

APPLICATIONS AND OPINIONS PUBLISHED IN THE BULLETIN OF ZOOLOGICAL NOMENCLATURE

The following applications and opinions were published in *Bulletin of Zoological Nomenclature*, Vol. 51, Part 2, 30 June 1994 and Vol. 51, Part 3, 30 September 1994. Comment or advice on these Applications is invited for publication in the *Bulletin* and should be sent to the Executive Secretary, I.C.Z.N., c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K.

APPLICATIONS: BZN 51(2), 30 JUNE 1994

Case 2809. *Fursenkoina* Loeblich & Tappan, 1961 (Foraminiferida): proposed conservation (by Shefan A. Revets).

Abstract. - The purpose of this application is to conserve the foraminiferan generic name *Fursenkoina* Loeblich & Tappan, 1961. *Fursenkoina* is a replacement name for *Virgulina* d'Orbigny, 1826, which is a junior homonym. The name *Cassidella* Hofker, 1953 was proposed for a generic concept which makes it a senior synonym of *Fursenkoina*, although its type species has been misidentified in more than one way. The name *Cassidella* has been misunderstood and little used and its suppression is proposed in order to safeguard *Fursenkoina*, which is in wide use and the basis of a family-group name.

Case 2848. *Chromadora* Bastian, 1865 and *Euchromadora* de Man, 1886 (Nematoda): proposed conservation of usage by the designation of *C. nudicapitata* Bastian, 1865 as the type species of *Chromadora* (by P.A.A. Loof).

Abstract. - The purpose of this application is to stabilize the existing usage of the names of two genera of aquatic free-living nematodes, *Chromadora* Bastian, 1865 and *Euchromadora* de Man, 1886. *Chromadora* is the type genus of a nominal family and superfamily, and *Euchromadora* of a subfamily. The type species of *Euchromadora* is *Chromadora vulgaris* Bastian, 1865, and according to a long overlooked designation this is also the type species of *Chromadora*. The latter genus is always used in the sense of being typified by *C. nudicapitata* Bastian, 1865 and it is proposed that this be fixed as the type species.

Case 2870. *Xerophila geyeri* Soos, 1926 (currently *Trochoidea geyeri*; Mollusca, Gastropoda): proposed conservation of the specific name (by Edmund Gittenberger).

Abstract. - The purpose of this application is to conserve the specific name of *Trochoidea geyeri* (Soos, 1926) for a terrestrial pulmonate snail (family HYGROMIIDAE) from western Europe, which is also found in Pliocene and Pleistocene deposits. The name is in universal usage but is threatened by five senior subjective synonyms which have been unused since publication and for which suppression is proposed. The earlier names are *Helix arceuthophila* and *H. ycaunica*, both of Mabille (1881); *H. vicianica* Bourguignat in Locard, 1882; *H. deana* and *H. pleurestha*, both of Berthier (1884).

Case 2862. A.A.H. Lichtenstein's (1796, 1797) *Catalogus musei zoologici Sectio tertia. Continens Insecta* and D.H. Schneider's (1800) *Verzeichniss einer Parthei Insekten* : proposed suppression, with conservation of some Lichtenstein (1796) names (Insecta and Arachnida) (by I.M. Kerzhner).

Abstract. - It is proposed that the very rare and usually neglected publication by Lichtenstein (1796, 1797) entitled *Catalogus musei zoologici ... Sectio tertia. Continens Insecta* and by Schneider (1800) entitled *Verzeichniss einer Parthei Insekten* be suppressed for nomenclatural purposes. Despite this, the conservation as from Lichtenstein (1796) is recommended of one generic name (*Solpuga*) and 20 specific names being in general current usage (Insecta and Arachnida).

Case 2890. *Rhopalosiphum monardae* Davis, 1911 (currently *Hyalomyzus monardae*; Insecta, Homoptera): proposed conservation of the specific name (by David J. Voegtlind).

