntypes is unknown.

*Agrilus fleischeri kurosawai* Obenberger, 1940a: 26. **Lectotype by present designation**, ♂, NMPC: “Saghalien K.Tamanuku [p] [reverse side] Konuma 19.vii.1930 [h] \ TYPUS [p] [red label] \ *A. Fleischeri* ssp. *Kurosawai* m. Type [h] Det. Dr. Obenberger [p]”. The exact number of syntypes is unknown.

*Agrilus (Epinagrilus) tscherepanovi* Stepanov, 1954: 115–116, 119. A single paratype deposited in SZMN was examined, sex not determined: “Tuva, Chaa-Khol', ostrov, na topole 29. 06. [19]49 Tscherepanov [in Russian] [h] \ *Agrilus fleischeri* Obenb. 51 [h] V. Stepanov det. [p] \ *A. tscherepanovi* V. Stepanov sp. n. [h] \ Paratypus 1954 *Agrilus tsherepanovi* [sic!] V. Stepanov [p] [red label] \ Type number: Col. 24 (Novosibirsk) [p] [blue label] \ po kolekcii Zoomuzeya RAN [p] [in Russian] Novosibirsk [p] [yellow label]”. Described from two male specimens.

***Agrilus harlequin* Obenberger**

*Agrilus harlequin* Obenberger, 1924a: 556, 564, 592–593. **Lectotype by present designa-**

**tion**, ♂, NMPC: “Kinabalu [h] \ TYPUS [p] [red label with black border] \ Agrilus harlequin Type m. [h] Det. Dr. Obenberger [p]”. The exact number of syntypes is unknown.

***Agrilus hexastigmus* Bourgoïn**

*Agrilus hexastigmus* Bourgoïn, 1925: 112. **Lectotype by present designation**, ♂, MNHN: “Vien Poukha 11.V.1918 [h] \ Agrilus hexastigmus Bourgoïn [h] [black ink] Type [h] [red ink] \ MUSÉUM PARIS 1935 Coll. A. Théry [p]” and one paralectotype with the same locality data. The exact number of syntypes is unknown.

***Agrilus insidiosus* Kerremans**

*Agrilus insidiosus* Kerremans, 1896: 142–143. **Lectotype by present designation**, ♀, BMNH: “SYNTYPE [p] [round label with blue border] \ Sumatra Manuf. Tabacs [Kerremans' MS] \ insidiosus Kerr. Type [Kerremans' MS] \ Kerremans 1903-59 [p] \ A. insidiosus Kerrem. Sumatra [h]” and one paralectotype from the same locality that is not conspecific with the lectotype. The exact number of syntypes is unknown.

***Agrilus kaluganus* Obenberger**

*Agrilus olivicolor kaluganus* Obenberger, 1940c: 60. **Lectotype by present designation**, ♂, NMPC: “Okr. Kalugi [h] [in Russian] \ TYPUS [p] [red label] \ A. olivicolor ssp. Kaluganus m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24930 [h] [orange label]”. The exact number of syntypes is unknown.

**Remarks.** The aedeagus of the lectotype is missing. Alexeev (1964) elevated the subspecies to species rank and presented distinguishing characters and distribution.

***Agrilus kratochvili* Obenberger**

*Agrilus kratochvili* Obenberger, 1936e: 110. **Lectotype by present designation**, ♀, NMPC: “Formosa [h] \ TYPUS [p] [red label] \ A. Kratochvili m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24989 [h] [orange label]”. The exact number of syntypes is unknown.

***Agrilus lacroixi* Obenberger**

*Agrilus lacroixi* Obenberger, 1936e: 117. **Lectotype by present designation**, ♀, NMPC: “Assam [h] \ TYPUS [p] [red label] \ Agrilus Lacroixi m. Type [h] Det. Dr. Obenberger [p]”. The exact number of syntypes is unknown.

***Agrilus laeviventris* Kerremans**

*Agrilus laeviventris* Kerremans, 1900a: 5, 23, 36–37. **Lectotype by present designation**, ♀, BMNH: “TYPE [p] [round label with red border] \ Sumatra Weyers [Kerremans' MS] \ laeviventris Kerr. Type [Kerremans' MS] \ Kerremans 1903–59 [p] \ A. laeviventris Kerrem. Sumatra [h]”. Described from two syntypes.

***Agrilus lineariformis* new replacement name**

= *lineatus* Kerremans, 1899 **syn. nov.**

*Agrilus lineatus* Kerremans, 1899: 349.

**Remarks.** *Agrilus lineatus* Kerremans is a junior secondary homonym of *A. lineatus* (Schrank von Paula, 1782) originally proposed in *Buprestis* and now considered as a synonym of *A. viridis* (Linné, 1758).

***Agrilus maculifer* Saunders**

*Agrilus maculifer* Saunders, 1873: 514. **Lectotype by present designation**, ♂, BMNH: “Type H.T. [p] [round label with red border] \ Japan. G. Lewis. 1910–320. [p] \ Agr. maculifera ES. Type [h] [by Saunders hand] \ *Agrilus maculifera* E. S. Type [h]”. The exact number of syntypes is unknown.

***Agrilus maculiventris* Deyrolle**

= *opulentus* Kerremans, 1900 **syn. nov.**

= *woodlarkianus* Kerremans, 1900 **syn. nov.**

= *viridissimus* Cobos, 1964 **syn. nov.**

*Agrilus maculiventris* Deyrolle, 1864: 138, 158. Lectotype designated by Jendek (1998).

*Agrilus opulentus* Kerremans, 1900b: 336–337. **Lectotype by present designation**, sex not determined, BMNH: “Type [p] [round label with red border] \ N. Guinea Stauding [h] \ *opulentus* Kerr. Type [Kerremans' MS] \ Kerremans 1903–59 [p]”. The exact number of syntypes is unknown.

*Agrilus woodlarkianus* Kerremans, 1900c: 82–83. **Lectotype by present designation**, sex not determined, BMNH: “Syntype [p] [round label with blue border] \ Woodlark Is., A.S.Meek 1894 [p] \ woodlarkiana Kerr. Type [Kerremans' MS] \ Kerremans 1903–59 [p]” and one paralectotype with the same locality data. A single paralectotype from “Woodlark” is deposited in MNHN. The exact number of syntypes is unknown.

*Agrilus viridissimus* Cobos, 1964: 200–203. Holotype deposited in CAS. Its conspecificity with *A. maculiventris* is judged based on a photograph of the holotype kindly provided by G. Curletti.

***Agrilus marginicollis* Saunders**

= *beppuensis* Obenberger, 1936 **syn. nov.**

*Agrilus marginicollis* Saunders, 1873: 516. Lectotype designated by Jendek (1994).

*Agrilus beppuensis* Obenberger, 1936c: 140. **Lectotype by present designation**, ♀, NMPC: “Japan, VII. 37 Beppu [h] \ TYPUS [p] [red label] \ *A. beppuensis* m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24954 [h] [orange label]”. The exact number of syntypes is unknown.

**Remarks.** Kurosawa (1975: 1) considered *A. beppuensis* conspecific with *A. subrobustus* Saunders, 1873. This concept was followed also by Akiyama & Ohmomo (1997: 40).

***Agrilus moerens* Saunders**

= *araxicola* Abeille de Perrin, 1897 **syn. nov.**

*Agrilus moerens* Saunders, 1873: 517. Lectotype designated by Jendek (1995).

*Agrilus araxicola* Abeille de Perrin, 1897: 3, 11–12. **Lectotype by present designation**, ♂, MNHN: “Araxe [h] \ araxicola Ab. Type [h] \ MUSÉUM PARIS Coll. ABEILLE de PERRIN 1919 [p] \ vid Niehuis 1992 [p]”. The exact number of syntypes is unknown.

**Remarks.** *Agrilus araxicola* Abeille de Perrin was described from Armenia: “Caucase, vallée de l'Araxe”. Due to its conspecificity with *A. moerens* from East Asia, I consider this locality mistaken (**incorrect statement of type locality**) .

***Agrilus monogrammus* Thomson**

= *kabakovi* Alexeev in Alexeev, Volkovitsh & Kabakov, 1992 **syn. nov.**

*Agrilus monogrammus* Thomson, 1879: 72–73. Lectotype designated by Jendek (2000).

