OPINION 2008 (Case 3149)

30 species-group names originally published as junior primary homonyms in *Buprestis* Linnaeus, 1758 (Insecta, Coleoptera): conserved

Keywords. Nomenclature; taxonomy; Coleoptera; BUPRESTIDAE; *Buprestis*; buprestids; jewel beetles.

Ruling

(1) Under the plenary power it is hereby ruled that the following specific names are not to be treated as invalid by reason of having been originally published as junior primary homonyms in combination with *Buprestis* Linnaeus, 1758:

(1.1) *arcuata* Laporte & Gory, 1838;
(1.2) *aurata* Fabricius, 1787;
(1.3) *bella* Gory, 1840;
(1.4) *bilineata* Latreille, 1813;
(1.5) *caerulea* Olivier, 1790;
(1.6) *cayennensis* Herbst, 1801;
(1.7) *cuprifera* Laporte & Gory, 1836;
(1.8) *cyanipes* Say, 1823;
(1.9) *depressa* Fabricius, 1775;
(1.10) *drummondi* Kirby, 1837;
(1.11) *excellens* Klug, 1855;
(1.12) *fasciata* Villers, 1789;
(1.13) *femorata* Olivier, 1790;
(1.14) *flavofasciata* Herbst, 1801;
(1.15) *foveicollis* Gory, 1840;
(1.16) *geminatus* Say, 1823;
(1.17) *gibbicollis* Say, 1823;
(1.18) *haemorrhoidalis* Olivier, 1790;
(1.19) *interrupta* Laporte & Gory, 1837;
(1.20) *maculipennis* Gory, 1841;
(1.21) *mucronata* Laporte & Gory, 1836;
(1.22) *nobilis* Fabricius, 1787;
(1.23) *picta* Thunberg, 1827;
(1.24) *picta* Waterhouse, 1882;
(1.25) *pumila* Klug, 1829;
(1.26) *salicis* Lewis, 1893;
(1.27) *sulcata* Fischer von Waldheim, 1824;
(1.28) *variolosa* Fabricius, 1801;
(1.29) *ventralis* Waterhouse, 1882;
(1.30) *vetusta* Boisduval, 1835.

(2) The following names are hereby placed on the Official List of Generic Names in Zoology:

(2.1) *Actenodes* Dejean, 1833 (gender: masculine), type species by monotypy *Buprestis nobilis* Linnaeus, 1758;

(2.2) *Carininota* Volkovitsh, 1979 (gender: feminine), type species by original designation *Buprestis flavofasciata* Piller & Mitterpacher, 1783;

(2.3) *Cyphogastra* Deyrolle, 1864 (gender: feminine), type species by subsequent designation by Bellamy (1998) *Buprestis foveicollis* Boisduval, 1835;

(2.4) *Nascio* Laporte & Gory, 1838 (gender: feminine), type species by monotypy *Buprestis vetusta* Boisduval, 1835.

(3) The following names, published in combination with *Buprestis* Linnaeus, 1758, are hereby placed on the Official List of Specific Names in Zoology:

(3.1) *arcuata* Say, 1825;

(3.2) *arcuata* Laporte & Gory, 1838;

(3.3) *aurata* Pallas, 1776;

(3.4) *aurata* Fabricius, 1787;

(3.5) *bella* Gory, 1840;

(3.6) *bilineata* Weber, 1801;

(3.7) *bilineata* Latreille, 1813;

(3.8) *caerulea* Thunberg, 1789;

(3.9) *caerulea* Olivier, 1790;

(3.10) *cayennensis* Gmelin, 1790;

(3.11) *cayennensis* Herbst, 1801;

(3.12) *cuprifera* Kirby, 1818;

(3.13) *cuprifera* Laporte & Gory, 1836;

(3.14) *cyanipes* Fabricius, 1787;

(3.15) *cyanipes* Say, 1823;

(3.16) *depressa* Linnaeus, 1771;

(3.17) *depressa* Fabricius, 1775;

(3.18) *drummondi* Laporte & Gory, 1836;

(3.19) *drummondi* Kirby, 1837;

(3.20) *excellens* Klug, 1825;

(3.21) *excellens* Klug, 1855;

