

APPLICATIONS PUBLISHED IN THE BULLETIN OF ZOOLOGICAL NOMENCLATURE

The following Applications were published on 30 September 1999 in Vol. 56, Part 3 of the *Bulletin 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 56(3), 30 September 1999

Case 3116. *Gnomulus* Thorell, 1890 (Arachnida, Opiliones): proposed designation of *G. sumatranus* Thorell, 1891 as the type species. (by Peter J. Schwendinger and Jochen Martens)

Abstract. The purpose of this application is to conserve the usage of the generic name *Gnomulus* Thorell, 1890 for an opilionid (family Oncopodidae) by the designation of *G. sumatranus* Thorell, 1891 as the type species. The designation was the author's clear intention and is in accord with the subsequent understanding and usage of the genus. However, *Gnomulus* was described with *G. rostratus* Thorell, 1890 as the type species by monotypy. *Gnomulus sumatranus* and *G. rostratus* are morphologically distinct and it is possible that they will require generic separation in the future. Members of the genus *Gnomulus* are known from the Himalayan Region and from southeast Asia.

Keywords. Nomenclature; taxonomy; Arachnida; Opiliones; Oncopodidae; *Gnomulus*, *Gnomulus sumatranus*, *Gnomulus rostratus*.

Case 3089. *Leucocytozoon* (Protista, Haemosporida): proposed adoption of Berestneff, 1904 as the author and of *Leukocytozoen danilewskyi* Ziemann, 1898 as the type species. (by Gediminas Valkiūnas)

Abstract. The purpose of this application is to resolve the uncertainty on the authorship of the haemosporidian parasite genus *Leucocytozoon* and the name of its type species. Many species of *Leucocytozoon* cause diseases in wild and domestic birds including hens, ducks, geese, turkeys and domesticated ostriches. Infection of birds with *Leucocytozoon* provides some of the best databases used by ecologists and evolutionary biologists. However, confusion arises from disagreement on the authorship of the nominal genus *Leucocytozoon* and on the name of its type species. To resolve this, it is proposed that the author of *Leucocytozoon* be confirmed as Berestneff (1904), with type species by monotypy *Leukocytozoen danilewskyi* Ziemann, 1898.

Keywords. Nomenclature; taxonomy; Protista; Haemosporida; blood parasites; *Leucocytozoon*, *Leukocytozoen danilewskyi*.

Case 3128. *Drosophila rufifrons* Loew, 1873 and *D. lebanonensis* Wheeler, 1949 (currently *Scaptodrosophila rufifrons* and *S. lebanonensis*; Insecta, Diptera): proposed conservation of the specific names by the designation of a neotype for *D. rufifrons*. (by Gerhard Bächli)

Abstract. The purpose of this application is to conserve the specific names of *Scaptodrosophila rufifrons* (Loew, 1873) and *S. lebanonensis* (Wheeler, 1949) for two European species of lesser fruit fly in the *S. rufifrons* species group (family Drosophilidae). The lectotype of *S. rufifrons* is now known to be a specimen of *S. lebanonensis*, rendering the name *rufifrons* a senior synonym of *lebanonensis*. It is proposed that the lectotype of *rufifrons* be set aside and a neotype designated in accord with accustomed usage.

Keywords. Nomenclature; taxonomy; Diptera; Drosophilidae; lesser fruit flies; *Scaptodrosophila rufifrons*; *Scaptodrosophila lebanonensis*; Europe.

Case 3073. *Vespertilio pipistrellus* Schreber, 1774 and *V. pygmaeus* Leach, 1825 (currently *Pipistrellus pipistrellus* and *P. pygmaeus*; Mammalia, Chiroptera): proposed designation of neotypes. (by Gareth Jones and Elizabeth M. Barratt)

Abstract. The purpose of this application is to provide neotypes for two broadly sympatric cryptic species of pipistrelle bats; until recently only a single taxon was recognised and known as *Pipistrellus pipistrellus* (Schreber, 1774). The species were first distinguished by their ultrasonic echolocation calls but also differ in other ways. It is proposed that the species with the lower-pitched call should be denoted by the name *P. pipistrellus*, and that the name *P. pygmaeus* (Leach, 1825), which has been regarded as a synonym of *P. pipistrellus*, should be used for the smaller species which calls at a higher frequency.

