**TABLE OF CONTENTS**

<table>
<thead>
<tr>
<th>Notices</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The International Commission on Zoological Nomenclature and its publications</td>
<td>1</td>
</tr>
<tr>
<td>Addresses of members of the Commission</td>
<td>2</td>
</tr>
<tr>
<td>International Trust for Zoological Nomenclature</td>
<td>3</td>
</tr>
<tr>
<td>Official Lists and Indexes of Names and Works in Zoology — Second Supplement to 1990</td>
<td>4</td>
</tr>
<tr>
<td>The International Code of Zoological Nomenclature</td>
<td>5</td>
</tr>
<tr>
<td>Bulletin of Zoological Nomenclature — Back Copies</td>
<td>5</td>
</tr>
<tr>
<td>Bulletin of Zoological Nomenclature — Crustacea and Mollusca Offprints</td>
<td>5</td>
</tr>
</tbody>
</table>

**Applications**

- *Bucephalus* Baer, 1827 and *B. polymorphus* Baer, 1827 (Trematoda): proposed conservation in their accepted usage. B. Baturo .................................................. **6**

- *Balea Gray*, 1824 (Mollusca, Gastropoda): proposed conservation. A. Waren .......................................................... **12**

- *Xeromunda* Monterosato, 1892 (Mollusca, Gastropoda): proposed designation of *Helix candiota* Mousson, 1854 as the type species. F. Giusti & G. Manganeli .......................... **16**

- *Lineus Stål*, 1867 (Insecta, Heteroptera): proposed conservation, and *L. croupi* Rolston, 1983: proposed conservation of the specific name. L.H. Rolston .................................... **19**

- *Acrorocha* Thomson, 1858 (Insecta, Coleoptera): proposed conservation, and *Coprophilus* Lateireil, 1829: proposed designation of *Staphylinus striatulus* Fabricius, 1792 as the type species. M.K. Thayer ........................................... **22**

- *Carabus mollis* Marsham, 1802 (currently *Calathus mollis*; Insecta, Coleoptera): proposed conservation of the specific name. B. Aukema & M.L. Luff ................................. **28**

- *Helophorus Fabricius*, 1775 (Insecta, Coleoptera): proposed conservation as the correct original spelling. R.B. Angus .................................................. **30**


- *Myacetoporus* Mannerheim, 1831 (Insecta, Coleoptera): proposed designation of *Tachinus punctus* Gravenhorst, 1806 as the type species; proposed conservation of *Ischnosoma* Stephens, 1829; and proposed precedence of *Myacetoporus* over *Ischnosoma*. J.M. Campbell ........................................... **35**

- *Rhipdocystis* Jaekel, 1901 (Echinodermata, Eocrinoida): proposed designation of *R. baltica* Jaekel, 1901 as the type species. S.V. Rozhnov ....................................... **41**

- *Graptolithus clintonensis* (currently *Monograptus clintonensis*; Graptolithina): proposed attribution to Hall, 1852, and designation of a lectotype. D.K. Loydell .................................................. **43**

- *Monograptus crenulatus* (currently *Monoclimacis crenulata*; Graptolithina): proposed attribution of the specific name to Elles & Wood, 1911, and proposed designation of a lectotype. D.K. Loydell, E.E. Bull & P. Štorch ........................................ **46**

- *Scyliorhinus atlanticus* Koefoed, 1927 (currently *Apristurus atlanticus*; Chondrichthyes, Carchariniformes): proposed conservation of the specific name. K. Nakaya & B. Sèret .................................................. **49**

- *Dinodontosaurus* Romer, 1943 (Reptilia, Synapsida): proposed conservation. S.G. Lucas ............................................................................................................................... **52**


**Comments**

- On the article *Problems in the Nomenclature of Higher Taxonomic Categories* by Ya.I. Starobogatov. A.P. Rasnitsyn .................................................. **62**

- On the proposed conservation in their accepted usage of the nominal taxa *Bucephalus Baer*, 1827 and *B. polymorphus* Baer, 1827 (Trematoda). C.B. Srivastava; D.I. Gibson; O.N. Pugachev; J.C. Pearson ........................................ **62**

- On the proposed suppression of the generic name *Bellemnites* Lamarck, 1799 (Mollusca, Coleoidea), with a proposal that the family-group name *BELEMNITIDAE* Owen, 1838 be ruled unavailable and be replaced by PASSALOTEUTHIDIDAE Naef, 1922. P.K. Tubbs ........................................ **66**