(3.22) *fasciata* Fabricius, 1787;

(3.23) *fasciata* Villers, 1789;

(3.24) *femorata* Olivier, 1790;

(3.25) *flavofasciata* Piller & Mitterpacher, 1783 (specific name of the type species of *Carininota* Volkovitsh, 1979);

(3.26) *flavofasciata* Herbst, 1801;

(3.27) *foveicollis* Boiduval, 1835 (specific name of the type species of *Cyphogastra* Deyrolle, 1864);

(3.28) *foveicollis* Gory, 1840;

(3.29) *geminatus* Say, 1823;

(3.30) *gibbicollis* Illiger, 1803;

(3.31) *gibbicollis* Say, 1823;

(3.32) *haemorrhoidalis* Herbst, 1780;

(3.33) *haemorrhoidalis* Olivier, 1790;
(3.34) *interrupta* Olivier, 1790;
(3.35) *interrupta* Laporte & Gory, 1837;
(3.36) *maculipennis* Laporte & Gory, 1837;
(3.37) *maculipennis* Gory, 1841;
(3.38) *mucronata* Klug, 1825;
(3.39) *mucronata* Laporte & Gory, 1836;
(3.40) *nobilis* Linnaeus, 1758 (specific name of the type species of *Actenodes* Dejean, 1833);
(3.41) *nobilis* Fabricius, 1787;
(3.42) *picta* Thunberg, 1827;
(3.43) *picta* Waterhouse, 1882;
(3.44) *pumila* Illiger, 1803;
(3.45) *pumila* Klug, 1829;
(3.46) *rauca* Fabricius, 1787 (senior synonym of *Buprestis geminatus* Illiger, 1803);
(3.47) *salicis* Fabricius, 1776;
(3.48) *salicis* Lewis, 1893;
(3.49) *sulcata* Thunberg, 1789;
(3.50) *sulcata* Fischer von Waldheim, 1824;
(3.51) *variolosa* Fabricius, 1801;
(3.52) *ventralis* Laporte & Gory, 1838;
(3.53) *ventralis* Waterhouse, 1882;
(3.54) *vetusta* Ménétries, 1832;
(3.55) *vetusta* Boisduval, 1835 (specific name of the type species of *Nascio* Laporte & Gory, 1838).

(4) The following names are hereby placed on the Official List of Specific Names in Zoology:
(4.1) *hungarica* Scopoli, 1772, as published in the binomen *Chrysis hungarica* (senior synonym of *Buprestis femorata* Villers, 1789);
(4.2) *maulica* Molina, 1782, as published in the binomen *Chrysomela maulica* (senior synonym of *Buprestis bella* Guérin Méneville, 1830).

History of Case 3149

An application for the conservation of 31 specific names originally published as junior primary homonyms in *Buprestis* Linnaeus, 1758 was received from Dr C.L. Bellamy (*Plant Pest Diagnostics Lab, California Department of Food and Agriculture, Sacramento, California, U.S.A.*) on 9 November 1999. After correspondence the case was published in BZN **58**: 24–31 (March 2001). Notice of the case was sent to appropriate journals.

A comment in support of the application was published in BZN **58**: 228 (September 2001).

A comment from Dr Eduard Jendek (*Institute of Zoology, Slovak Academy of Sciences, Bratislava, Slovak Republic*), received during the voting period, noted that the specific name of '*Bupestris cyanea*' was listed by Rossi (1790, pp. 189–190) with a reference to Fabricius's (1775) description of the species ('F. Sp. 282.6') and a short diagnosis. In fact, Rossi misidentified Fabricius's taxon and used Fabricius's name

for a species of *Agrilus* Curtis, 1825. Although *Agrilus* '*cyanea*' Rossi was used for some time, it is an unavailable name and since Schaefer (1949, pp. 370, 371) the species has been known as *A. sulcicollis* Boisduval & Lacordaire, 1835. Dr Bellamy agreed with the comment and the name *Buprestis* '*cyanea*' Rossi, 1790 has not been placed on the Official List.

Schaefer, L. 1949. Les buprestides de France. Tableaux analytiques des coléoptères de la faune franco-rhénane. Famile 56. *Miscellanea Entomologica*, Supplement. 511 pp.

