

APPLICATIONS AND OPINIONS PUBLISHED IN THE BULLETIN OF ZOOLOGICAL NOMENCLATURE

The following Applications were published on 18 December 1997 in Vol. 54, Part 4 of the *Bulletin of Zoological Nomenclature*. Comment or advice on any of 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. (e-mail: iczn@nhm.ac.uk).

APPLICATIONS: BZN 54(4), 18 December 1997

Case 3035. *Trachelocerca* Ehrenberg (Ciliophora): proposed conservation of authorship as Ehrenberg (1840), with fixation of *Vibrio sagitta* Müller, 1786 as the type species (by John O. Corliss and Wilhelm Foissner).

Abstract. The purpose of this application is the conservation of the generic name *Trachelocerca* Ehrenberg, 1840, in use for marine ciliates which have non-dividing macronuclei and belong to the group called Karyorelictea by Corliss (1994). *Trachelocerca* in this sense has *Vibrio sagitta* Müller, 1786 as the type species by monotypy. Recent workers have overlooked that six years earlier Ehrenberg [1834] had used the name *Trachelocerca* in a sense which would make it a junior synonym of *Lacrymaria* Bory de St. Vincent, [1824], a name in use for freshwater ciliates belonging to a different group. It is proposed that the earlier [1834] usage of *Trachelocerca* should be suppressed.

Keywords. Nomenclature; taxonomy; Protozoa; Ciliophora; Karyorelictea; *Trachelocerca*; *Trachelocerca sagitta*; *Lacrymaria*; marine ciliates.

Case 2948. *Turrilites gravesianus* d'Orbigny, 1842 (currently *Hypoturrilites gravesianus*; Mollusca, Ammonoidea): proposed conservation of the specific name and designation of a replacement lectotype; *Turrilites tuberculatus* Bosc, 1801 (currently *Hypoturrilites tuberculatus*): proposed designation of a neotype. (by W. J. Kennedy and C. W. Wright).

Abstract. The purpose of this application is to stabilise the current usage of the specific name of the widespread Upper Cretaceous ammonite species *Hypoturrilites gravesianus* (d'Orbigny, 1842). The lectotype designated by Kennedy (1971) is a composite specimen and a new lectotype is proposed. The holotype of the unused nominal species *Turrilites giganteus* de Haan, 1825 is conspecific with *H. gravesianus* and suppression of the name *T. giganteus* is proposed. Since Mantell (1822) the name *Turrilites* (now *Hypoturrilites*) *tuberculatus* Bosc, 1801 has been used for a species closely related to *H. gravesianus*, but the lost holotype of *T. tuberculatus* apparently belonged to another genus. A neotype which accords with the established usage of the name *Hypoturrilites tuberculatus* is designated.

Keywords. Nomenclature; taxonomy; Cephalopoda; Ammonoidea; Upper Cretaceous; ammonites; *Hypoturrilites*; *Hypoturrilites gravesianus*; *Hypoturrilites tuberculatus*.

Case 3009. *Polyrhachis* Smith, 1857 (Insecta, Hymenoptera): proposed precedence over *Myrma* Billberg, 1820 (by Wolfgang H.O. Dorow, Rudolf J. Kohout and Robert W. Taylor).

Abstract. The purpose of this application is to conserve the generic name *Polyrhachis* Smith, 1857 for a prominent Old World and Australasian ant genus (family Formicidae) by giving it precedence over the senior subjective synonym *Myrma* Billberg, 1820, which has been sometimes used for a subgenus of *Polyrhachis*. The genus *Polyrhachis* includes about 500 species and subspecies, found mostly in the tropics and sub-tropics but a few species extend the range northwards into Japan, Korea, central China and the Middle East.

Keywords. Nomenclature; taxonomy; Hymenoptera; Formicidae; ants; *Polyrhachis*; *Myrma*.

Case 2924. Meloidae Gyllenhal, 1810 and Nemognathinae Castelnau, 1840 (Insecta, Coleoptera): proposed precedence over Horiidae Latreille, 1802 (by M.A. Bologna and J.D. Pinto).