On the proposed conservation of *Laecaechlis* Dunker & Metzger, 1874 (Mollusca, Gastropoda) as the correct spelling. D. Heppel

On the proposed conservation of some generic names first proposed in *Histoire abrégée des insectes qui se trouvent aux environs de Paris* (Geoffroy, 1762) (Crustacea and Insecta). D.R. Ragge; R.D. Pope; J. LaSalle

On the proposed conservation of the specific name of *Arietina franciscana* Kellogg, 1906 (Crustacea, Branchiopoda). D. Belk

On the proposed conservation of the specific name of *Amphiuma tridactylum* Cuvier, 1827. (Amphibia, Caudata) H.M. Smith


**Rulings of the Commission**

Opinion 1662. *Limax fribatus* Martyn, 1784 and *Nerita hebraea* Martyn, 1786 (currently *Placostylus fribatus* and *Natica hebraea*; Mollusca, Gastropoda): specific names conserved; and *Placostylus* Beck, 1837: *L. fribatus* designated as the type species

Opinion 1663. *Fryeria* Gray, 1853 and *F. rueppellii* Bergh, 1869 (Mollusca, Gastropoda): conserved


Opinion 1667. *Thalassochernes* Beier, 1940 (Arachnida, Pseudoscorpionida): *Chelifer taiereus* With, 1907 designated as the type species


Opinion 1671. *Strophomena* de Blainville, 1824 (Brachiopoda): *Leptaena planumbona* Hall, 1847 designated as the type species.


Opinion 1673. *Liparidae* Gill, 1861 (Osteichthyces, Scorpaeniformes): spelling confirmed


**Instructions to Authors**

**Applications**

*Mopsea* Lamouroux, 1816 (Cnidaria, Anthozoa): proposed designation of *Isis encrinula* Lamarck, 1815 as the type species. P. Alderslade

*Potamolitthus* Pilsbry, 1896 (Mollusca, Gastropoda): proposed confirmation of *P. rushii* Pilsbry. 1896 as the type species. M.F.L. Armengol & M.O. Manceñido

*Strombiformis albus* Da Costa, 1778 (currently *Melanella* (Balcis) abla; Mollusca, Gastropoda): proposed conservation of the specific name. A. Warén
Amicytheridea Bate, 1975 (Crustacea, Ostracoda): proposed designation of Amicytheridea triangulata Bate, 1975 as the type species. S.C. Khosla, S.R. Jakhar & M.H. Mohammed

Gerris paludum Fabricius, 1794 (currently Aquarius paludum; Insecta, Heteroptera): proposed conservation of the specific name. N.M. Andersen

Chrysobothris Eschschoitz, 1829 and Dicerca Eschschoitz, 1829 (Insecta, Coleoptera): proposed conservation as the correct original spelling. G.H. Nelson

TACHINIDAE Fleming, 1821 (Insecta, Coleoptera) and TACHINIDAE Robineau-Desvoidy, 1830 (Insecta, Diptera): proposed removal of homonymy, and TACHYPORIDAE MacLeay, 1825 (Insecta, Coleoptera): proposed precedence over TACHINIDAE Fleming, 1821. A.F. Newton, M.K. Thayer & C.W. Sabrosky

Copromyzia limosa Fallén, 1820 (currently Leptocera (Rachiispoa) limosa; Insecta, Diptera): proposed replacement of lectotype, so conserving usage of the specific name and also that of Leptocera (Rachiispoa) lutosa (Stenhammar, 1855). K.C. Kim & J. Roháček


EPHYDRIDAE Zetterstedt, 1837 (Insecta, Diptera): proposed precedence over GYMNOMYZIDAE Latreille, 1829. W.N. Mathis & T. Zatwarnicki

Clidastes Cope, 1868 (Reptilia, Sauria): proposed designation of Clidastes propython Cope, 1869 as the type species. C.R. Kiernan

Procollaria gigantea Gmelin, [1789] (currently Macrorurus giganteus; Aves, Procellariformes): proposed conservation of usage of the specific name by designation of a neotype. J.-F. Voisin et al.

