

APPLICATIONS PUBLISHED IN THE BULLETIN OF ZOOLOGICAL NOMENCLATURE

The following Applications were published on 30 March 2001 in Vol. 58, 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 58(1), 30 March 2001

Case 3149. Proposed conservation of 31 species-group names originally published as junior primary homonyms in *Buprestis* Linnaeus, 1758. (by C. L. Bellamy)

Abstract. The purpose of this application is the conservation of 31 specific names which have been in use for buprestid beetles for very many years but which, when originally published in combination with *Buprestis*, were junior primary homonyms. The species are now placed in many different genera. In none of these cases have the species denoted by the homonyms been considered congeneric since the 19th-century, if at all, and this case is submitted in accord with Article 23.9.5 of the *Code*.

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

Case 3158. *Helix lucorum* Linnaeus, 1758 and *Helix punctata* Müller, 1774 (currently *Otala punctata*; Mollusca, Gastropoda): proposed conservation of usage of the specific names by the replacement of the syntypes of *H. lucorum* with a neotype. (by Christian Van Osselaer, Frédéric Chérot, Bernard Tursch and Thierry Backeljau)

Abstract. The purpose of this application is to conserve the accustomed understanding and usage of the names for two European pulmonate gastropods, *Helix lucorum* Linnaeus, 1758 and *Otala punctata* (Müller, 1774) (family Helicidae). The two existing syntypes of *H. lucorum* are specimens of *O. punctata* and it is proposed that these be set aside and a neotype designated in accord with accepted usage. The species *Helix lucorum* as currently understood is found from Italy eastwards through to the former USSR and has been introduced in France; *O. punctata* is present in the south of France, Spain and the north of Morocco. Both the names *H. lucorum* and *O. punctata* refer to two of the most commercialised terrestrial snails of the food industry.

Keywords. Nomenclature; taxonomy; Gastropoda; Pulmonata; Helicidae; *Helix lucorum*; *Otala punctata*; edible snails.

Case 3175. *Ampullaria canaliculata* Lamarck, 1822 (currently *Pomacea canaliculata*; Mollusca, Gastropoda): proposed conservation of the specific name. (by Robert H. Cowie, Alan R. Kabat and Neal L. Evenhuis)

Abstract. The purpose of this application is to conserve the well known and used specific name of *Ampullaria canaliculata* Lamarck, 1822 (currently known as *Pomacea canaliculata*, family Ampullariidae) for a species of freshwater gastropod. The name has been used for the taxon for nearly 180 years but is a junior primary homonym of *Ampullaria canaliculata* Lamarck, 1804 (currently known as *Natica* or *Amauropsina canaliculata*, family Naticidae or Ampullospiridae), the name for an Eocene marine

species from Europe. The species have not been considered congeneric since 1832. *Pomacea canaliculata* (Lamarck, 1822) is a major pest species of rice and taro, originally from South America but spreading in North America and introduced in south-east Asia and islands in the Pacific.

Keywords. Nomenclature; taxonomy; *Natica canaliculata*; *Amauropsina canaliculata*; *Pomacea canaliculata*; Gastropoda; Naticidae; Ampullospiridae; Ampullariidae; Eocene; Recent; apple snails; pest species.

Case 3132. *Eudorylas* Aczél, 1940 (Insecta, Diptera): proposed conservation of usage by the designation of *Pipunculus fuscipes* Zetterstedt, 1844 as the type species. (by Marc De Meyer and Jeff Skevington)

Abstract. The purpose of this application is to conserve the use of the name *Eudorylas* Aczél, 1940 for a large and cosmopolitan genus of pipunculid flies, parasites of Homoptera, by designating *Pipunculus fuscipes* Zetterstedt, 1844 as the type species. The originally designated type species is *Cephalops opacus* Fallén, 1816, but this was based on an error. *C. opacus* does not correspond to the original and subsequent usage of *Eudorylas* but is included in *Microcephalops* De Meyer, 1989. *Neodorylas* Kuznetsov, 1995 was proposed as a substitute name for *Eudorylas* auct., but it has not been adopted and if it were there would be considerable confusion, since the name *Eudorylas* would be transferred to the species placed in *Microcephalops*. The present proposals conserve the usage of both *Eudorylas* and *Microcephalops*; *Neodorylas* will become a junior objective synonym of *Eudorylas*.

Keywords. Nomenclature; taxonomy; Diptera; Pipunculidae; *Eudorylas*; *Eudorylas fuscipes*; *Microcephalops*; *Microcephalops opacus*; *Neodorylas*.

Case 3157. *Halictoides dentiventris* Nylander, 1848 (currently *Dufourea dentiventris*; Insecta, Hymenoptera): proposed conservation of the specific name. (by P.A.W. Ebmer)

Abstract. The purpose of this application is to conserve the usage of the specific name of *Dufourea dentiventris* (Nylander, 1848), the type species of *Halictoides* Nylander, 1848 (family Halictidae), a well known widespread Palearctic bee genus. The name is a junior synonym of *Dufourea dejeanii* Lepelletier, 1841 which prior to the recent discovery of its holotype was considered an unidentifiable name. It is proposed that the specific name of *D. dejeanii* Lepelletier, 1841 be suppressed.