Abstract. The purpose of this application is to conserve the blister beetle names Meloidae Gyllenhal, 1810 (type genus *Meloe* Linnaeus, 1758) and Nemognathinae Castelnau, 1840 (type genus *Nemognatha* Illiger, 1807) by giving them precedence over Horiidae Latreille, 1802 (type genus *Horia* Fabricius, 1787). The family-group name Zonitinae Mulsant, 1857 (type genus *Zonitis* Fabricius, 1775) is corrected to Zonitidinae.

Keywords. Nomenclature; taxonomy; Coleoptera; blister beetles; Meloidae; Nemognathinae; Horiidae; Zonitidinae.

Case 3046. *Papilio sylvanus* Esper, [1779] (currently known as *Ochlodes venata* or *Augiades sylvanus*; Insecta, Lepidoptera): proposed conservation of the specific name (by A.L. Devyatkin).

Abstract. The purpose of this application is to conserve the specific name of *Papilio sylvanus* Esper, [1779] (currently known as *Ochlodes venata* or *Augiades sylvanus*) for the Large Skipper (family Hesperiiidae), one of the commonest butterflies in Europe and widely distributed throughout the Palaearctic. The species was known exclusively as *sylvanus* for more than 150 years, mostly in the combination *Augiades sylvanus*. The name is formally a junior primary homonym of *Papilio sylvanus* Drury, 1773, in use for the past 150 years as *Anthene sylvanus* for a West African hairtail butterfly (family Lycaenidae). The two species have not been considered congeneric since *Papilio* was used for all butterflies in the 18th century. The name *Ochlodes venata* (Bremer & Grey, 1853) has been used for *P. sylvanus* Esper in recent decades but this relates to a separate species from China.

Keywords. Nomenclature; taxonomy; Lepidoptera; butterflies; Hesperiiidae; Lycaenidae; skippers; hairtails; *Augiades sylvanus*; *Ochlodes sylvanus*; *Ochlodes venata*; *Anthene sylvanus*.

Case 3034. *Waagenoconcha* Chao, 1927 and *Gruntoconcha* Angiolini, 1995 (Brachiopoda): proposed conservation (by C.H.C. Brunton).

Abstract. The purpose of this application is to conserve the names of the Permian productide brachiopod genus *Waagenoconcha* Chao, 1927 and of its subgenus *Gruntoconcha* Angiolini, 1995. These nominal taxa are considered to include *Productus abichi* Waagen, 1884; the original designation of this as the type species of *Septoproductus* Frech, 1911 formally causes *Septoproductus* to be a senior synonym of *Waagenoconcha* and *Gruntoconcha*. However, the description of *Septoproductus* (based on Chinese material) as having the unusual feature of a strong ventral median septum would exclude *P. abichi* (from Pakistan) and indicates that this unused name is a junior synonym of *Tschernyschewia*

Stoyanov, 1910. The suppression of *Septoproductus* is proposed.

Keywords. Nomenclature; taxonomy, Brachiopoda; *Gruntoconcha*; *Septoproductus*; *Tschernyschewia*; *Waagenoconcha*; Premian.

The following Applications and Opinions were published on 31 March 1998 in Vol. 55, Part 1 of the *Bulletin of Zoological Nomenclature*. Comment or advice on any of 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. (e-mail: iczn@nhm.ac.uk).

APPLICATIONS: BZN 55(1), 31 March 1998

Case 3011. *Stombidium gyrans* Stokes, 1887 (currently *Strobilidium gyrans*) and *Strobilidium caudatum* Kahl, 1932 (Ciliophora, Oligotrichida): proposed conservation of the specific names (by Charles W. Heckman).

Abstract. The purpose of this application is to conserve the specific name of one fresh water ciliate (*Strombidium gyrans* Stokes, 1887) that has frequently been used as an indicator for the ecological monitoring of water quality and of another (*Strobilidium caudatum* Kahl, 1932) that was given to a rare but characteristic brackish water species. Both names are threatened by *Strombidion caudatum* Fromentel, 1876, which is probably a senior synonym of the first and is a senior secondary homonym of the second. *Strombidion caudatum* Fromentel had not been used for almost a century until its reintroduction by Foissner (1987); its suppression is proposed.