Comments

On the citation of names in Zoological Record as evidence of general scientific use. M.J. Thorne

On the proposal to remove the homonymy between CLAVIDAE McCrady, 1859 (Cnidaria, Hydrozoa) and CLAVINAE Casey, 1904 (Mollusca, Gastropoda). D.L. Tippett

On the proposed attribution of the specific name of Ceratites nodosus to Schlotheim, 1813, and the proposed designation of a lectotype (Cephalopoda, Ammonoidea). E.T. Tozer

On the proposed conservation of some generic names first proposed in Histoire abrégée des insectes qui se trouvent aux environs de Paris (Geoffroy, 1762). F.-T. Krell; S.J. Brooks

On the proposed conservation of the neotype designation for Paladin eichwaldi (Fischer von Waldheim in Eichwald, 1825) (Trilobita). H.B. Whittington


On the proposed conservation of the specific name of Amphiuma tridactylum Cuvier, 1827 (Amphibia, Caudata). H.M. Smith


On the proposed conservation of the names Epicrium Wagler, 1828 and ICHTHYOPHIDAE Taylor, 1968 (Amphibia, Gymnophiona), and on the conservation of EPICRIDA Berlese, 1885 (Arachnida, Acari). P.K. Tubbs

On the proposed designation of a neotype for Amniola pulchra Gray, 1852 (Reptilia, Squamata). R.E. Ballinger; L.E. Brown; W.W. Tanner; R.C. Stebbins; J.B. Iverson; D. Chiszar; C. Gans; A.P. Russell; L.J. Vitt

Rulings of the Commission

Opinion 1675. Amphiporus Ehrenberg, 1831 (Nemertea): Planaria lactiflora Johnston, 1828 designated as the type species

Opinion 1676. Lepidomenia Kowalevsky in Brock, 1883 (Mollusca, Solenogastres): Lepidomenia hystrix Marion & Kowalevsky in Fischer, 1885 designated as the type species.

Opinion 1678. *Helicarion* Férussac, 1821 (Mollusca, Gastropoda): conserved, and *Helicarion cuvieri* Férussac, 1821 designated as the type species

Opinion 1679. *Kobelia* Seibert, 1873 (Mollusca, Gastropoda): *Arion hortensis* Férussac, 1819 confirmed as the type species

Opinion 1680. *Butthus vittatus* Say, 1821 (currently *Censtoresoides vittatus*), *Centurus hentzi* Banks, 1904 (currently *Censtoresoides hentzi*) and *Butthus vittatus* Guérin Méneville, [1838] (currently *Bothriurus vittatus*) (Arachnida, Scorpionida): specific names conserved


Opinion 1682. *Plustria falcifera* Kirby, 1837 (currently *Anagraphe falcifera*; Insecta, Lepidoptera): specific name conserved


Opinion 1684. *Lepomis* Rafinesque, 1819 (Osteichthyes, Perciformes): gender fixed as masculine

Opinion 1685. *Rana sphenocephala* Cope, 1886 (Amphibia, Anura): given precedence over *Rana utricularius* Harlan, 1826

Opinion 1686. *Natrix gemonensis* Laurenti, 1768 (currently *Coluber gemonensis*), *Coluber viridiflaurus* Lacépède, 1789 and *Coluber helveticus* Lacépède, 1789 (currently *Natrix helvetica*) (Reptilia, Serpentes): specific names conserved

Opinion 1687. *Phorusrhacos* Ameghino, 1887 (Aves, Gruiformes): not suppressed

Opinion 1688. *Coccyzus eueder/Cabanis, 1873 (Aves, Cuculiformes): specific name conserved

Instructions to Authors

Notices

The European Association for Zoological Nomenclature

The International Code of Zoological Nomenclature

Official Lists and Indexes of Names and Works in Zoology — Second Supplement to 1990

Bulletin of Zoological Nomenclature — Crustacea and Mollusca

Bulletin of Zoological Nomenclature — Back Copies

Applications

*Zanclea costata* Gegenbaur, 1856 (Cnidaria, Hyrozoa): proposed conservation of both generic and specific names. D.R. Calder

*Gebia major capsensis* Krauss, 1843 (currently *Upogebia capsensis*; Crustacea, Decapoda): proposed replacement of neotype, so conserving usage of *capsensis* and also that of *G. africana* Ortmann, 1894 (currently *Upogebia africana*). N. Ngoc-Ho & G.C.B. Poore

*Podissus* Herrich-Schaeffer, 1851 (Insecta, Heteroptera): proposed conservation of *P. vittipennis* Herrich-Schaeffer, 1851 as the type species. D.B. Thomas & W.R. Dolling

*Anthribidae* Billberg, 1820 (Insecta, Coleoptera): proposed precedence over *Choragidae* Kirby, 1819. H. Silfverberg

*Catioaca communialis* Guenée, 1852 (Insecta, Lepidoptera): proposed conservation of the specific name. L.F. Gall


