

## APPLICATIONS AND OPINIONS PUBLISHED IN THE BULLETIN OF ZOOLOGICAL NOMENCLATURE

The following Applications were published on 30 September 1998 in Vol. 55, Part 3 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(3), 30 September 1998

**Case 3050.** *Pachylops* Fieber, 1858 (Insecta, Heteroptera): proposed designation of *Capsus chloropterus* Kirschbaum, 1856 (currently *Orthotylus virescens* (Douglas & Scott, 1865)) as the type species (by A. Carapezza and I.M. Kerzhner).

**Abstract.** The purpose of this application is to conserve the heteropteran subgeneric name *Pachylops* Fieber, 1858 (family MIRIDAE; genus *Orthotylus* Fieber, 1858) in its original concept with *Capsus chloropterus* Kirschbaum, 1856 (an invalid subjective synonym of *Orthotylus virescens* (Douglas & Scott, 1865)) as its type species. The Commission's designation (Opinion 253, 1954) of *Litosoma bicolor* Douglas & Scott, 1868 as the type was based on the wrong assumption that Fieber had misidentified the type species, and because it results in instability of the nomenclature of several genus-group taxa it is proposed that Opinion 253 be set aside.

**Keywords.** Nomenclature; taxonomy; Heteroptera; MIRIDAE; *Hypsitylus*; *Neopachylops*; *Orthotylus*; *Pachylops*; *Platycranus*; *Orthotylus virescens*.

**Case 3087.** *Hydrobia* Hartmann, 1821 and *Cyclostoma acutum* Draparnaud, 1805 (currently *Hydrobia acuta*; Mollusca, Gastropoda): proposed conservation by replacement of the lectotype of *H. acuta* with a neotype; *Ventrosia* Radoman, 1977: proposed designation of *Turbo ventrosus* Montagu, 1803 as the type species; and HYDROBIINA Mulsant, 1844 (Insecta, Coleoptera): proposed emendation of spelling to HYDROBIUSINA, so removing the homonymy with HYDROBIIDAE Troschel, 1857 (Mollusca). (by F. Giusti, G. Manganelli and M. Bodon).

**Abstract.** The purpose of this application is to stabilise the usage of the name *Hydrobia* Hartmann, 1821 for a genus of prosobranch brackish-water gastropods. At present the type species, *Cyclostoma acutum* Draparnaud, 1805, is typified by a lectotype which represents another species, *Turbo ventrosus* Montagu, 1803. It is proposed that the lectotype be replaced by a neotype which accords with the established understanding of *H. acuta*. *Ventrosia* Radoman, 1977 was based on *Helix stagnorum* Gmelin, 1791 but recognition of this nominal species as the type would render the generic name a junior subjective synonym. It is likely that Radoman misidentified Gmelin's taxon and it is proposed that *Turbo ventrosus* be designated the type species to maintain existing usage of *Ventrosia*. The family-group name HYDROBIIDAE Troschel, 1857 (Mollusca) is a junior homonym of HYDROBIINA Mulsant, 1844 (Insecta). The names related, respectively, to a gastropod family of some 100 genera and more than 1000. Recent species occurring almost world wide and to a subtribe of five

coleopteran genera (family HYDROPHILIDAE). It is proposed that the homonymy should be removed by emending the stem of the generic name *Hydrobius* Leach, 1815, on which the insect family-group name is based, to give HYDROBIUSINA, while leaving the mollusc name (based on *Hydrobia*) unchanged.

**Keywords.** Nomenclature; taxonomy; Gastropoda; Coleoptera; *Hydrobia*; *Hydrobius*; *Ventrosia*; *Hydrobia acuta*; *Hydrobia ventrosa*; *Ventrosia ventrosa*; HYDROBIIDAE; HYDROPHILIDAE; HYDROBIUSINA.

**Case 3051.** *Scarus chrysopterus* Bloch & Schneider, 1801 (currently *Sparisoma chrysopterus*; Osteichthyes, Perciformes): proposed conservation of the specific name and designation as the type species of *Sparisoma* Swainson, 1839. (by Rodrigo L. Moura and John E. Randall).

**Abstract.** The main purpose of this application is to conserve the specific name of *Sparisoma chrysopterus* (Bloch & Schneider, 1801) for the Redtail Parrotfish of the Caribbean and tropical Western Atlantic. An earlier specific name, that of *Sparus abildgaardi* Bloch, 1791, has been treated as a junior synonym of *Sparisoma viride* (Bonnaterre, 1788), the Stoplight Parrotfish, but it is now known to refer to the initial phase (male or female) of *S. chrysopterus*. It is also proposed that *S. chrysopterus* be designated as the type species of *Sparisoma* Swainson, 1839 in place of the nominal species *Sparus abildgaardi*.

**Keywords.** Nomenclature; taxonomy; Osteichthyes; Perciformes; SCARIDAE; parrotfishes; *Sparisoma*; *Sparisoma abildgaardi*; *Sparisoma chrysopterus*; *Sparisoma viride*; Caribbean; Western Atlantic.