Abstract. - The purpose of this application is to conserve the specific name of the North American aphid *Rhopalosiphum monardae* Davis, 1911. This is threatened by the senior subjective synonym *Phorodon scrophulariae* Thomas, 1879, which has not been used in primary literature since 1903.

Case 2929. *Bhatia* Distant, 1908 (Insecta, Homoptera): proposed confirmation of *Eutettix?* *olivaceus* Melichar, 1903 as the type species (by M.D. Webb).

Abstract. - The purpose of this application is to confirm *Eutettix?* *olivaceus* Melichar, 1903 as the type species of the leafhopper genus *Bhatia* Distant, 1908. Distant (1908) was in fact dealing not with *E. olivaceus* but with a still unnamed closely related species when describing *Bhatia*, but no instability will result from the confirmation of *E. olivaceus* as the type species.

Case 2878. *Scarabaeus rufus* Moll, 1782 (currently *Aphodius rufus*), *Scarabaeus rufus* Fabricius, 1792 (currently *Aegialia rufa*) and *Scarabaeus foetidus* Herbst, 1783 (currently *Aphodius foetidus*) (Insecta, Coleoptera): proposed conservation of usage of the specific names (by Frank-Thorsten Krell, Adzisiawa Setnicka and Erik Holm).

Abstract. - The purpose of this application is to conserve the specific names of the scarab beetles *Scarabaeus rufus* Moll, 1782 and *S. rufus* Fabricius, 1792, which are junior primary homonyms of *S. rufus* De Geer, 1778. Despite their homonymy all three specific names have been used since publication and are currently in use; they have not been considered congeneric for 150 years. It is proposed that the name *S. scabalarius* Fabricius, 1781, a senior subjective synonym of *S. rufus* Moll which, through misidentification, has been used for the taxon correctly called *S. foetidus* Herbst, 1783, should be suppressed. *Dischista rufa* (De Geer) is a well known and widely distributed African species of the subfamily CETONINAE. The larvae have been found in rhinoceros dung; the adults never feed on dung but on fruit and flowers and are a common pest in beehives. A lectotype is designated. *Aphodius* (*Agrilinus*) *rufus* (Moll) and *Aphodius* (*Aphodius*) *foetidus* Herbst (subfamily APHODINAE) are European species, frequently found in mammal dung. *Aegialia rufa* (Fabricius, 1792) (subfamily AEGIALIINAE or APHODIINAE, tribe AEGIALIINI) is also European and has been introduced into the U.S.A. and Canada; it is psammobiontic and littoral, mostly found in plant debris.

Case 2885. *Ischyurus* Lacordaire, 1842, *Lybas* Lacordaire, 1842, *Mycotretus* Lacordaire, 1842 and *Megischyrus* Crotch, 1873 (Insecta, Coleoptera): proposed conservation (by Paul E. Skelley and Michael A. Goodrich).

Abstract. - The purpose of this application is to conserve the names of the American beetle genera *Ischyurus* Lacordaire, 1842, *Lybas* Lacordaire, 1842, *Mycotretus* Lacordaire, 1842 and *Megischyrus* Crotch, 1873 in their current usage. *Ischyurus*, *Lybas* and *Mycotretus* were first used as available names by Dejean (1836), but they have long been used in the sense of Lacordaire (1842) and attributed to that authorship. Crotch (1873, 1876) designated *Erotylus undatus* Olivier, 1792 as type species of his new nominal genus *Megischyrus*; *Erotylus quadripunctatus* Olivier, 1792 as type species of *Ischyurus* (sensu Lacordaire); and *Lybas normalis* Lacordaire, 1842 as type species of *Lybas* (sensu Lacordaire). Boyle (1956) designated *Erotylus lesueuri* Chevrolat, 1835 as type species of *Mycotretus* (sensu Lacordaire). Crotch's (1873) nomenclature for *Ischyurus* and *Megischyrus*, and Lacordaire's (1842) nomenclature for *Mycotretus* and *Lybas*, are those currently used and it is proposed that they be adopted.