*Agrilus kabakovi* Alexeev in Alexeev, Volkovitsh & Kabakov, 1992: 381–382. Holotype, ♂, ZIN: “Afganistan 2200 m. N Waygal Nurestan O. Kabakov 10. VII. 1972 [p] \ *Agrilus kabakovi* sp. n. Alex. [h] Alexeev det. [p] \ preparat No [p] ? Afg-Ag-113-74 [h] [in Russian] \ Holotypus [p] *Agrilus kabakovi* Alexeev sp. n. [h]”. Described from six type specimens.

***Agrilus nigrinus* Kerremans**

*Agrilus nigrinus* Kerremans, 1895: 223. **Lectotype by present designation**, ♂, BMNH: “SYNTYPE [p] [round label with blue border] \ Banguay Stauding. [Kerremans' MS] \ *nigrinus* Kerr. Type [Kerremans' MS] \ Kerremans 1903–59 [p] \ *A. nigrinus* Kerrem. Banguay [h]” and a single paralectotype with the same locality data. The exact number of syntypes is unknown.

***Agrilus oblatulus* Kerremans**

*Agrilus oblatulus* Kerremans, 1900b: 340. **Lectotype by present designation**, ♀, BMNH: “TYPE [p] [round label with red border] \ Sumatra Donckier [Kerremans' MS] \ *oblatulus* Kerr. Type [Kerremans' MS] \ Kerremans 1903–59 [p] \ *A. oblatulus* Kerrem. Sumatra [h]”. The exact number of syntypes is unknown.

***Agrilus ocellatus* Deyrolle**

= *bidentellus* Obenberger, 1924 **syn. nov.**

*Agrilus ocellatus* Deyrolle, 1864: 141, 179. Lectotype designated by Jendek (1998).

*Agrilus bidentellus* Obenberger, 1924a: 562, 584–585. Lectotype (designated by Belamy 1993), sex not determined, USNM: “Sandakan Borneo Baker [p] \ 13821 [h] \ TYPUS [p] [red label] \ *Agrilus bidentellus* m. Type [h] Det. Dr Obenberger [p] \ TypeNo. [p] 57695 [h] U.S.N.M. [p] [red label] \ *Agrilus bidentellus* Obenb. [h] [red label]”. The exact number of syntypes is unknown.

**Remarks.** The original description of *A. bidentellus* Obenberger neither implies nor requires that there were syntypes. Bellamy (1993: 359), by mentioning “the holotype”, validly fixed the lectotype (ICZN, Article 74.6).

*Agrilus praeoccupatus* Hoscheck, 1931: 742. **Removal from synonymy.**

**Remarks.** Obenberger (1936d: 1095) cited the name *praeoccupatus* Hoscheck, 1931 as an unavailable synonym of *A. ocellaris* Deyrolle, 1864. Hoscheck did not propose this replacement name for *A. ocellaris* Deyrolle, 1864 but for “*Agrilus ocellaris* Kerremans (1912)”, originally assigned to the genus *Aphanisticus* and considered by Obenberger (1936d) as a synonym of *Endelus tristis* Kerremans, 1900. Thus the name *praeoccupatus* Hoscheck is an objective available synonym of *Endelus ocellaris* Kerremans, 1912 and a subjective synonym of *Endelus tristis* Kerremans, 1900.

### *Agrilus paganettii* Obenberger

= *pisanus* Curletti, 1980 **syn. nov.**

*Agrilus paganettii* Obenberger, 1913: 7–8. **Lectotype by present designation**, ♂, NMPC: “Calabria, Antonimina lg. Paganetti [p] \ TYPUS [p] [red label] \ *Agrilus Paganettii* m. Type [h] Det. Dr Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24350 [h] [orange label]”. A single paralectotype from “Calabria Antonimina, Mte.Conevo, Prov.di Ancona” is deposited in DEI. Described from three syntypes (“Drei Exemplare ...”).

**Type locality.** “Calabria, Antonimina”. Type locality determined by lectotype (ICZN, Article 76.2.).

**Remarks.** *Agrilus paganettii* was described from multiple localities: “Calabria Antonimina; Mte. Conevo; Prov. di Aneona”. The type locality becomes the place of origin of the lectotype.

*Agrilus pisanus* Curletti, 1980: 171–174. Holotype deposited in MCNC. Described from eighteen specimens.

**Remarks.** A single paratype deposited in NMPC was examined.

### *Agrilus perniciosus* Deyrolle

= *perniciosus* Obenberger **unavailable name**

= *subperniciosus* Obenberger, 1936d **unavailable name**

*Agrilus perniciosus* Deyrolle, 1864: 145, 199. Lectotype designated by Jendek (1998).

**Remarks.** Obenberger (1936d: 1103) cited the name “*perniciosus* Obenberger, 1924” as a synonym of a new replacement name *subperniciosus*. Obenberger (1924a) did not propose the name *perniciosus* as new, he attributed it to Deyrolle (1864). The name *subperniciosus* Obenberger is an unavailable and superfluous replacement name (ICZN, Article 13.1.3).

### *Agrilus perviridis* Kerremans

= *singaporensis* Obenberger, 1924 **syn. nov.**

*Agrilus perviridis* Kerremans, 1894a: 530–531. Lectotype designated by Jendek (2003).

*Agrilus singaporensis* Obenberger, 1924a: 566, 599–560. Lectotype (designated by Bellamy 1993), sex not determined: “Singapore Coll. Baker [p] \ 12610 [h] \ TYPUS [p] [red label] \ *Agrilus singaporensis* m. Type [h] Det. Dr Obenberger [p] \ TypeNo. [p] 57700 [h] U.S.N.M. [p] [red label] \ *Agrilus singaporensis* Obenb. [h] [red label]” and two paralectotypes with the same locality data are deposited in USNM. The exact number of syntypes is unknown.

**Remarks.** The original description of *A. singaporensis* Obenberger neither implies nor requires that there were syntypes. Bellamy (1993: 362), by mentioning “the holotype”, validly fixed the lectotype (ICZN, Article 74.6).

#### ***Agrilus placidus* Kerremans**

*Agrilus placidus* Kerremans, 1894b: 473. **Lectotype by present designation**, ♀, BMNH: “TYPE [p] [round label with red border] \ Bornéo Boucard [Kerremans' MS] \ *placidus* Kerr. Type [Kerremans' MS] \ Kerremans 1903–59 [p] \ *A. placidus* Kerrem. Bornéo [h]”. The exact number of syntypes is unknown.

#### ***Agrilus poeta* Obenberger**

*Agrilus poeta* Obenberger, 1936a: 44. **Lectotype by present designation**, ♀, NMPC: “Nilgiri Hills, Ind. [h] \ TYPUS [p] [red label] \ *A. poëta* m. Type [h] Det. Dr Obenberger [p]”. A single paralectotype with the same locality data is deposited in BMNH. The exact number of syntypes is unknown.

#### ***Agrilus praetextus* Bourgoin**

*Agrilus praetextus* Bourgoin, 1922: 23. **Lectotype by present designation**, ♀, MNHN: “Cho Ganh [h] \ *Agrilus praetextus* Bourgoin [h] Type [h] [red ink] \ MUSÉUM PARIS 1935 Coll. A. Théry [p]”. A single paralectotype from the same locality is deposited in BMNH. The exact number of syntypes is unknown.

#### ***Agrilus pterostigma* Obenberger**

*Agrilus pterostigma* Obenberger, 1927a: 17–18. **Lectotype by present designation**, ♂, NMPC: “China: Ning Po [h] \ TYPUS [p] [red label] \ *A. pterostigma* m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24886 [h] [orange label]”. The exact number of syntypes is unknown.

#### ***Agrilus pyritosus* Kerremans**

*Agrilus pyritosus* Kerremans, 1900a: 5, 23, 35–36. **Lectotype by present designation**, ♂, BMNH: “SYNTYPE [p] [round label with blue border] \ Sumatra Weyers [Kerremans' MS] \ *pyritosus* Kerr. Type [Kerremans' MS] \ Kerremans 1903–59 [p] \ *A. pyritosus* Kerrem. Sumatra [h]” and seven paralectotypes with the same locality data. Described from eight syntypes.



**Remarks.** Only two paralectotypes are conspecific with the lectotype, five of them belong to two different species.

***Agrilus quadrisignatus* Marseul**

= *mongoliae* Obenberger, 1922

= *lama* Obenberger, 1935 **syn. nov.**

*Agrilus quadrisignatus* Marseul, 1866: 434, 444–445. Lectotype designated (Jendek 1998).