In para. 2(24) of the application, *Buprestis picta* Pallas, 1773 was incorrectly cited as the type species of *Trachypteris* Kirby, 1837. Kirby (1837) designated *B. decostigma* Fabricius, 1787 as the type species of his new genus, and Kiesenwetter (1857, p. 74) subsequently synonymised *B. decostigma* with *B. picta.* This was set out in Case 2837/2, published in BZN **50**: 31 (para. 3) and 32 (para. 5) (March 1993).

Kiesenwetter, H. von. 1857. *Naturgeschichte der Insecten Deutschlands* (W.F. Erichson), vol. 1 (Coleoptera), part 4 (Buprestidae).

The name *Poecilonota* Eschscholtz, 1829 and that of the type species, *Buprestis variolosa* Paykull, 1799, were placed on Official Lists in Opinion 1825 (March 1996).

Decision of the Commission

On 1 December 2001 the members of the Commission were invited to vote on the proposals published in BZN **58**: 28–29. At the close of the voting period on 1 March 2002 the votes were as follows:

Affirmative votes – 22: Alonso-Zarazaga, Bock, Böhme, Brothers, Cogger, Eschmeyer, Evenhuis, Fortey, Halliday, Kraus, Lamas, Macpherson, Mahnert, Martins de Souza, Mawatari, Minelli, Nielsen, Papp, Patterson, Song, Štys, van Tol

Negative votes – none.

Bouchet and Calder abstained.

No votes were received from Dupuis, Kerzhner, Ng and Rosenberg.

The names *Buprestis femorata* Olivier, 1790 and *Buprestis bella* Gory, 1840 are ruled in (1.13) and (1.3) not to be treated as invalid, but it is their senior synonyms *Chrysis hungarica* Scopoli, 1772 and *Chrysomela maulica* Molina, 1782 that are placed on the Official List of Specific Names in Zoology in (4.1) and (4.2).

Original references

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:

Actenodes Dejean, 1833, *Catalogue des coléoptères de la collection de M. le Comte Dejean*, Ed. 2, livraison 1, p. 80.

arcuata, *Buprestis*, Say, 1825, *Annals of the Lyceum of New York*, **1**: 251.

arcuata, *Buprestis*, Laporte & Gory, 1838, *Histoire naturelle et iconographie des insectes coléoptères*, vol. 1, p. 159.

aurata, *Buprestis*, Pallas, 1776, *Reise durch verschiedene Provinzen des Russischen Reiches in den Jahren 1768–1774*, p. 719.

aurata, *Buprestis*, Fabricius, 1787, *Mantissa insectorum* . . ., vol. 1, p. 178.

bella, *Buprestis*, Gory, 1840, *Histoire naturelle et iconographie des insectes coléoptères.* Monographie des buprestides, Supplement, p. 116.

bilineata, *Buprestis*, Weber, 1801, *Observationes entomologicae, continentes novorum quae condidit generum characteres, et nuper detectarum specierum descriptiones*, p. 74.

bilineata, *Buprestis*, Latreille, 1813, *in* Humboldt, F.H.A. von & Bonpland, A.J.A., *Voyage aux régions equinoxiales du Nouveau Continent, fait en 1799–1804*, vol. 2, part 2, p. 60.

caerulea, *Buprestis*, Thunberg, 1789, *Novas Insectorum species*. 5. Dissertation, p. 91.

caerulea, *Buprestis*, Olivier, 1790, *Entomologie, ou histoire naturelle des insectes* . . . Coléoptères, genera 9–34, vol. 2(32), p. 21.