Case 2919. *Lithobius piceus* L. Koch, 1862 (Chilopoda): proposed conservation of the specific name (by E.H. Eason).

Abstract. - The purpose of this application is to conserve the specific name of the centipede *Lithobius piceus* L. Koch, 1862, a widespread species in Europe. It is threatened by the unused senior subjective synonym *L. quadridentatus* Menge, 1851.

Case 2928. *Regnum Animale*, Ed. 2 (M. J. Brisson, 1762): proposed rejection, with the conservation of the mammalian generic names *Philander* (Marsupialia), *Pteropus* (Chiroptera), *Glis*, *Cuniculus* and *Hydrochoerus* (Rodentia), *Meles*, *Lutra* and *Hyaena* (Carnivora), *Tapirus* (Perissodactyla), *Tragulus* and *Giraffa* (Artiodactyla) (by Anthea Gentry).

Abstract. - The purpose of this application is to conserve 11 mammal generic names which were first published in M.J. Brisson's *Regnum Animale* (1762). Brisson did not always use binomial names for species and the work is therefore not available; its rejection is proposed. However, a number of generic names included in it have had established usage for over 230 years. These are *Philander* (four-eyed opossum of South and Central America), *Pteropus* (fruit bat or flying 'fox' from the tropics of the Old World), *Glis* (European fat or edible dormouse), *Cuniculus* (South and Central American lowland paca), *Hydrochoerus* (South and Central American capybara), *Meles* (European and Asian badger), *Lutra* (river otter with world-wide distribution except Australasia), *Hyaena* (striped and brown hyenas of Asia and Africa), *Tapirus* (tapir of Asia, Central and South America), *Tragulus* (Asian and chevrotain or mousedeer) and *Giraffa* (African giraffe). The genera include both Recent and fossil species.

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Opinion 1765. *Fusus* Helbling, 1779 (Mollusca, Gastropoda): suppressed, and *Fusinus* Rafinesque, 1815 and *Colubraria* Schumacher, 1817: conserved.

Opinion 1766. *Tortaxis* Pilsbry, 1906 and *Allopeas* Baker, 1935 (Mollusca, Gastropoda): conserved by the designation of a neotype for *Achatina erecta* Benson, 1842.

Opinion 1767. *Pleurobranchus forskalii* Ruppell & Leuckart [1828] and *P. testudinarius* Cantraine, 1835 (Mollusca, Gastropoda): specific names conserved.

Opinion 1768. *Taninia danae* Joubin, 1931 (Mollusca, Cephalopoda): given precedence over *Octopodoteuthis persica* Naef, 1923.

Opinion 1769. *Styloptocuma* Bacescu & Muradian, 1974 (Crustacea, Cumacea): conserved with *S. antipai* Bacescu & Muradian, 1974 designated as the type species.

Opinion 1770. *Pachyrhynchus* Germar, 1824, *Somatodes* Schonherr, 1840 and the specific name of *Pachyrhynchus moniliferus* Germar, 1824 (Insecta, Coleoptera): conserved.

Opinion 1771. *Cryptophagus advena* Waltl, 1834 (currently *Ahasverus advena*; Insecta, Coleoptera): specific name conserved.

Opinion 1772. METOPIINI Raffray, 1904 (Insecta, Coleoptera): spelling emended to METOPIASINI, and METOPIINI Townsend, 1908 (Insecta, Diptera): spelling emended to METOPIAINI, so removing the homonymy with METOPIINAE Foerster, [1869] (Insecta, Hymenoptera).

Opinion 1773. *Nacaduba* Moore, [1881] (Insecta, Lepidoptera): given precedence over *Pepliphorus* Hubner, [1819].

Opinion 1774. *Catocala connubialis* Guenée, 1852 (Insecta, Lepidoptera): specific name conserved.