Keywords. Nomenclature; taxonomy; Protozoa; Ciliophora; Oligotrichida; *Strobilidium gyrans*; *Strobilidium caudatum*; fresh water and brackish water ciliates.

Case 3055. *Osilinus* Philippi, 1847 and *Austrocochlea* Fischer, 1885 (Mollusca, Gastropoda): proposed conservation by the designation of *Trochus turbinatus* Born, 1778 as the type species of *Osilinus* (by Serge Gofas and David G. Herbert).

Abstract. The purpose of this application is to conserve the accustomed understanding and usage of the name *Osilinus* Philippi, 1847 by the designation of *Trochus turbinatus* Born, 1778 as the type species, thereby conserving also the name *Austrocochlea* Fischer, 1885 (family Trochidae). At present *Monodonta constricta* Lamarck, 1822 is the valid type species of both *Osilinus* and *Austrocochlea*. The name *Osilinus* is used either at generic rank or for a subgenus of *Monodonta* Lamarck, 1799 and relates to an eastern Atlantic group of species which range from the south-western British Isles to Angola, the Canary Islands, Madeira and the Mediterranean. The name *Austrocochlea* is widely used for species known from Southern Australia, Tasmania, New Caledonia, and New Zealand if *Fractarmilla* Finlay, 1926 is accepted as a synonym. Both genera include species that are important components of the intertidal fauna of temperate rocky shores.

Keywords. Nomenclature; taxonomy; Gastropoda; Trochidae; molluscs; *Osilinus*; *Austrocochlea*; *Osilinus turbinatus*; *Austrocochlea constricta*.

Case 3026. *Androctonus caucasicus* Nordmann, 1840 (currently *Mesobuthus caucasicus*; Arachnida, Scorpiones): proposed conservation of the specific name (by Victor Fet).

Abstract. The purpose of this application is to conserve the specific name of *Mesobuthus caucasicus* (Nordmann, 1840) for a scorpion (family Buthidae) with a wide range in the Middle East, Afghanistan, China and central Asia. The name is threatened by the senior synonym *Scorpio caucasicus* Fischer von Waldheim, 1813 which has not been used for over 80 years.

Keywords. Nomenclature; taxonomy; Arachnida; Scorpiones; Buthidae; *Mesobuthus caucasicus*.

Case 3031. *Paruroctonus* Werner, 1934 (Arachnida, Scorpiones): proposed conservation (by W. David Sissom, Victor Fet and Matt E. Braunwalder).

Abstract. The purpose of this application is to conserve the name *Paruroctonus* Werner, 1934 for a genus of some 30 species of scorpions (family Vaejovidae) from the western side of North America, from southern Canada to Aguascalientes, Mexico. The name was proposed as a replacement for *Uroctonoides* Hoffmann, 1931 (a junior homonym of *Uroctonoides* Chamberlin, 1920) and has been in use since its original publication. It is threatened by the unused synonym *Hoffmanniellius* Mello-Leitão, 1934 (June), also a replacement for *Uroctonoides* Hoffmann, which under the Code is the senior synonym.

Keywords. Nomenclature; taxonomy; Arachnida; Scorpiones; Vaejovidae; *Paruroctonus*; North America.

Case 2958. *Corisa propinqua* Fieber, 1860 (currently *Glaenocorisa propinqua*; Insecta, Heteroptera): proposed conservation of the specific name (by A. Jansson).

Abstract. The purpose of this application is to conserve the specific name of the water-boatman *Glaenocorisa propinqua* (Fieber, 1860). Fieber (1848) established the name *Corisa dohrnii* for what was probably (at least in part) the same taxon, but this name has been treated as a synonym of various names and has not been used as valid for more than 50 years; its suppression is proposed.