Carininota Volkovitsh, 1979, *Entomologicheskoe Obozrenie*, **58**(2): 352. [In Russian; English translation in *Entomological Review*, **58**(2), 1979].

cayennensis, *Buprestis*, Gmelin, 1790, *Caroli a Linné, Systema Naturae*, Ed. 13, vol. 1, part 4 (Insecta), p. 1931.

cayennensis, *Buprestis*, Herbst, 1801, *Natursystem aller bekännten in- und ausländischen Insecten, als eine Fortsetzung der Büssonschen Naturgeschichte. Der Käfer*, vol. 9, p. 56.

cuprifera, *Buprestis*, Kirby, 1818, *Transactions of the Linnean Society of London*, **12**: 457.

cuprifera, *Buprestis*, Laporte & Gory, 1836, *Histoire naturelle et iconographie des insectes coléoptères*, vol. 1, p. 59.

cyanipes, *Buprestis*, Fabricius, 1787, *Mantissa insectorum* . . ., vol. 1, p. 178.

cyanipes, *Buprestis*, Say, 1823, *Journal of the Academy of Natural Sciences of Philadelphia*, **3**: 164.

Cyphogastra Deyrolle, 1864, *Annales de la Société Entomologique de Belgique*, **8**: 36.

depressa, *Buprestis*, Linnaeus, 1771, *Mantissa Plantarum*, p. 533.

depressa, *Buprestis*, Fabricius, 1775, *Systema entomologiae* . . ., p. 219.

drummondi, *Buprestis*, Laporte & Gory, 1836, *Histoire naturelle et iconographie des insectes coléoptères*, vol. 1, p. 37.

drummondi, *Buprestis*, Kirby, 1837, *in* Richardson, J. (Ed.), *Fauna Boreali-Americana*, part 4, p. 57.

excellens, *Buprestis*, Klug, 1825, *Nova Acta Physico-Medica Academiae Caesareae-Leopoldino Carolinae, Naturae Curiosorum*, **12**(2): 421.

excellens, *Buprestis*, Klug, 1855, *Bericht über die zur Bekanntmachung geeigneten Verhandlungen der Königlich Preussischen Akademie der Wissenschaften zu Berlin*, **1855**: 644.

fasciata, *Buprestis*, Fabricius, 1787, *Mantissa insectorum* . . ., vol. 1, p. 177.

fasciata, *Buprestis*, Villers, 1789, *Caroli Linnaei Entomologia*, p. 339.

femorata, *Buprestis*, Olivier, 1790, *Entomologie, ou histoire naturelle des insectes* . . . Coléoptères, genera 9–34, vol. 2(32), p. 47.

flavofasciata, *Buprestis*, Piller & Mitterpacher, 1783, *Iter per Poseganum, Sclavoniae provinciam mensibus Junio et Julio 1782 susceptum*, p. 84.

flavofasciata, *Buprestis*, Herbst, 1801, *Natursystem aller bekännten in- und ausländischen Insecten, als eine Fortsetzung der Büssonschen Naturgeschichte. Der Käfer*, vol. 9, p. 306.

foveicollis, *Buprestis*, Boisduval, 1835, *Voyage de découvertes de l'*Astrolabe *exécuteé*, . . . *pendant les années 1826–1827–1828–1829, sous les commandement de M.J. Dumont d'Urville. Faune entomologique de l'Océan Pacifique, avec l'illustration des insectes nouveaux recueillis pendant le voyage*. Deuxième partie (Coléoptères et autres ordres), p. 73.

foveicollis, *Buprestis*, Gory, 1840, *Histoire naturelle et iconographie des insectes coléoptères*. Monographie des buprestides, Supplement, p. 95.

geminatus, *Buprestis*, Say, 1823, *Journal of the Academy of Natural Sciences of Philadelphia*, **3**: 163.

gibbicollis, *Buprestis*, Illiger, 1803, *Magazin für Insectenkunde*, **2**: 239.

gibbicollis, *Buprestis*, Say, 1823, *Journal of the Academy of Natural Sciences of Philadelphia*, **3**: 161.

haemorrhoidalis, *Buprestis*, Herbst, 1780, *Schriften der Berlinerischen Gesellschaft Naturforschender Freunde*, **1**: 97.

haemorrhoidalis, *Buprestis*, Olivier, 1790, *Entomologie, ou histoire naturelle des insectes* . . . Coléoptères, genera 9–34, vol. 2(32), p. 38.

hungarica, *Chrysis*, Scopoli, 1772, *Annus V*, p. 122.

interrupta, *Buprestis*, Olivier, 1790, *Entomologie, ou histoire naturelle des insectes* Coléoptères, genera 9–34, vol. 2(32), p. 26.