Opinion 1775. *Banksinella luteolateralis* var. *albothorax* Theobald, 1907 (currently *Aedes (Neomelaniconion) albothorax*), *B. luteolateralis* var. *circumluteola* Theobald, 1908 (currently *A. (N.) circumluteolus*) and *A. (N.) albothorax*; neotype designated.

Opinion 1776. *Rana megapoda* Taylor, 1942 (Amphibia, Anura): specific name conserved.

Opinion 1777. *Anisolepis grilli* Boulenger, 1891 (Reptilia, Squamata): specific name conserved.

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Case 2904. *Nesopupa* Pilsbry, 1900 (Mollusca, Gastropoda): proposed conservation (R. H. Cowie, C. C. Christiansen & N. L. Evenhuis).

Abstract. - The purpose of this application is the conservation of the name *Nesopupa* Pilsbry, 1900 for a genus of land snails by the suppression of *Ptychochilus* Boettger, 1881, an unused senior synonym.

Case 2902. *Acanthoteuthis* Wagner in Münster, 1839 and *Kelaeno* Münster, 1842 (Mollusca, Cephalopoda): proposed conservation of usage (D. T. Donovan).

Abstract. - The purpose of this application is to conserve the current usage of the names *Acanthoteuthis* Wagner in Münster, 1839 and *Kelaeno* Münster, 1842 for two genera of Jurassic teuthoid coleoids. In 1839 Münster had mentioned the name *Kelaebus* as synonymous with *Acanthoteuthis* but had not made it available. In 1841 d'Orbigny used the name *Kelaeno* in Münster's (1839) sense, but in 1842 Münster used the name for a different taxon which conforms with current usage. Suppression of *Kelaeno* d'Orbigny, 1841 is proposed.

Case 2915. *Lironeca* Leach, 1818 (Crustacea, Isopoda): proposed conservation of original spelling (E. H. Williams, Jr. & T. E. Bowman).

Abstract. - The purpose of this application is to conserve *Lironeca* Leach, 1818 as the correct original spelling of a genus of isopods which are parasites in the gill chambers of New World fishes. The name originally appeared as *Livoneca* due to a printer's error. Both *Lironeca* and *Livoneca* have been in use over the years but *Lironeca* has been more common in recent times.

Case 2844. *Oniscus asellus* Linnaeus, 1758 (Crustacea, Isopoda): proposed designation of a neotype (D. T. Bilton).

Abstract. - The purpose of this application is to confirm as neotype of the nominal species *Oniscus asellus* Linnaeus, 1758 a specimen from Uppsala, Sweden proposed by Bilton (1994). A specimen labelled 'asellus' in Linnaeus's handwriting belongs to the taxon always called *Porcellio scaber* Latreille, 1904. *O. asellus* and *P. scaber* are amongst the commonest woodlice of Europe and are the type species of their genera. Acceptance of the Linnaean specimen as the name-bearing type of *O. asellus* would transfer this name to *P. scaber* as always understood, and would confuse isopod names at the ranks of family, genus and species.

Case 2638. *Apis terrestris* Linnaeus, 1758, *A. muscorum* Linnaeus, 1758 and *A. lucorum* Linnaeus, 1761 (currently *Bombus terrestris*, *B. muscorum* and *B. lucorum*) and *Bombus humilis* Illiger, 1806 (Insecta, Hymenoptera): proposed conservation of usage of the specific names (A. Loken, A. Pekkarinen & P. Rasmont).

Abstract. - The purpose of this application is the conservation of the established usage of the specific names of four common species of European bumble bees, all now placed in the genus *Bombus* Latreile, 1802. This usage is in agreement with the original descriptions of the species, but lectotype designations for *B. terrestris* (the type species of *Bombus*) and *B. muscorum* have been made which, if followed, would have the following consequences: *B. terrestris* would be called *B. audax*, *B. lucorum* would become *B. terrestris*, *B. muscorum* would be called *B. laevis*, and *B. humilis* would become *B. muscorum*. These changes, especially the name transfers, would be very confusing and it is proposed that they be avoided by the designation of neotypes for *B. terrestris* and *B. muscorum*.