*Acamptopoeum* Cockerell, 1905 (Insecta, Hymenoptera): proposed designation of *Camiptopoeum submetallicum* Spinola, 1851 as the type species. L. Ruz

*Cynobelias opalescens* Myers, 1942 and *Cynolebias splendens* Myers, 1942 (Osteichthyes, Cyprinodontiformes): proposed conservation of the specific names. C.J. Ferraris, Jr. & K.J. Lazara

*Filimanus* Myers, 1936 (Osteichthyes, Perciformes): proposed designation of *Filimanus perplexa* Feltes, 1991 as the type species. R.M. Feltes
Rana megapoda Taylor, 1942 (Amphibia, Anura): proposed conservation of the specific name. R.G. Webb ........................................ 211
Megophrys montana Kuhl & van Hasselt, 1822 (Amphibia, Anura): proposed placement of both the generic and specific names on Official Lists, and Leptobrachium parvum Boulenger, 1893 (currently Megophrys parva): proposed conservation of the specific name. A. Dubois. ............................................... 213
Anisolepis grilli Boulenger, 1891 (Reptilia, Squamata): proposed conservation of the specific name. R. Etheridge & E.E. Williams ........................................ 217

Comments
On the proposed confirmation of unavailability of the name Fusus Helbling, 1779 (Mollusca, Gastropoda). R.E. Petit & D. Wilson .................................................. 221
On the proposal to remove the homonymy between Clavidae McCrady, 1859 (Cnidaria, Hydrozoa) and Clavinae Casey, 1904 (Mollusca, Gastropoda). J.K. Tucker; D.R. Calder, L.D. Stephens & A.E. Sanders .................................. 222
On the proposed conservation of some generic names first proposed in Histoire abrégée des insectes qui se trouvent aux environs de Paris (Geoffroy, 1762). L.B. Holthuis; H. Silfverberg; P.K. Tubbs ........................................... 223
On the proposed conservation of Bruchus Linnaeus, 1767, Pityus Linnaeus, 1767 and Mylabris Fabricius, 1775 (Insecta, Coleoptera). P.K. Tubbs ........................................... 227
On the proposed suppression of the generic names Acrydium and Acridium, and on the conservation of Psophus Fieber, 1853 (Insecta, Orthoptera). P.K. Tubbs ........................................... 228
On the proposed conservation of the names Lincus Stål, 1867 and croupus Rolston, 1983 (Insecta, Heteroptera). L.B. Holthuis; L.H. Rolston ........................................... 229
On the proposed conservation of the generic name Helophorus Fabricius, 1775 (Insecta, Coleoptera) as the correct original spelling. A. Smetana; G.N. Foster; A.F. Newton, Jr.; J.A. Owen; P.J. Spangler; D.T. Bilton; H. Silfverberg ........................................... 230
On the proposed conservation of Schizopus Le Conte, 1858 (Insecta, Coleoptera). L.B. Holthuis; V. Mahnert ........................................... 232
On the proposed conservation of the specific names of Cynolebias opalescens and C. splendens, both of Myers (1942) (Osteichthyes, Cyprinodontiformes). A. Gentry ........................................... 233
On the proposed conservation of the specific name of Anisella pulchra Gray, 1852 and designation of a neotype (Reptilia, Squamata). M.R. Jennings; R.G. Sprackland; H. Griffith; R.G. Zweifel ........................................... 234

Rulings of the Commission
Opinion 1689. Epizoanthus Gray, 1867 (Cnidaria, Anthozoa): conserved ........................................... 236
Opinion 1690. Helix (Helicigona) barbata Férussac, 1832 (currently Lindholmioila barbata; Mollusca, Gastropoda): lectotype designation confirmed ........................................... 238
Opinion 1691. Polygyra Say, 1818 (Mollusca, Gastropoda): Polygyra septemvolva Say, 1818 designated as the type species, and Polygyridae Pilsbry, 1895 given precedence over Mesodontidae Tryon, 1866 ........................................... 240
Opinion 1692. Pharlloderca Lamarck, 1818 and Polyodontes de Blainville, 1828 (Annelida, Polychaeta): conserved ........................................... 242
Opinion 1693. Coccinella undecimnotata Schneider, [1792] (currently Hippodamia (Semiaadalia) undecimnotata; Insecta, Coleoptera): specific name conserved ........................................... 244
Opinion 1694. Rhinapion Beguin-Billecocq, 1905 (Insecta, Coleoptera): conserved ........................................... 246
Opinion 1695. Acanthophthalmus van Hasselt in Temminck, 1824 (Osteichthyes, Cypriniformes): not conserved ........................................... 248
Opinion 1696. Hydrobatidae Mathews, 1912 (1865) (Aves, Procellariiformes): conserved ........................................... 250