interrupta, *Buprestis*, Laporte & Gory, 1837, *Histoire naturelle et iconographie des insec coléoptères*, vol. 1, p. 81.

maculipennis, *Buprestis*, Laporte & Gory, 1837, *Histoire naturelle et iconographie des insec coléoptères*, vol. 1, p. 111.

maculipennis, *Buprestis*, Gory, 1841, *Histoire naturelle et iconographie des insectes coléoptè* Monographie des buprestides, Supplement, p. 118.

maulica, *Chrysomela*, Molina, 1782, *Saggio sulla storia naturale del Chili*, p. 209.

mucronata, *Buprestis*, Klug, 1825, *Nova Acta Physico-Medica Academiae Caesare Leopoldino Carolinae, Naturae Curiosorum*, **12**(2): 426.

mucronata, *Buprestis*, Laporte & Gory, 1836, *Histoire naturelle et iconographie des insec coléoptères*, vol. 1, p. 62.

Nascio Gory & Laporte, 1838, *Histoire naturelle et iconographie des insectes coléoptères, pub par monographies séparées*, Genre *Nascio*, p. 2.

nobilis, *Buprestis*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 410.

nobilis, *Buprestis*, Fabricius, 1787, *Mantissa insectorum* . . ., vol. 1, p. 180.

picta, *Buprestis*, Thunberg, 1827, *Nova Acta Regiae Societatis Scientiarum Upsaliensis*, **9**:

picta, *Buprestis*, Waterhouse, 1882, *in* Godman, F.D. & Salvin, O. (Eds.), *Biolo Centrali-Americana*, vol. 3, part 1 (Insecta, Coleoptera, Buprestidae), p. 15.

pumila, *Buprestis*, Illiger, 1803, *Magazin für Insectenkunde*, **2**: 275.

pumila, *Buprestis*, Klug, 1829, *Symbolae physicae seu icones et descriptiones insectorum quae itinere per Africam borealem et Asiam occidentalem Friderici Gulielmi Hemprich Christiani Godofredi Ehrenberg* . . ., fol. 5, p. 37.

rauca, *Buprestis*, Fabricius, 1787, *Mantissa insectorum* . . ., vol. 1, p. 177.

salicis, *Buprestis*, Fabricius, 1776, *Genera insectorum*, p. 237.

salicis, *Buprestis*, Lewis, 1893, *Journal of the Linnean Society of London* (Zoology), **24**: 33

sulcata, *Buprestis*, Thunberg, 1789, *Novas Insectorum species*. 5. Dissertation, p. 90.

sulcata, *Buprestis*, Fischer von Waldheim, 1824, *Entomographia Imperii Russici. Gen Insectorum systematica exposita et analysi iconographica instructa*. Coleoptera, vol. p. 197.

variolosa, *Buprestis*, Fabricius, 1801, *Systema Eleutheratorum*, vol. 2, p. 190.

ventralis, *Buprestis*, Laporte & Gory, 1838, *Histoire naturelle et iconographie des insec coléoptères*, vol. 1, p. 158.

ventralis, *Buprestis*, Waterhouse, 1882, *in* Godman, F.D. & Salvin, O. (Eds.), *Biolo Centrali-Americana*, vol. 3, part 1 (Insecta, Coleoptera, Buprestidae), p. 14.

vetusta, *Buprestis*, Ménétries, 1832, *Catalogue raisonné des objets de zoologie recueillis dans voyage au Caucase et jusqu'aux frontières actuelles de la Perse*, p. 152.

vetusta, *Buprestis*, Boisduval, 1835, *Voyage de découvertes de l'*Astrolabe *exécuteé, . . . pend les années 1826–1827–1828–1829, sous les commandement de M.J. Dumont d'Urville. Fau entomologique de l'Océan Pacifique, avec l'illustration des insectes nouveaux recuei pendant le voyage*. Deuxième partie (Coléoptères et autres ordres), p. 85.

The following is the reference for the designation of *Buprestis foveicollis* Boisduval, 1835 the type species of *Cyphogastra* Deyrolle, 1864:

Bellamy, C.L. 1998. *Deutsche Entomologische Zeitschrift*, **45**(1): 10.