Keywords. Nomenclature; taxonomy; Hymenoptera; Apoidea; Halictidae; *Dufourea*; *Halictoides*; *Dufourea dejeanii*; *Dufourea dentiventris*; Palearctic.

Case 3165. *Parasuchus hislopi* Lydekker, 1885 (Reptilia, Archosauria): proposed replacement of the lectotype by a neotype. (by Sankar Chatterjee)

Abstract. The purpose of this application is to designate a neotype for *Parasuchus hislopi* Lydekker, 1885, a well-known crocodile-like archosaurian reptile (phytosaur or parasuchid) from the Late Triassic Maleri Formation of India. The lectotype is fragmentary (a premaxillary rostrum), and because of this some authors have recently suggested that the name of the nominal genus *Parasuchus* Lydekker, 1885 (of which *P. hislopi* is the type species) should be replaced by *Paleorhinus* Williston, 1904. To maintain stability of usage and in accord with Article 75.5 of the Code it is proposed that the lectotype be set aside and a complete articulated skeleton be designated as the neotype.

Keywords. Nomenclature; taxonomy; Archosauria; Parasuchidae; Phytosauridae; *Parasuchus*; *parasuchus hislopi*; *Paleorhinus*; archosaurs; parasuchids; phytosaurs; Triassic.

Case 3143. *Euphryne obesus* Baird, 1858 (Reptilia, Squamata): proposed precedence of the specific name over that of *Sauromalus ater* Duméril, 1856. (by Richard R. Montanucci, Hobart M. Smith, Kraig Adler, David L. Auth, Ralph W. Axtell, Ted J. Case, David Chiszar, Joseph T. Collins, Roger Conant, Robert Murphy, Kenneth Petren and Robert C. Stebbins)

Abstract. The purpose of this application is to conserve the long used and well known specific name of *Sauromalus obesus* (Baird, 1858) for the chuckwalla (family Iguanidae) from the southwest of North America by giving it precedence over the little used name *S. ater* Duméril, 1856.

Keywords. Nomenclature; taxonomy; Reptilia; Squamata; Iguanidae; *Sauromalus ater*; *Sauromalus obesus*; chuckwalla; southwest North America.

Case 3022. *Catalogue des mammifères du Muséum National d'Histoire naturelle* by Étienne Geoffroy Saint-Hilaire (1803): proposed placement on the Official List of Works Approved as Available for Zoological Nomenclature. (by Peter Grubb)

Abstract. At least 24 generic and specific names for mammals established by Étienne Geoffroy Saint-Hilaire in his 1803 *Catalogue des mammifères du Muséum National d'Histoire Naturelle* (Paris) have been treated as available and valid and have been used, some very widely. Nevertheless, the status of the *Catalogue* as an available work has been challenged periodically between 1922 and 1993. Even though in 1963 the *Catalogue* had been shown to satisfy the criteria for publication, it was considered to be unavailable in *Mammal species of the world* edited by Wilson & Reeder (1993). The present application proposes that the nomenclatural instability be resolved by placing the work on the Official List of Works Approved as Available for Zoological Nomenclature. The generic name *Scalopus* and five specific names of Geoffroy (1803) would require individual conservation if the *Catalogue* were to be treated as unavailable. In March 1971 (Opinion 945) the specific name of *Sciurus* (currently *Xerus* or *Euxerus*) *erythropus* for the Sub-Saharan ground squirrel was placed on the Official List with authorship and date attributed to Geoffroy (1803).

Keywords. Nomenclature; taxonomy; Mammalia; Étienne Geoffroy Saint-Hilaire; *Catalogue des mammifères du Muséum National d'Histoire Naturelle* (1803); *Scalopus*; *Pteropus rufus*; *Saguinus niger*; *Canis niloticus*; *Proechimys guyannensis*; *Herpailurus yagouaroundi*; moles; grass rats; fruit bats; tamarin monkeys; red foxes; jaguarundis; spiny rats.

OPTIONS PUBLISHED IN THE BULLETIN OF ZOOLOGICAL NOMENCLATURE

The following Opinions were published on 30 March 2001 in Vol. 58, Part 1 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 1965. *Euchilus* Sandberger, 1870 and *Stalioa* Brusina, 1870 (Mollusca, Gastropoda): *Bithinia deschiensis* Deshayes, 1862 and *Paludina desmarestii* Prévost, 1821 designated as the respective type species, with the conservation of *Bania* Brusina, 1896.

Opinion 1966. *Gnomulus* Thorell, 1890 (Arachnida, Opiliones): *Gnomulus sumatranus* Thorell, 1891 designated as the type species.

Opinion 1967. *Disparalona* Fryer, 1968 (Crustacea, Branchiopoda): conserved.

Opinion 1968. *Phytobius* Schönherr, 1833 (Insecta, Coleoptera): placed on the Official List.

Opinion 1969. *Drosophila rufifrons* Loew, 1873 and *D. lebanonensis* Wheeler, 1949 (currently *Scaptodrosophila rufifrons* and *S. lebanonensis*; Insecta, Diptera): specific names conserved by the designation of a neotype for *D. rufifrons*.

Opinion 1970. *Odatria keithhornei* Wells & Wellington, 1985 (Reptilia, Squamata): specific name placed on the Official List.