Case 2866. MEGALODONTIDAE Morris & Lycett, 1853 (Mollusca, Bivalvia) and MEGALODONTIDAE Know, 1897 (Insecta, Hymenoptera): proposed removal of homonymy (N. D. Springate).

Abstract. - The purpose of this application is to remove the homonymy between the two family names of Hymenoptera and fossil Bivalvia. It is proposed that the complete name of the sawfly genus *Megalodontes* Latreille, 1802 be adopted as the stem of the corresponding family-group names, giving MEGALONTESIDAE Konow, 1897. The mollusc name MEGALODONTIDAE Morris & Lycett, 1853 would remain unchanged.

Case 2936. CAECILIIDAE Rafinesque-Schmaltz, 1814 (Amphibia, Gymnophiona) and CAECILIIDAE Kolbe, 1880 (Insecta, Pscoptera): proposed removal of the homonymy by the revocation of Opinion 1462 and the adoption of the spelling CAECILIUSIDAE for the psocopteran family name (M. H. Wake, A. Dubois, D. R. Frost, T. E. Morre & R. A. Nussbaum).

Abstract. - The purpose of this application is the conservation of the very well known family name CAECILIIDAE Rafinesque-Schmaltz, 1814 for caecilian amphibians. This name is a senior homonym of the insect name CAECILIIDAE Kolbe, 1880. Because it had been suggested that the emendation CAECILIUSIDAE of the latter would be non-euphonious, the amphibian name was emended to CAECILIAIDAE in Opinion 1462 (December 1987). The reversal of this ruling is sought in pursuit of both stable usage and adherence to priority; furthermore CAECILIAIDAE is both non-euphonious and cumbersome.

Case 2362. PHRYNOBATRACHINAE Laurent, 1941 (Amphibia, Anura): proposed conservation (A. Dubois).

Abstract. - The purpose of this application is to conserve the name PHRYNOBATRACHINAE Laurent, 1941 for a subfamily of frogs (family RANIDAE) found throughout sub-Saharan Africa. The name is threatened by three earlier potential synonyms, HEMIMANTIDAE Hoffman, 1878, PETROPEDETINAE Noble, 1931 and CACOSTERNINAE Noble, 1931.

Case 2895. *Plesiosaurus rugosus* Owen, 1840 (currently *Eretmosaurus rugosus*; Reptilia, Plesiosauria): proposed designation of a neotype (D. S. Brown & N. Bardet).

Abstract. - The purpose of this application is to conserve the specific name of *Plesiosaurus rugosus* Owen, 1840 in accordance with its accustomed understanding and usage by the designation of a neotype. The specimen proposed (no. BMNH 14435 in the Natural History Museum, London) was described and figured by Owen in 1865. *P. rugosus* Owen, 1840 is the type species of *Eretmosaurus* Seeley, 1874.

Case 2875. *Coluber poecilorynus* Wied-Neuweld, [1824] (currently *Liophis poecilorynus* (Reptilia, Serpentes); proposed conservation of the specific name (H. M. Smith, J. R. Dixon & Van Wallach).

Abstract. - The purpose of this application is the conservation of the widely used specific name of a South American snake, *Liophis poecilorynus* (Wied-Neuweld, [1824]), by the suppression of the unused senior synonyms *Coluber m-nigrum* Raddi, 1820, *Coluber alternans* Lichtenstein, 1823 and *Natrix forsteri* Wagler in Spix, 1824.

Case 2856. *Psittacus banksii* Latham, 1790 and *P. lathami* Temminck, 1807 (currently *Calyptorhynchus banksii* and *C. lathami*; Aves, Psittaciformes): proposed conservation of the specific names (R. Schodde & W. J. Bock).