*Agrilus mongoliae* Obenberger, 1922: 26–27. **Lectotype by present designation**, ♂, NMPC: “Kiachta [h] \ TYPUS [p] [red label] \ *Agrilus Mongoliae* m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Praegae Inv. [p] 26217 [h] [orange label]”. The exact number of syntypes is unknown.

**Remarks.** *Agrilus mongoliae* was considered conspecific with *A. quadrisignatus* by Obenberger (1934: 14). Reexamination of the lectotype confirms this opinion.

*Agrilus quadrisignatus lama* Obenberger, 1935a: 164. **Lectotype by present designation**, ♂, NMPC: “China bor. [h] \ TYPUS [p] [red label] \ *A. quadrisignatus* subsp. *lama* m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Praegae Inv. [p] 24283 [h] [orange label]”. The exact number of syntypes is unknown.

**Material examined. CHINA: Hebei:** 3 ♂♂, 1 ♀ (EJCB): “China, Hebei/Nei Mongol, pass Chengde-Chifeng, 41.6N, 118.2E, 14–16.VI., 2001”; **Shanxi:** 1 ex (EJCB): “China, Shanxi, 9. June.2000, Lüliang Shan, 1000m, road Fangshan-Jiaocheng, Hengjian env.”; 1 ♀ (EJCB): “China, centr. Shanxi, Chao Shan 37.1N, 112.4E, 25 km SE Pingyao., 4–5.VI., 2001”; 12 exs (EJCB): “China, W Shanxi, 9.VI.2000, 37.7N, 111.6E, Lüliang Shan, road Fangshan-Jiaocheng, HENGJIAN env., ~1000m”; **RUSSIA: Buryatiya:** 1 ex (ZIN): “Transbaicalia mr. occ. fl. Tshikoj: Sharagol 1.VII. 1928 Th. Lukjanovitsh”; **Primorsk:** 3 exs (EJCB): “Russia, Primorski kray, Khankajski distr. 1995, lake Khanka, 17–19.vii., Kamen'- Rybolov”; 1 ♂ (EJCB): “Russia, Primorsk reg., 30.7.–8.8.1992, Kajmanovka, E. Kučera leg. ex Ulmus”; 2 exs (EJCB): “SSSR, Primorskij k., Kajmanovka 10–22.vii.1993, Z. Kletečka leg.”; 1 ex (EJCB): “USSR-Sibiria or., Ussuri region, 450 m, YASNOE 11–14.7.1989, R. Dunda lgt.”; 6 exs (EJCB): “Russia, Primorski kray, Ussurijski district, Baranovski volcano env. 4.ix.1995”; 8 exs (EJCB): “Sib. or. -m., Primorje, Sichote-Alin Mts., Sokolči, 1–15.7. 1990, Kadlec + Voříšek lg.”; 2 ♂♂, 1 ♀ (EJCB): “Sib. or. Primorje, Komarovka flum., Kamenushka env. 300 m, Voříšek, J. leg. VI.1992”.

**Distribution.** China (Gansu, Hebei, Inner Mongolia, Jiangsu, Shanxi provinces), Mongolia, North Korea, Russia (Buryatia, Chita, Primorsk regions). Data on distribution compiled from Obenberger (1934), Alexeev (1989) and Hua Li Zhong (2002).

**Remarks.** I have not seen specimens of *A. quadrisignatus* Marseul from Japan. *Agrilus quadrisignatus kinoshitae* Obenberger, 1936c is conspecific with *A. sospes* Lewis (see synonymy under *A. sospes*).

***Agrilus roscidiformis* Obenberger**

*Agrilus roscidiformis* Obenberger, 1916: 12–13. **Lectotype by present designation**, sex not determined, NHMB: “TYPUS [p] [red label with black border] \ 1214 [h] [blue label] \ Koll. Dr. A. Frh. v. Hoschek [p] Trichinopolis Ind. or. [h] \ *Agrilus roscidiformis* Typ! [h] Det. Obenberger [p]”. The exact number of syntypes is unknown.

***Agrilus sachalinensis* Obenberger**

*Agrilus sachalinensis* Obenberger, 1935a: 165. **Lectotype by present designation**, ♂, NMPC: “SAGHALIEN MIWA et MINOWA 1927 [p] \ TYPUS [p] [red label] \ *A. sachalinensis* m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 26215 [h] [orange label]”. The exact number of syntypes is unknown.

**Remarks.** *Agrilus sachalinensis* is very closely related to *A. zhelochovtsevi* Alexeev, 1979, from which it differs by more greenish tinge, relatively longer pronotum and slightly different aedeagus. More material is needed to confirm their distinctiveness.

***Agrilus seladon* Obenberger**

= *komiyai* Tôyama, 1987 **syn. nov.**

*Agrilus seladon* Obenberger, 1940b: 174–175. **Lectotype by present designation**, sex not determined, NMPC: “Vallis flumin. Soling-ho, Yun. [p] \ TYPUS [p] [red label with black border] \ Mus. Nat. Pragae Inv. [p] 24926 [h] [orange label] \ *Agrilus Seladon* m. Type [h] Det. Dr. Obenberger [p]”. The exact number of syntypes is unknown.

*Agrilus komiyai* Tôyama, 1987: 305–306. Holotype, sex not determined, NSMT: Doi Pui N. Thailand 4–7.v.1983 M. Takakuwa [p] \ HOLOTYPE *Agrilus komiyai* Tôyama, 1983 [h]”. Described from seven type specimens.

***Agrilus semperi* Saunders**

*Agrilus semperi* Saunders, 1874: 324. **Lectotype by present designation**, ♀, BMNH: “Type H. T. [p] [round label with red border] \ Luzon [and illegible text] [h] [round label] \ *semperi* ES Type [h] \ Saunders 74.18. [p]”. The exact number of syntypes is unknown.

***Agrilus shaumaae* Descarpentries & Villiers correct original spelling**

*Agrilus shaumaae* Descarpentries & Villiers, 1963: 5, 18. The holotype is deposited in MNHN. Described from two females.

**Remarks.** The name of this species was cited by Descarpentries & Villiers (1963b) as *schaumaae* on page 5 and as *shaumaae* on page 18. As a first reviser (ICZN, Article 24.2.3), I consider *shaumaae* to be the correct original spelling.

***Agrilus sospes* Lewis**

= *kinoshitae* Obenberger, 1936 **syn. nov.**

= *quadristictulus* Obenberger, 1940 **syn. nov.**

*Agrilus sospes* Lewis, 1893: 334. Two syntypes in BMNH were examined but are not currently available to me for designation of a lectotype. Described from four syntypes.

*Agrilus quadrisignatus kinoshitae* Obenberger, 1936c: 140. **Lectotype by present designation**, ♀, NMPC: “Japan D. Baum [h] \ TYPUS [p] [red label] \ *A. quadrisignatus* subsp. *Kinoshitae* m. Type [h] Det. Dr. Obenberger [p]”. The exact number of syntypes is unknown.

*Agrilus quadristictulus* Obenberger, 1940b: 179. **Lectotype by present designation**, ♂, NMPC: “Corée: Séoul [h] \ TYPUS [p] [red label] \ *Agrilus quadristictulus* m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24297 [h] [orange label]”. The exact number of syntypes is unknown.

**Material examined. CHINA: Shaanxi:** 1 ♀ (EJCB): “C-CHINA, Shaanxi, Qinling Shan, 6km E of Xunyangba, 1000-1300m, 23.V.–13.VI., leg. C. Holzschuh 2000”; 1 ex (EJCB): “China-Shaanxi, Lüeang 33°07'N 106°05'E, 8.6.–14.6.1996, lgt. E. Kučera”; **Shanxi:** 1 ♂ (EJCB): “China, centr. Shanxi, Chao Shan 37.1N, 112.4E, 25 km SE Pingyao., 4–5.VI., Jaroslav Turna leg. 2001”; **JAPAN: Fukushima:** 7 ♂♂, 2 ♀♀ (EJCB): “Japan, Fukushima Pref., Fukushima city, Moniwa, Iizaka town, 2.6.1995, leg. Sugiura”; **Iwate:** 2 ♀♀ (EJCB): “Japan, Iwate, Goshō dam, Morioka-shi, 16.VI.1993”; **Shizuoka:** 4 ♂♂ (EJCB): “Japan, Shizuoka pref., Sumata, 2.VI.1984, A. Torikata leg.”; **Tokyo:** 1 ex (EJCB): “Kominawa, Takao machi, Tokyo Met., 18.5.79, leg. Kusakabe”; 8 exs (EJCB): “Mitsukyō, Yokohama city, 5.V.1971, Akiyama leg.”; **Yamanashi:** 1 ex (EJCB): “Hikawarindō, Daibosatsu Mts., Yamanashi pref., 8/9.V.79, leg. Nakamura”; **KOREA NORTH:** 1 ♀ (MNHN): “Corée, Kosan, Chass. indigènes”.