Keywords. Nomenclature; taxonomy; Heteroptera; Corixidae; water-boatmen; *Corisa dohrnii*; *Glaenocorisa propinqua*.

Case 2957. *Phytobius* Dejean, 1835 (Insecta, Coleoptera): proposed conservation (by H. Silfverberg).

Abstract. The purpose of this application is to conserve the weevil generic name *Phytobius* Dejean, 1835, in its current usage as placed on Official List of Generic Names in Opinion 1529 (1989). It is threatened by the homonym *Phytobius* Schönherr, 1833 which was established with a different type species.

Keywords. Nomenclature; taxonomy; Coleoptera; Curculionidae; weevils; *Phytobius*; *Phytobius quadrituberculatus*.

Case 3023. Dasypodidae Börner, 1919 (Insecta, Hymenoptera): proposed emendation of spelling to Dasypodaidae, so removing the homonymy with Dasypodidae Gray, 1821 (Mammalia, Xenarthra) (by The late Byron A. Alexander, Charles D. Michener and Alfred L. Gardner).

Abstract. The family-group name Dasypodidae Börner, 1919 (Insecta, Hymenoptera) is a junior homonym of Dasypodidae Gray, 1821 (Mammalia, Xenarthra). It is proposed that the homonymy between the two names, which relate to short-tongued bees and armadillos respectively, should be removed by emending the stem of the generic name *Dasypoda* Latreille, 1802, on which the insect family-group name is based, to give Dasypodaidae, while leaving the mammalian name (based on *Dasypus* Linnaeus, 1758) unchanged. *Dasypus novemcinctus* Linnaeus, 1758, the type species of *Dasypus*, has a wide distribution in the southern United States, Central and South America. The genus *Dasypoda* ranges throughout most of the Palearctic region.

Keywords. Nomenclature; taxonomy; Hymenoptera; Mammalia; Xenarthra; bees; armadillos; Dasypodaidae; Dasypodidae; *Dasypoda*; *Dasypus*.

OPINIONS: BZN 55(1), 31 March 1998

Opinion 1886. *Plumularia* Lamarck, 1816 (Cnidaria, Hydrozoa): conserved by the designation of *Sertularia setacea* Linnaeus, 1758 as the type species.

Opinion 1887. *Arca pectunculoides* Scacchi, 1834 and *A. philippiana* Nyst, 1848 (currently *Bathyarca pectunculoides* and *B. philippiana*; Mollusca, Bivalvia): specific names conserved.

Opinion 1888. *Lirobarleeia* Ponder, 1983 (Mollusca, Gastropoda): *Alvania nigrescens* Bartsch & Rehder, 1939 designated as the type species.

Opinion 1889. *Parapronoe crustulum* Claus, 1879 (Crustacea, Amphipoda): specific name conserved.

Opinion 1890. *Scarabaeus rufus* Moll, 1782 (currently *Aphodius rufus*), *Scarabaeus rufus* Fabricius, 1792 (currently *Aegialia rufa*) and *Scarabaeus foetidus* Herbst, 1783 (currently *Aphodius foetidus*) (Insecta, Coleoptera): specific names conserved.

Opinion 1891. *Crenitis* Bedel, 1881, *Georissus* Latreille, 1809 and *Oosternum* Sharp, 1882 (Insecta, Coleoptera): conserved.

Opinion 1892. *Alcyonidium mytili* Dalyell, 1848 (Bryozoa): neotype replaced.

Opinion 1893. *Bombycilla cedrorum* Vieillot, [1808] and *Troglodytes aedon* Vieillot, [1809] (Aves, Passeriformes): specific names conserved.

Opinion 1894. *Regnum Animale* ..., Ed. 2 (M.J. Brisson, 1762): rejected for *Philander* (Marsupialia), *Pteropus* (Chiroptera), *Glis*, *Cuniculus* and *Hydrochoerus* (Rodentia), *Meles*, *Lutra* and *Hyaena* (Carnivora), *Tapirus* (Perissodactyla), *Tragulus* and *Giraffa* (Artiodactyla).