Abstract. - The purpose of this application is the conservation of the specific names of both the Australian Glossy Black Cockatoo, which has the universally accepted name *Calyptorhynchus lathami* (Temminck, 1807), and the Australian Red-tailed Black Cockatoo *Calyptorhynchus banksii* (Latham, 1790). In recent years *C. banksii* has commonly been called *C. magnificus* (Shaw in Shaw & Nodder, 1790). Shaw's name actually applies to the Glossy Black Cockatoo, *C. latahmi* (Temminck, 1807). *C. lathami* is threatened not only by *Psittacus magnificus* Shaw in Shaw & Nodder, 1790 but also by *P. banksi flavicollo* Kerr, 1792, an unused senior synonym. It is proposed that confusion will be avoided by the suppression of the specific names *magnificus* and *flavicollo*, so that the Red-tailed and Glossy Black Cockatoos are validly named *C. banksii* and *C. lathami* respectively.

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Opinion 1778. *Acineta* Ehrenberg, [1834] and *Tokophrya* Bütschli, 1889 (Ciliophora, Suctoria): conserved, and *Acineta tuberosa* Ehrenberg, [1834] and *Podophrya quadripartita* Claparède & Lachmann, 1859 (currently *Tokophrya quadripartita*): specific names conserved.

Opinion 1779. *Potamolithus* Pilsbry & Rush, 1896 (Mollusca, Gastropoda): placed on the Official List with *Paludina lapidum* d'Orbigny, 1835 as the type species.

Opinion 1780. *Turbo politus* Linnaeus (currently *Melanella polita*; Mollusca, Gastropoda): usage of specific name conserved, so conserving the specific name *Buccinum acicula* Müller, 1774 (currently *Cecilioides acicula*).

Opinion 1781. *Termes lacteus* Foggatt, 1898 (currently *Coptotermes lacteus*; Insecta, Isoptera): specific name conserved.

Opinion 1782. *Corisa nigrolineata* Fieber, 1848 (currently *Sigara (Pseudovermicorixa) nigrolineata*; Insecta, Heteroptera): specific name conserved.

Opinion 1783. *Aradus caucasicus* Kolenati, 1857 (Insecta, Heteroptera): syntype replaced by a neotype, so conserving the usage of the specific name and that of *A. hieroglyphicus* Sahlberg, 1878.

Opinion 1784. *Buprestis* Linnaeus, 1758 and *Chrysobothris* Eschscholtz, 1829 (Insecta, Coleoptera): conserved by the designation of *Buprestis octoguttata* Linnaeus, 1758 as the type species of *Buprestis*, and *Chrysobothris* and *Dicerca* Eschscholtz, 1829: conserved as the correct original spellings.

Opinion 1785. *Dytiscus biguttatus* Olivier, 1795 (currently *Agabus biguttatus*; Insecta, Coleoptera): specific name conserved.

Opinion 1786. *Ascopora* Trautschold, 1876 (Bryozoa, Cryptostomata): *Ceriopora nodosa* Fischer von Waldheim, 1837 designated as the type species.

Opinion 1787. *Mugil curema* and *M. liza* Valenciennes in Cuvier & Valenciennes, 1836 (Osteichthyes, Perciformes): specific name conserved.

Opinion 1788. *Scelidosaurus harrisonii* Owen, 1861 (Reptilia, Ornithischia): lectotype replaced.

Opinion 1789. *Pseudoxyrhopus* Günther, 1881 (Reptilia, Serpentes): conserved.

Opinion 1790. *Lagomeryx* Roger, 1904 (Mammalia, Artiodactyla): *Lagomeryx ruetimeyeri* Thenius, 1948 designated as the type species.

Opinion 1791. *Procervulus* Gaudry, 1877 (Mammalia, Artiodactyla): *Antilope dicotoma* Gervais, 1849 designated as the type species.