**Distribution.** China (Liaoning (Li Jng ke 1992), Shaanxi, Shanxi provinces), Japan (Hokkaido, Honshu Shikoku, Kyushu, Tsushima islands), North Korea, South Korea.

### *Agrilus spectabilis* Kerremans

*Agrilus spectabilis* Kerremans, 1895: 219–220. **Lectotype by present designation**, ♀, MNHN: “Pedong A. Desgodins [p] \ *spectabilis* Kerr. Type [h] \ Kerremans vidit 1895 [p] \ collectio Oberthür [p]”. A single paralectotype from “Sikkim, Kurseong” is deposited in BMNH. The exact number of syntypes is unknown.

**Type locality.** “Pedong”. Determined by the lectotype (ICZN, Article 76.2.).

**Remarks.** Described from two localities: “Pedong (A. Desgodins); Sikkim: Kurseong (R. P. Breteau)”. The type locality becomes the place of origin of the lectotype.

### *Agrilus spesivcevi* Obenberger correct original spelling

*Agrilus spesivcevi* Obenberger, 1927a: 16. **Lectotype by present designation**, ♀, NMPC: “China: Lac Tai-hu [Jiangsu province, 31°15'47"N, 120°06'46"E] [h] \ TYPUS [p] [red label] \ *Agrilus spesivcevi* [sic!] m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24938 [h] [orange label]”. The exact number of syntypes is unknown.

**Remarks.** Obenberger (1927a: 16) clearly stated that this species is “Dedicated to

Amico caro, Dom. Prof. Pavel Nikolajevič Spesivcev”. Despite the fact that the name of this Russian entomologist is correctly spelled and transliterated as “Spessivtseff” (Horn & Kahle 1936, 1937), this is not sufficient reason to consider *spesivcevi* as an inadvertent error (ICZN, Article 32.5.1). Spellings of this name as “*spessivcevi*” (Obenberger 1936d, Alexeev & Volkovitsh 1989, Hua Li Zhong 2002) should be considered as incorrect subsequent spellings. See also remarks under *A. ulaangomiensis* Cobos, 1972.

#### ***Agrilus subconsularis* Kerremans**

*Agrilus subconsularis* Kerremans, 1900a: 5, 22, 32. **Lectotype by present designation**, ♀, BMNH: “SYNTYPE [p] [round label with blue border] \ Sumatra Weyers [Kerremans' MS] \ subconsularis Kerr. Type [Kerremans' MS] \ Kerremans 1903–59 [p] \ *A. subconsularis* Kerrem. Sumatra [h]” and a single female paralectotype with the same locality data that is not conspecific with the lectotype. Described from two syntypes.

#### ***Agrilus subrobustus* Saunders**

= *kumamotoi* Tôyama, 1987 **syn. nov.**

*Agrilus subrobustus* Saunders, 1873: 516–517. Lectotype designated by Jendek (1995).

*Agrilus kumamotoi* Tôyama, 1987: 316. Holotype, ♀, NSMT: “(Senpei) Kaohsiung, FORMOSA 5, June, 1976 M. Kubata leg. [p] \ HOLOTYPE [p] *Agrilus kumamotoi* Tôyama, 1986 [h] [red label]”. Described from the holotype.

**Distribution.** China (Anhui, Fujian, Guizhou, Hubei, Hunan, Shaanxi, Sichuan, Yunnan provinces), Japan (Honshu, Kyushu, Ryukyu, Shikoku, Tsushima islands), North Korea, South Korea, Taiwan.

#### ***Agrilus subtilipilis* Obenberger**

*Agrilus subtilipilis* Obenberger, 1940b: 180–181. **Lectotype by present designation**, ♀, NMPC: “Kwangtseh-Fukien, J. Klapperich, 0, 22.7.1937 [p] [violet label] \ TYPUS [p] [red label] \ *A. subtilipilis* m. Type [h] Det. Dr. Obenberger [p]”. The exact number of syntypes is unknown.

#### ***Agrilus subvalidus* Kerremans**

*Agrilus subvalidus* Kerremans, 1900c: 84. **Lectotype by present designation**, ♀, BMNH: “TYPE [p] [round label with red border] \ Bornéo Meyer D. [Kerremans' MS] \ subvalidus Kerr. Type [Kerremans' MS] \ Kerremans 1903–59 [p] \ *A. subvalidus* Kerrem. Bornéo [h]”. The exact number of syntypes is unknown.

#### ***Agrilus tonkinigena* Obenberger**

*Agrilus tonkinigena* Obenberger, 1924b: 135. **Lectotype by present designation**, ♀, NMPC: “Tonkin, Hoa-Binh, Coll. J. Clermont [p] \ TYPUS [p] [red label] \ *A. tonkinigena* m. Type [h] Det. Dr. Obenberger [p]”. The exact number of syntypes is unknown.

***Agrilus tricolor* Deyrolle**

= *chalybeus* Deyrolle, 1864 **syn. nov.**

*Agrilus tricolor* Deyrolle, 1864: 144, 194. Lectotype designated by Jendek (1998).

*Agrilus chalybeus* Deyrolle, 1864: 144, 193–194. Lectotype designated by Jendek (1998).

**Remarks.** *Agrilus tricolor* Deyrolle is distinctive by its sexual dichromatism. The female is all black-violet, while the head and pronotum of the male are golden-red.

***Agrilus turcicus* Marseul**

= *friwaldskyi* Marseul, 1866 **syn. nov.**

*Agrilus turcicus* Marseul, 1866: 467–468. Lectotype designated by Jendek (1998).

*Agrilus friwaldskyi* Marseul, 1866: 438.

**Remarks.** Marseul (1866) named his newly proposed species (Number 25) as *friwaldskyi* in the key on page 438 and as *turcicus* in the descriptive part on page 467. Since the name *friwaldskyi* is accompanied by a definition of the taxon that it denotes, it is an available name (ICZN, Article 12.1) and an objective synonym of *turcicus*.

***Agrilus ulaangomiensis* Cobos species revalidated**

= *subelegans* Cobos, 1972: 49–51, 56. (syn. by Alexeev & Volkovitsh 1989)

= *emeljanovi* Alexeev, 1975: 152–155. (syn. by Alexeev & Volkovitsh 1989)

*Agrilus ulaangomiensis* Cobos, 1972: 47–49, 56. Holotype, ♀: “♀ [p] \ MONGOLIA: Uvs aimak SW Rand des Sees Uvs nuur, 63 km O von der Stadt Ulaangom, 790 m, Ep. Dr. Z. Kaszab, 1968 [p] \ Nr. 1020 26. VI. 1968 [p] \ HOLOTYPUS A. Cobos [p] [red label] \ *Agrilus ulaangomiensis* nov. sp. Holotypus [h] A. Cobos det. 197 [p] 1 [p] \ *Agrilus spesivcevi* Obenb. [p] Alexeev det. [p] Cum typo comp. [h] \ (= *Agrilus subelegans* Cobos [h] Alexeev det. [p] (= *emeljanovi* Alex) [h] Alexeev det. [p]” and one paratype are deposited in HNHM. A single paratype is deposited in MNMS. Described from three type specimens.

**Remarks.** Alexeev & Volkovitsh (1989: 319) considered *A. ulaangomiensis* to be a junior synonym of *A. spesivcevi* Obenberger. Reexamination of both types reveals that *A. ulaangomiensis* is a distinct species by slender body form, wider frons, smaller eyes, transverse pronotum, more arcuate prehumeral and entire elytral pubescence.