Keywords. Nomenclature; taxonomy; Mammalia; Chiroptera; bats; Vespertilionidae; *Pipistrellus*; *Pipistrellus pipistrellus*; *Pipistrellus pygmaeus*.

Case 3076. *Tanaecia coelebs* Corbet, 1941 (Insecta, Lepidoptera): proposed conservation of the specific name. (by Takashi Yokochi)

Abstract. The purpose of this application is to conserve the specific name of *Tanaecia coelebs* Corbet, 1941 for a butterfly from southeast Asia (family Nymphalidae). This name has been consistently used for the species but it is now known that *T. heringi* Niepelt, 1935 is a senior synonym. The latter name has remained unused since its publication.

Keywords. Nomenclature; taxonomy; Lepidoptera; Nymphalidae; southeast Asia; *Tanaecia coelebs*.

Case 3078. *Diastylis* Say, 1818 (Crustacea, Cumacea): proposed designation of *Cuma rathkii* Krøyer, 1841 as the type species. (by Sarah Gerken)

Abstract. The purpose of this application is to designate *Cuma rathkii* Krøyer, 1841 as the type species of the genus *Diastylis* Say, 1818. At present the nominal species *Diastylis arenarius* Say, 1818 is the type by monotypy but the original material of this species has been lost and it is not identifiable from its description. The name *Diastylis* is used for a large genus and is the basis of the family-group name Diastylidae Bate, 1856. Members of the family, which includes more than 200 species, are found world-wide in temperate latitudes and at all depths below the intertidal zone.

Keywords. Nomenclature; taxonomy; Crustacea; Cumacea; Diastylidae; *Diastylis*, *Diastylis rathkii*.

OPTIONS PUBLISHED IN THE BULLETIN OF ZOOLOGICAL NOMENCLATURE

The following Opinions were published on 30 September 1999 in Vol. 56, Part 3 of the *Bulletin of Zoological Nomenclature*. Copies of these Opinions can be obtained free of charge from 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)

Opinion 1930. *Osilinus* Philippi, 1847 and *Austrocochlea* Fischer, 1885 (Mollusca, Gastropoda): conserved by the designation of *Trochus turbinatus* Born, 1778 as the type species of *Osilinus*.

Opinion 1931. *Campeloma* Rafinesque, 1819 (Mollusca, Gastropoda): conserved.

Opinion 1932. *Holospira* Martens, 1860 (Mollusca, Gastropoda): *Cylindrella goldfussi* Menke, 1847 designated as the type species.

Opinion 1933. *Androctonus caucasicus* Nordmann, 1840 (currently *Mesobuthus caucasicus*; Arachnida, Scorpiones): specific name conserved.

Opinion 1934. *Paruroctonus* Werner, 1934 (Arachnida, Scorpiones): conserved.

Opinion 1935. *Cicada clavicornis* Fabricius, 1794 (currently *Asiraca clavicornis*; Insecta, Homoptera): specific name conserved.

Opinion 1936. *Thamnotettix nigropictus* Stål, 1870 (currently *Nephotettix nigropictus*; Insecta, Homoptera): specific name conserved.

Opinion 1937. *Corisa propinqua* Fieber, 1860 (currently *Glaenocorisa propinqua*; Insecta, Heteroptera): specific name conserved.

Opinion 1938. *Musca rosae* Fabricius, 1794 (currently *Psila* or *Chamaepsila rosae*; Insecta, Diptera): specific name conserved.

Opinion 1939. *Trionocephalus pulcher* Peters, 1862 (currently *Bothrops pulcher*, *Bothriechis pulcher* or *Bothriopsis pulchra*; Reptilia, Serpentes): defined by the holotype, and not a neotype; *Bothrops campbelli* Freire Lascano, 1991, specific name placed on the Official List.

Opinion 1940. *Hoplocephalus vestigiatus* De Vis, 1884 (Reptilia, Serpentes): specific name placed on the Official List.

Opinion 1941. *Australiopithecus afarensis* Johanson, 1978 (Mammalia, Primates): specific name conserved.