**Case 3071.** *Osphronemus deissneri* Bleeker, 1859 (currently *Parosphromenus deissneri*; Osteichthyes, Perciformes): proposed replacement of holotype by a neotype. (by P.K.L. Ng and Maurice Kottelat).

**Abstract.** The purpose of this application is to clarify the identity of *Osphronemus deissneri* Bleeker, 1859, the type species of *Parosphromenus* Bleeker, 1877, a genus of licorice gouramies from the freshwater and peat swamps of Southeast Asia important both in the aquarium trade and as environmental bioindicators. The holotype of *O. deissneri* is badly damaged and lacks the characters necessary for identification. It is proposed that it be replaced with a neotype in order to stabilise the taxonomy of *Parosphromenus*.

**Keywords.** Nomenclature; taxonomy; Osteichthyes; Perciformes; licorice gouramies; BELONTIIDAE; *Parosphromenus*; *Parosphromenus deissneri*.

**Case 1647.** *Cacatua Vieillot*, 1817 and CACATUINAE Gray, 1840 (Aves, Psittaciformes): proposed conservation. (by Walter J. Bock and Richard Schodde).

**Abstract.** The purpose of this application is to conserve the generic name *Cacatua* Vieillot, 1817 (family psittacidae Rafinesque, 1815) and the subfamily name CACTUINAE Gray, 1840. *Cacatua* has wide currency for the white cockatoos of Australasia and the southwest Pacific but is threatened by the little-used senior synonyms *Kakatoe* Cuvier, 1800, *Cacatoes* Duméril, [1805], *Catacus* Rafinesque, 1815 and *Plyctolophus* Vieillot, 1816. It is proposed that these earlier names be suppressed. The subfamily name CACATUINAE Gray, 1840, based on *Cacatua* and universally used for the five or seven genera of the world's cockatoos, is threatened by PLYCTOLOPHINAE Vigors, 1825, which has remained unused. Suppression of *Plyctolophus* will render the name PLYCTOLOPHINAE invalid.

**Keywords.** Nomenclature; taxonomy; Aves; PSITTACIDAE; CACATUINAE; cockatoos; *Cacatua*; *Cacatua alba*; Australasia; southwest Pacific; Indonesia.

**Case 3004.** LORISIDAE Gray, 1821 and GALAGIDAE Gray, 1825 (Mammalia, Primates): proposed conservation as the correct original spellings. (by Jeffrey H. Schwartz, Jeheskel Shoshani, Ian Tattersall, Elwyn L. Simons and Gregg F. Gunnell).

**Abstract.** The purpose of this application is to conserve the family names LORISIDAE Gray, 1821 and GALAGIDAE Gray, 1825 which are in use for two groups of prosimian primates, the lorises of Asia, East Indies and Africa, and the bushbabies of Africa. The families are based on the genera *Loris* and *Galago*, both of E. Geoffroy Saint-Hilaire (1796), and were first published as LORIDAE and GALAGONINA.

**Keywords.** Nomenclature; taxonomy, Mammalia; Primates; LORISIDAE; LORIDAE; GALAGIDAE; GALAGONIDAE; lorises; bushbabies; Asia; East Indies; Africa.

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### OPINIONS: BZN 55(3), 30 September 1998

Opinion 1902. *Anomalina* d'Orbigny, 1826 (Foraminiferida): *Anomalina ariminensis* d'Orbigny in Fornasini, 1902 designated as the type species.

Opinion 1903. *Umbellula* Cuvier, [1797] (Cnidaria, Anthozoa): conserved as the correct original spelling, and corrections made to the entries relating to *Umbellularia* Lamarck, 1801 on the Official Lists and Indexes of Names in Zoology.

Opinion 1904. *Aporcelainus* Thorne & Swanger, 1936 (Nematoda): *Dorylainus superbus* de Man, 1880 designated as the type species.

Opinion 1905. S.D. Kaicher (1973-1992), *Card Catalogue of World-Wide Shells*: not suppressed for nomenclatural purposes.

Opinion 1906. *Euchroeus* Latreille, 1809 (Insecta, Hymenoptera): conserved; *Chrysis purpurata* Fabricius, 1787 (currently *Euchroeus purpuratus*): specific name conserved; and *Chrysis gloriosa* Fabricius, 1793: specific name suppressed.

Opinion 1907. *Nothosaurus* Münster, 1834 (Reptilia, Sauropterygia): given precedence over *Conchiosaurus* Meyer, [1833].

Opinion 1908. *Hemidactylus garnotii* Duméril & Bibron, 1836 (Reptilia, Squamata): specific name conserved.

Opinion 1909. *Holotropis herminieri* Duméril & Bibron, 1837 (currently *Leiocephalus herminieri*), *Proctotretus bibronii* T. Bell, 1842 (currently *Liolaemus bibronii*) (Reptilia, Squamata): specific names conserved, and *Liolaemus bellii* Gray, 1845 placed on the Official List.