***Agrilus ussuricola* Obenberger**

= *lasiolus* Obenberger, 1935 **syn. nov.**

*Agrilus ussuricola* Obenberger, 1924c: 46. **Lectotype by present designation**, ♂, NMPC: “Amur [h] [in Russian] \ TYPUS [p] [red label] \ *Agrilus ussuricola* m. Type [h] Det. Dr Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24261 [h] [orange label]” and two paralectotypes from “Vladivostok 19 Ussuri mer. Dr. Jureček” and “Nikolsk.Ussuri”. A single paralectotype from “Trockoje, Chanka, Primorje, 21.VI.09 [in Russian]” is deposited in NHMB. The exact number of syntypes is unknown.

**Remarks.** Described from “Ussuri (Vladivostok)”. The type locality becomes the place of origin of the lectotype (ICZN, Article 76.2.).

*Agrilus ussuricola* var. *lasiolus* Obenberger, 1935a: 170. **Lectotype by present designation**, ♂, NMPC: “s. Troickoye, oz. Khanka, Primorsk. Cherskij [p] 16.vi. [h] 09 [p] [in Russian] \ TYPUS [p] [red label] \ *Agrilus ussuricola* var. *lasiolus* m. ♂ Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24287 [h] [orange label]” and three paralectotypes from the same locality, one paralectotype from “Vladivostok”, one paralectotype from “Birsherta, r. Zeya” and one paralectotype from “Kamen'-Rybolov oz. Khanka”. Ten paralectotypes are deposited in ZIN. The exact number of syntypes is unknown.

**Type locality.** “Troickoye, oz. Khanka, Primorsk” Russia. Type locality determined by the lectotype (ICZN, Article 76.2.).

**Remarks.** Originally described from “Ussuri, Primorje”. The type locality becomes the place of origin of the lectotype.

The name *lasiolus* was proposed by Obenberger (1935a) for a variety of *Agrilus ussuricola*. Kurosawa (1963, 1974) and Akiyama & Ohmomo (1997) considered *A. lasiolus* to be a distinct species. Examination of the lectotypes of *A. ussuricola* and *A. ussuricola* var. *lasiolus* revealed their conspecificity.

**Material examined. CHINA: Shaanxi:** 1 ♂, 1 ♀ (EJCB): “China, 1150–1300 m, Shaanxi Qinling mts., Foping (6 km N), 20–21.vi.1998, I.H. Marshal leg.”; 1 ♂ (EJCB): “China-Shaanxi, Lüeang, 18.5–21.5.2000, leg. E. Kučera”; 1 ♀ (EJCB): “China, Shaanxi, Foping env. 7. Jun., 120km SW Xian, 1992, M. Bok lgt.”; **JAPAN: Nagasaki:** 1 ♀ (EJCB): “(Mt. Ohboshi) Tsushima Is., 17.vi.1997, coll. T. Akashi”; **NORTH KOREA:** 1 ♂, 2 ♀♀ (EJCB): “N. Korea, 19.7.1990, Toxong env. Omdouri”; 1 ♂ (EJCB): “D.P.R. Korea, Manmulsang, Kumgangsang Mts., lgt. M. Slovák, 25.5.1988”; **RUSSIA: Amursk:** 1 ♂ (EJCB): “USSR, Archara, Amursk. oblast, 7.89 Morozinski”; **Primorsk:** 2 ♂♂, 1 ♀ (EJCB): “Rossia, 2–10.VIII., Primorskij kraj, 1992, Ussurijsk, Kajmanovka, lgt. Smrž”; 15 exs (EJCB): “Sib.or.-m., Primorje Sichote–Alin Mts. Sokolči 1–15.7.1990 Kadlec + Voříšek lg.”; 1 ♂ (EJCB): “Rossia, Primorskij k., Rjazanovka 4–8.vii.1993, Z. Kletečka leg.”; 1 ♂ (EJCB): “Russia, Primorski kray, Khankajski distr. 1995, lake Khanka, 17–19.vii., Kamen'- Rybolov”; 1 ♀ (EJCB): “Sib. or. Primorje, Komarovka flum., Kamenushka env., 300 m, Voříšek, J. leg. VI. 1992”; 25 (EJCB): “USSR, Primorskij kraj Arseneev env. 300–400 m 11–19.VII. 1990 B. Šiška & R. Čermák leg.”; > 500 exs (EJCB): “Russia or, Primorskiy Kray, 44°10'N, 133°15'E, Arsen'yev env., June 1991, O. Šauša & M. Štrba leg.”.

**Distribution.** China (Shaanxi province), Japan (Tsushima island), North Korea, Russia (Amursk, Primorsk, Khabarovsk regions). Hou Taoqian (1981, 1987) and Hua Li Zhong (2002) reported this species from Xizang, Yunnan and Heilongjiang in China. These records need confirmation due to possible confusion with other Chinese species with an asymmetric aedeagus.

***Agrilus vilis* Saunders**

= *davaoensis* Fisher, 1921 **syn. nov.**

*Agrilus vilis* Saunders, 1874: 327–328. **Lectotype by present designation**, ♀, BMNH: “Type [p] [round label with red border] \ Mindanao 198 [h] \ A. vilis ES. Type [h] \ Saunders 74.18. [p]”. The exact number of syntypes is unknown.

*Agrilus davaoensis* Fisher, 1921: 358, 402–403. Holotype, ♂, USNM: “Davao Mindanao Baker [p] \ 8369 [h] \ Type No [p] 51487 [h] USNM [p] [red label] \ *Agrilus davaoensis* Fisher [h] [red label]”. Described from the holotype and three paratypes.

***Agrilus viridanus* (Kerremans)**

= *subpubescens* Fisher, 1921 **syn. nov.**

*Samboides viridana* Kerremans, 1900a: 4, 17. Lectotype designated by Jendek (2000).

*Agrilus subpubescens* Fisher, 1921: 356, 370–371. Holotype, sex not determined, USNM: “Davao Mindanao Baker [p] \ 8366 [h] \ Type No. [p] 51464 [h] U.S.N.M. [p] [red label] \ *Agrilus subpubescens* Fisher [h] [red label]”. Described from the holotype and three paratypes.

***Agrilus viridicaerulans viridicaerulans* Marseul, correct original spelling**

*Agrilus viridicaerulans* Marseul, 1868: 175–176. Thirteen syntypes from “Beyrouth” are deposited in MNHN.

**Remarks.** The name of this taxon was originally given by Marseul (1868) as “viridi caerulans” and not “viridi caerulans”, thus the correct original spelling is *viridicaerulans*, not *viridicoerulans* as stated by Niehuis (2004).

***Agrilus viridicaerulans rubi* Schaefer**

= *rubi* Kaszab, 1940

= *roswitha* Bellamy, 2003 **syn. nov.**

*Agrilus rubi* Schaefer, 1937: 83. **Lectotype by present designation**, sex not determined, MNHN (collection of Schaefer): “Saint-Chamas 2-7-[19]36”. A single specimen from the same locality and labeled as “cotype” is deposited in NMPC and is considered as a paralectotype. The exact number of syntypes is unknown.

**Type locality.** “Saint-Chamas [Provence Alpes Côte d’Azur, France]”.

**Remarks.** The name *rubi* was proposed by Schaefer for a species from the *roscidus* species-group living on *Rubus* which had been previously confused with *A. prasinus*. No type locality was given, and the mention of Basse-Provence (“Je désigne ainsi la forme la plus courante, au moins en Basse-Provence”) cannot be considered as a type locality statement. The type locality becomes the place of origin of the lectotype (ICZN, Article 76.2).

*Agrilus rubi* Kaszab, 1940: 106, 113. Described from two specimens: “1 Exemplar aus Budapest: Hübösvölgy (31. VII. 1926, leg. Dr. L. Biró) und 1 Exemplar aus Novi (leg. Dr. Horváth)”. No syntypes were located in HNHM (O. Merkl and V. Kubán pers. com.).

**Remarks.** Kaszab (1940) cited the name *rubi* with an inscription: “[L. Schaefer in litt.]”, making it evident that he was referring to the species of Schaefer as indicated also by his use of the same specific name (*rubi*). Kaszab (1940) was probably not aware of Schaefer’s (1937) description of the species. As a result, I consider *A. rubi* Kaszab to be conspecific with *A. viridicaerulans rubi* Schaefer. The conspecificity of both taxa is also supported by the remark of Kaszab: “steht *A. roscidus* so nahe” and by the fact that no other *Agrilus* from the *roscidus* species-group in Europe lives on *Rubus*.

*Agrilus roswitha* Bellamy, 2003: 155. Proposed as a replacement name for *rubi* Kaszab not *rubi* Schaefer.

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### References

- Abeille de Perrin, E. (1897) Notes sur les Buprestides paléarctiques (Suite). *Revue d'Entomologie*, 16, 1–33.
- Akiyama, K. & Ohmomo, S. (1997) A check list of the Japanese Buprestidae. *Gekkan-Mushi*, (Supplement 1), 67 pp.
- Alexeev, A.V. (1959) Opredelitel' zlatok roda *Agrilus* Curtis Evropeiskoi chasti SSSR (Coleoptera, Buprestidae). *Sbornik rabot po ekologii i sistematike zhivotnykh*, Orekhovo-Zuevskii Pedagogicheskii Institut, Moskva, 1, 3–25. (in Russian)
- Alexeev, A.V. (1964) Novye vidy zlatok (Coleoptera, Buprestidae) s territorii SSSR. *Sbornik rabot po ekologii i sistematike zhivotnykh*, Orekhovo-Zuevskii Pedagogicheskii Institut, Moskva, 3, 5–17. (in Russian)
- Alexeev, A.V. (1975) *K faune zhukov–zlatok (Coleoptera, Buprestidae) Mongolskoi narodnoi respubliki. Nasekomye Mongolii*, Leningrad, Nauka, 3, 132–164. (in Russian with English subtitle)
- Alexeev, A.V. (1989) Buprestidae-Zlatki, p. 463–489. (in Russian) In: Ler, P.A. (Ed.), *Opredelitel' nasekomykh Dal'nego Vostoka SSSR*, Tom 3, Zhestkokrylye, ili zhuki, Chast' 1, Leningrad, Nauka, 572 pp.
- Alexeev, A.V. & Volkovitsh, M.G. (1989) *Obzor zhukov–zlatok (Coleoptera, Buprestidae) Mongol'skoi narodnoi respubliki, Nasekomye Mongolii*, Leningrad, Nauka, 10, p. 301–368. (in Russian)
- Alexeev, A.V., Volkovitsh, M.G. & Kabakov, O.N. (1992) Materialy po faune zhukov-zlatok (Coleoptera, Buprestidae) Afganistana. III. *Èntomologicheskoe Obozrenie*, 71 (2), 372–391. (in Russian with English summary)
- Bellamy, C.L. (1993) A list of the primary types of Buprestidae (Coleoptera) in the U. S. National Museum of Natural History. *Giornale Italiano di Entomologia*, 6 (34), 357–378.
- Bellamy, C.L. (2003) New replacement names in Buprestidae (Coleoptera). *Folia Heyrovskyana*, 11, 155–158.



- Bílý, S. (1989) *Krascovití, Buprestidae*. Zoologické klíče, Praha, Academia, 111 pp. (In Czech)
- Bílý, S. (1993) Byrrhidae, Buprestidae, p. 71, 73–75. In: Jelínek, J., Check-list of Czechoslovak Insects IV (Coleoptera). *Folia Heyrovskyana*, Supplementum 1, 5–172.
- Bílý, S. (2002) Summary of the bionomy of the Buprestid beetles of Central Europe (Coleoptera: Buprestidae). *Acta Entomologica Musei Nationalis Pragae*, Supplement 10, 1–104, 16 col. pls.
- Bourgoin, A. (1922) Description d'un Heterosoma nouveau de Madagascar et diagnoses préliminaires de quatre Agrilus nouveaux de l'Indo-Chine française (Col.). *Bulletin de la Société Entomologique de France*, 1922, 167–169.
- Bourgoin, A. (1925) Diagnoses préliminaires de Buprestides nouveaux de l'Indochine française. *Bulletin de la Société Entomologique de France*, 1925, 111–112.
- Cobos, A. (1964) Nuevas especies de Buprestidae (Coleoptera) de Nueva Guinea. *Annali del Museo Civico di Storia Naturale di Genova*, 75, 197–212.
- Cobos, A. (1972) Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei. No. 203, II, (Col. Buprestidae). *EOS, Revista Española de Entomología*, (1971) 47, 19–58.
- Cobos, A. (1986) *Fauna iberica de coleopteros Buprestidae*. Madrid, Imp. Aguirre, 364 pp.
- Curlletti, G. (1980) *Agrilus pisanus* n. sp. dell' Italia peninsulare (Coleoptera Buprestidae). *Bolletino della Società entomologica italiana*, 112 (9–10), 171–174.
- Curlletti, G. (1994) *I Buprestidi d'Italia. Catalogo tassonomico, sinonimico, biologico, geonemico*. Natura Bresciana, Brescia, Monografie, No. 19: 1–318.
- Curlletti, G. (2001) The genus *Agrilus* in Australia (Coleoptera, Buprestidae). *Jewel Beetles*, No. 9, 1–45, figs., maps.
- Descarpentries, A. & Villiers, A. (1963a) Catalogue raisonné des Buprestidae d'Indochine. I. Agrilini, genre *Agrilus* (1re partie). *Revue française d'Entomologie*, 30 (1), 49–62.
- Descarpentries, A. & Villiers, A. (1963b) Catalogue raisonne des Buprestidae d'Indochine. III. Agrilini, genre *Agrilus* (troisieme partie). *Bulletin de l'Institut royal des Sciences naturelles de Belgique*, 39 (11), 1–23.
- Deyrolle, H. (1864) Description des Buprestides de la Malaisie recueillis par M. Wallace. *Annales de la Société Entomologique de Belgique*, 8, 1–272, 305–312.
- Fisher, W.S. (1921) New Coleoptera from the Philippine Islands. Family Buprestidae, tribe Agrilini. *Philippine Journal of Science*, Manila, 18 (4), 349–447.
- Fisher, W.S. (1930) New Bornean Buprestidae. *Journal of the Federated Malay States Museums*, 16, 58–97.
- Gangelbauer, L. (1890) Insecta, a Cl. G. N. Potanin in China et in Mongolia novissime lecta. VII. Buprestidae, Oedemeridae, Cerambycidae. *Trudy Russkago Èntomologicheskogo obshchestva*, 24, 21–85.
- Gebhardt, A. von (1925) Vier neue Prachtkäfer von Borneo (Col. Buprest.). *Entomologische Blätter*, 21 (2), 92–96.
- Gebhardt, A. von (1929) Neue paläarktische Buprestiden (Col.) aus China. *Coleopterologisches Centralblatt*, (1928) 3 (1–2), 20–34.
- Gory, H.L. & Laporte de Castelnau, F.L. (1837) *Histoire naturelle et iconographie des insectes coléoptères, publiée par monographies séparées. Suite aux buprestides*. Tome II, Livraisons 12–16, Paris, P. Duménil, genera paged separately, [genera: *Colobogaster*, *Chrysobothris*, *Agrilus*].
- Hastir, P. & Gaspar, C. (2002) Les <<richards>> (Coleoptera, Buprestidae) de la faune de Belgique: éthologie, phénologie, classification et systématique. *Notes faunistiques de Gembloux*, 47, 3–39.
- Horn, W. & Kahle, I. (1935) Über entomologische Sammlungen, Entomologen & Entomo–Museologie (Ein Beitrag zur Geschichte der Entomologie). Teil I. *Entomologische Beihefte*, Berlin-Dahlem, Band 2, VI pp. & 158 pp.

- Horn, W. & Kahle, I. (1936) Über entomologische Sammlungen, Entomologen & Entomo-Museologie (Ein Beitrag zur Geschichte der Entomologie). Teil II. *Entomologische Beihefte*, Berlin-Dahlem, Band 3, p. 159–296.
- Horn, W. & Kahle, I. (1937) Über entomologische Sammlungen, Entomologen & Entomo-Museologie (Ein Beitrag zur Geschichte der Entomologie). Teil II. *Entomologische Beihefte*, Berlin-Dahlem, Band 4, p. 297–535, 38 pls.
- Hoscheck, A.B. (1931) Beiträge zur Kenntnis der Buprestiden (Col.) IV. *Mitteilungen aus dem Zoologischen Museum in Berlin*, 17 (5), 724–743.
- Hou Taoqian (1981) Coleoptera: Buprestidae, 395–396. (in Chinese with English subtitle and summary) In: *Zhongguo Kexueyuan Qingzang Gaoyuan Zonghe Kexue Kaocha Dui. Xizang kun-chong*. [Insects Of Xizang (Tibet). The Series of the Comprehensive Scientific Expedition to the Qinghai-Xizang Plateau]. Volume 1, Peking, Science Press, i–xi, 600 pp.
- Hou Taoqian (1987) Buprestidae, p. 583–599. In: Huang Fusheng, Hou Taoqian, Yin Huifen, Guo Zhili, Wang Yongxian (eds), *Forest insects of Yunnan*. Yunnan science and technology press. 1622 pp., 16 color plates.
- Hua Li Zhong (2002) *List of Chinese Insects*. Vol. II. Guangzhou, Zhongshan (Sun Yat-sen) University Press, 612 pp.
- ICZN (International Commission on Zoological Nomenclature) (1999) *International Code of Zoological Nomenclature*. Fourth Edition, adopted by the International Union of Biological Sciences. London, International Trust for Zoological Nomenclature, xxix & 306 pp.
- Illiger, J.C.W. (1803) Verzeichniss der in Portugall einheimischen Käfer. Erste Lieferung. *Magazin für Insektenkunde*, Braunschweig, 2, 186–258.
- Jendek, E. (1994) Studies in the East Palaearctic species of the genus *Agrilus* Dahl, 1823 (Coleoptera: Buprestidae). Part I. *Entomological Problems*, 25 (1), 9–24.
- Jendek, E. (1995) Studies in the East Palaearctic species of the genus *Agrilus* (Coleoptera: Buprestidae). Part II. *Entomological Problems*, 26 (2), 137–150.
- Jendek, E. (1998) Lectotype designations in the Palaearctic and Oriental *Agrilus* species (Coleoptera: Buprestidae) of the Oberthür's collection in the Muséum national d'Histoire naturelle, Paris. *Acta Societatis Zoologicae Bohemicae*, 62, 315–333.
- Jendek, E. (2000) Studies in the Palaearctic and Oriental *Agrilus* (Coleoptera, Buprestidae). I. *Biología*, Bratislava, 55 (5), 501–508.
- Jendek, E. (2001) Studies in the Palaearctic and Oriental *Agrilus* (Coleoptera, Buprestidae). II. *Biología*, Bratislava, 56 (2), 171–174.
- Jendek, E. (2003) Studies in the Palaearctic and Oriental *Agrilus* (Coleoptera, Buprestidae). III. *Biología*, Bratislava, 58 (2), 179–190.
- Kaszab, Z. (1940) Die Buprestiden Ungarns, mit Beschreibung neuer Formen (Coleopt.). *Fragmenta Faunistica Hungarica*, 3 (1–4), 81–116. (in German, with Hungarian summary)
- Kerremans, C. (1892) Coléoptères du Bengale occidental. 19me mémoire. Buprestides de l'Inde. *Annales de la Société Entomologique de Belgique*, 36, 171–226.
- Kerremans, C. (1893) Additions aux Buprestides des Indes Orientales. *Annales de la Société Entomologique de Belgique*, 37, 326–357.
- Kerremans, C. (1894a) Énumération des Buprestides recueillis par Mr. le Dr. E. Modigliani a Sumatra dans la région du lac Toba. *Annali del Museo Civico di Storia Naturale di Genova*, Serie 2, 14 (34), 526–541.
- Kerremans, C. (1894b) Buprestides Indo-Malais. *Annales de la Société Entomologique de Belgique*, 38, 468–480.
- Kerremans, C., (1895) Buprestides Indo-Malais. Deuxième partie. *Annales de la Société Entomologique de Belgique*, 39, 192–224.
- Kerremans, C. (1896) Buprestides recueillis dans les tabacs par les soins de M. A. Grouvelle II. Sumatra, III. Bresil. *Annales de la Société Entomologique de France*, 65, 138–176.

- Kerremans, C. (1899) Contribution a l'étude de la faune intertropicale Américaine. Buprestides. Fascicule II. *Annales de la Société Entomologique de Belgique*, 43, 329–367.
- Kerremans, C. (1900a) Contribution a l'étude de la faune entomologique de Sumatra (Côte ouest — Vice-résidence de Painan). Chasses de M.J.-L. Weyers VI. Buprestides. *Mémoires de la Société Entomologique de Belgique*, 7, 1–60.
- Kerremans, C. (1900b) Buprestides nouveaux et remarques synonymiques. *Annales de la Société Entomologique de Belgique*, 44, 282–351.
- Kerremans, C., (1900c) Buprestides Indo-Malais. Troisième partie. *Mémoires de la Société Entomologique de Belgique*, 7, 61–93.
- Kerremans, C. (1912a) A contribution to the study of the insect fauna of Borneo. A list of the Bornean Buprestidae (Part II.). *Sarawak Museum Journal*, 1 (2), 68–82.
- Kerremans, C. (1912b) H. Sauter's Formosa-Ausbeute. Buprestiden. *Archiv für Naturgeschichte*, 78, Abteilung A, Heft 7, 203–209.
- Kerremans, C. (1913) H. Sauter's Formosa-Ausbeute. Buprestiden. 2. Teil. *Archiv für Naturgeschichte*, (1912) 78, Abteilung A, Heft 11, 110–116.
- Kurosawa, Y. (1963) Buprestidae. 147–156 [Buprestidae], 167–168, 187–188. (in Japanese) In: Nakane, T. (ed), *Iconographia Insectorum Japonicorum*. Colore naturali edita. Vol. 2. Tokyo, Hokuryu-kan.
- Kurosawa, Y. (1974) [A comment to the Japanese Buprestidae (12)]. *Coleopterists' News*, Tokyo, 23/24, 1–4. (in Japanese)
- Kurosawa, Y. (1975) [A comment to the Japanese Buprestidae (14)]. *Coleopterists' News*, Tokyo, 27/28, 1–4. (in Japanese)
- Kurosawa, Y. (1989) A list of the buprestid species erroneously described or recorded from Japan. *Kanagawa Chûhû*, 90, 187–192.
- Ladeiro, J.M. (1949) Os Buprestídeos portugueses do Museu Zoológico da Universidade de Coimbra. *Memórias e Estudos do Museu Zoológico de Universidade de Coimbra*, No 192, 1–16.
- Lewis, G. (1893) On the Buprestidae of Japan. [Read 17th November, 1892]. *Journal of the Linnean Society of London, Zoology*, 24 (No. 154), 327–338.
- Li Jng ke (1992) *The Coleoptera fauna of Northeast China*. Jilin, Education Publishing House.
- Linné, C. von (1758) *Systema naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. Editio decima, reformata*. Holmiae, Impensis Direct. Laurentii Salvii, 824 pp.
- Marseul, S.A. de (1866) Monographie des buprestides d'Europe, du nord de l'Afrique et de l'Asie. *L'Abeille, Mémoires d'Entomologie*, 2, 397–540.
- Marseul, S.A. de (1868) Description des espèces nouvelles. *L'Abeille, Mémoires d'Entomologie*, 5, 171–218.
- Muskovits, J. (2002) A Bakony díszbogár-faunájának alapvetése (Coleoptera: Buprestidae). The data base of the buprestid-fauna of the Bakony (Coleoptera: Buprestidae). *Folia musei Historico-naturalis Bakonyiensis*, Zirc, 19, 79–116. (in Hungarian with English abstract)
- Muskovits, J. & Hegyessy, G. (2002) *Magyarország díszbogarai (Coleoptera: Buprestidae). Jewel beetles of Hungary (Coleoptera: Buprestidae)*. Nagykovácsi, Grafon Kiadó, 404 pp., 231 figs., 120 distribution maps, 16 color plates. (in Hungarian and English)
- Muskovits, J., Hegyessy, G. & Rahmé, N. (2003) *Adatok Magyarország díszbogár-faunájának ismeretéhez (Coleoptera: Buprestidae). Data to the knowledge of Hungary's buprestid fauna (Coleoptera: Buprestidae)*. A Janus Pannonius Múzeum Evkönyve, Pécs, 2001–2002 (46–47), 13–24. (in Hungarian with English abstract)
- Mühle, H., Brandl, P. & Niehuis, M. (2000) *Catalogus faunae Graeciae*. Coleoptera, Buprestidae. Augsburg, Röble, 254 pp.
- Niehuis, M. (2004) *Die Prachtkäfer in Rheinland-Pfalz und im Saarland. Zugleich Beiheft 31 der*

- Schriftenreihe "Fauna und Flora in Rheinland-Pfalz". Landau, Gesellschaft für Naturschutz und Ornithologie Rheinland-Pfalz e. V. (GNOR), 712 pp, figs.
- Obenberger, J. (1913) Bemerkungen über einige neue und einige bekannte Buprestiden-Arten. *Coleopterologische Rundschau*, 2 (2), 25–33.
- Obenberger, J. (1916) Ueber einige neue indische Agrilusarten. *Neue Beiträge zur systematischen Insektenkunde*, 1, 12–14.
- Obenberger, J. (1922) De novis Buprestidarum regionis palaearticae speciebus II. *Časopis Československé Společnosti Entomologické*, 19, 18–29, 66–71.
- Obenberger, J. (1924a) A study of the Buprestidae, collected by Charles Fuller Baker in Singapore, Borneo and the Philippine Islands. *Philippine Journal of Science*, Manila, 25 (5), 539–660.
- Obenberger, J. (1924b) Kritische Studien über die Buprestiden (Col.). *Archiv für Naturgeschichte*, 90 (A) Heft 3, 1–171.
- Obenberger, J. (1924c) Symbolae ad specierum regionis palaearticae Buprestidarum cognitionem. *Jubilejní Sborník Československé Společnosti Entomologické*, p. 6–59.
- Obenberger, J. (1925) De novis Buprestidarum regionis palaearticae speciebus V. *Časopis Československé Společnosti Entomologické*, 22, 30–34.
- Obenberger, J. (1927a) De novis Buprestidarum regionis palaearticae speciebus IX. *Časopis Československé Společnosti Entomologické*, 24, 15–20.
- Obenberger, J. (1927b) De novis Buprestidarum regionis palaearticae speciebus X. *Časopis Československé Společnosti Entomologické*, 24, 70–77.
- Obenberger, J. (1934) Buprestidae, p. 11–14. In: Hedin, S. & Ping-Chang, S. (eds), Schwedisch-chinesische wissenschaftliche Expedition nach den nordwestlichen Provinzen Chinas unter Leitung von Dr. Sven Hedin und Prof. Sü Ping-chang. Insekten gesammelt vom schwedischen Arzt der Expedition Dr. David Hummel 1927–1930. *Arkiv för Zoologie*, 27A (19), 24 pp.
- Obenberger, J. (1935a) De regionis palaearticae generis Agrili speciebus novis (Col. Bupr.). O nových palaearktických druzích krasců z rodu Agrilus. *Časopis Československé Společnosti Entomologické*, 32, 161–171.
- Obenberger, J. (1935b) Catalogue raisonné des Buprestides de Bulgarie. III Partie. *Bulletin des Institutions Royales d'Histoire Naturelle*, Sofia, 8, 23–96.
- Obenberger, J. (1936a) De novis regionis orientalis Agrili generis speciebus (Col. Bupr.) II. Nové druhy orientálních krasců rodu Agrilus. *Časopis Československé Společnosti Entomologické*, 33, 33–44.
- Obenberger, J. (1936b) Synonymia Agrilorum (Col. Bupr.) II. *Časopis Československé Společnosti Entomologické*, 33, 91–92.
- Obenberger, J. (1936c) Nové druhy krasců z rodu Agrilus z Japonska (Col. Bupr.). De novis Japoniae generis Agrili speciebus (Col. Bupr.). *Časopis Československé Společnosti Entomologické*, 33, 140–141.
- Obenberger, J. (1936d) Buprestidae V., p. 935–1246. In: Junk, W. & Schenkling, S. (eds), *Coleopterorum Catalogus*, Volumen XIII, Pars 152, Gravenhage, Verlag für Naturwissenschaften, W. Junk, 311 pp.
- Obenberger, J. (1936e) De speciebus novis palaearticae generis Agrilus (Col. Bupr.). Nové palaearktické druhy rodu Agrilus (Col. Bupr.). *Časopis Československé Společnosti Entomologické*, 33, 104–118.
- Obenberger, J. (1940a) *Agrilus fleischeri* ssp. *kurosawai* n. *Časopis České Společnosti Entomologické*, 37, 26.
- Obenberger, J. (1940b) Ad regionis palaearticae Buprestidarum cognitionem additamentum A. Studie o palaearktických krascích (Col. Bupr.). *Acta Musei nationalis Pragae*, (Zool. No. 3) 2 B, No. 6, 111–189.
- Obenberger, J. (1940c) Nový krasec z Ruska. *Časopis České Společnosti Entomologické*, 37, 60. (in Latin)

- Obenberger, J. (1958) Buprestides, trouvés par l'expédition chino-soviétique 1955 en Chine méridionale (Col., Buprestidae). *Časopis Československé Společnosti Entomologické*, 55, 223–243.
- Obenberger, J. (1959) Druhy rodu *Agrilus* Curtis z Australie a Oceánie. Sur les espèces du genre *Agrilus* Curtis de l'Australie et Océanie (Coleoptera Buprestidae). *Acta Entomologica Musei Nationalis Pragae*, 33, 223–240.
- Obenberger, J. (1960) Notes et études buprestologiques I. (Coleoptera). Buprestodologické studie I. *Acta Universitatis Carolinae, Biologica*, No. 2, 125–153.
- Olivier, A.G. (1790) *Entomologie, ou histoire naturelle des insectes, avec leurs caractères génériques et spécifiques, leur description, leur synonymie, et leur figure enluminée. Coléoptères*. Tome second. Paris, De l'Imprimerie de Baudouin, Imprimeur de l'Assemblée Nationale, Genera No. 9–33, [paged separately].
- Sakalian, V.P. (2003) *A catalogue of the jewel beetles of Bulgaria (Coleoptera: Buprestidae)*. Sofia - Moscow, Pensoft, 246 pp.
- Saunders, E. (1866) Catalogue of Buprestidae collected by the late M. Mouhot, in Siam, &c., with descriptions of new species. *Transactions of the Entomological Society of London*, 5 (3), 297–322.
- Saunders, E. (1873) Descriptions of Buprestidae collected in Japan by George Lewis, Esq. *Journal of Proceedings of the Linnean Society of London, Zoology*, 11, 509–523.
- Saunders, E. (1874) Notes on the Buprestidae collected by Professor Semper in the Philippine Islands; with descriptions of the new species. *Transactions of the Entomological Society of London*, 2, 303–328.
- Schaefer, L. (1937) Quatrième note sur les Buprestides. *Miscellanea Entomologica*, 38, 82–85.
- Schaefer, L. (1949) Les Buprestides de France. Tableaux analytiques des Coléoptères de la faune franco-rhénane. France, Rhénane, Belgique, Hollande, Valais, Corse. Famille LVI. *Miscellanea Entomologica*, Supplément: 511 pp.
- Schrank von Paula, F. (1782) Kritische Revision des österreichischen Insectenverzeichnisses. *Neues Magazin für die Liebhaber der Entomologie, Zürich & Winterthur*, 1, 135–168, 263–306.
- Semenov, A. (1890) Diagnoses Coleopterorum novorum ex Asia Centrali et Orientali. III. *Trudy Russkago Ėntomologicheskogo obshchestva*, 25, 262–382.
- Stepanov, V.N. (1954) Dva novykh dlya fauny SSSR vida uzkotelykh zlatok roda *Agrilus* Curt. iz podroda *Epinagrilus* V. Stepanov subgen. n. *Zoologicheskii Zhurnal*, 33 (1), 114–119. (in Russian)
- Thomson, J. (1879) *Typi buprestidarum musaei Thomsoniani*. Appendix 1A. Paris, E. Deyrolle, 87 pp.
- Tôyama, M. (1985) The buprestid beetles of the subfamily Agrilinae from Japan (Coleoptera, Buprestidae). *Elytra*, 13 (1), 19–47.
- Tôyama, M. (1987) New agriline buprestid beetles (Coleoptera, Buprestidae) from Asia (I). *Kontyû*, Tokyo, 55 (2), 298–323.
- Verdugo Paéz, A. (2003) Contribución a un mejor conocimiento de los buprestidos Ibéricos (Coleoptera, Buprestidae). *Boletín de la SEA, Sociedad Entomológica Aragonesa, Zaragoza*, 32, 197–200.
- Yang Xingke, Sun Hongguo & Jiang Guomei (1991) *Catalogue of the type specimens in the insect collection of the Institute of Zoology Academia Sinica*, Beijing, China. Beijing, Agricultural Publishing House.