Instructions to Authors ........................................... 252

Notices ........................................... 253
The European Association for Zoological Nomenclature ........................................... 254
The International Code of Zoological Nomenclature ........................................... 254
Official Lists and Indexes of Names and Works in Zoology — Second Supplement to 1990 ........................................... 254
Bulletin of Zoological Nomenclature — Crustacea and Mollusca Offprints 255
Bulletin of Zoological Nomenclature — Back Copies 255
Financial Report for 1991 256

Applications
Tortaxis Pilsbry, 1906 and Allopeas Baker, 1935 (Mollusca, Gastropoda): proposed
conservation by the designation of a neotype for Achatina erecta Benson, 1842. F.
Naggs. 258
Taningia danae Joubin, 1931 (Mollusca, Cephalopoda): proposed precedence over
Taningia persica (Naef, 1923). M. Vecchione & C.F.E. Roper. 261
Styloptocuma Băcescu & Muradian, 1974 (Crustacea, Cumacea): proposed conser-
vation with designation of S. antipa Băcescu & Muradian, 1974 as the type species.
L.B. Holthuis. 264
Pachyrhynchus Germar, 1824, Somatodes Schönheer, 1840 and the specific name of
Pachyrhynchus moniliferus Germar, 1824 (Insecta, Coleoptera): proposed conser-
vation. R.T. Thompson 266
Cliona (Hybopsis) topeka Gilbert, 1884 (currently Notropis topeka; Osteichthyes, Cyprini-
formes): proposed conservation of the specific name. F.B. Cross & J.T. Collins. 268
Mugil curema and M. liza Valenciennes in Cuvier & Valenciennes, 1836 (Osteichthyes,
Perciformes): proposed conservation of the specific names. L. Alvarez-Lajonchere,
E. Trewavas & G.J. Howes. 271
Coelurus bauri Cope, 1887 (currently Coelophysis bauri; Reptilia, Saurischia): pro-
posed replacement of the lectotype by a neotype. E.H. Colbert, A.J. Charig, P.
Dodson, D.D. Gillette, J.H. Ostrom & D. Weishampel. 276
Scelidosaurus harrisonii Owen, 1861 (Reptilia, Ornithischia): proposed replacement of
Pseudoxyrhopus Günther, 1881 (Reptilia, Serpentes): proposed conservation. H.M.
Smith, K.L. Williams, V. Wallach & D. Chiszar. 284

Comments
On the date of publication of John McCrady’s hydrozoan paper Gymnophthalmata of
Charleston Harbor. D.R. Calder, L.D. Stephens & A.E. Sanders; A. Gentry 287
On the proposed confirmation of unavailability of the name Fusus Helbling, 1779
(Mollusca, Gastropoda). R. Giannuzzi-SavelI. 289
On the proposed conservation of the specific name of Melanella (Balcis) alba (Da
Costa, 1778) (Mollusca, Gastropoda). R. Giannuzzi-Saveli. 289
On the proposed attribution of the specific name of Ceratites nodosus (Cephalopoda,
Ammonoidea) to Schlotheim, 1813, with the designation of a lectotype. G. Tichy
290
On the proposed conservation of Chrysobothis and Dicerca Eschscholtz, 1829
(Insecta, Coleoptera) as the correct original spellings. R.L. Westcott; S.Bily
290
On the proposed replacement of the lectotype of Leptocera (Rachispora) limosa
(Fallen, 1820) (Insecta, Diptera). T.A. Wheeler 291
On the proposed conservation of Dinodontosaurus Romer, 1943 (Reptilia, Synapsida).
S. Bandyopadhyay. 291

Rulings of the Commission
Opinion 1697. Cheiridium museorum Leach, 1817 (currently Cheiridium museorum;
Arachnida, Pseudoscorpionida): specific name conserved 292
Fabricius, 1793 confirmed as the type species. 294

Indexes, etc.
Authors in volume 49 (1992) 295
Names placed on Official Lists and Indexes in rulings of the Commission published in
volume 49 (1992) 297
Key names and works in Applications and Comments published in volume 49 (1992). 301
Instructions to authors 307
Publication dates and pagination of volume 49 (1992) 308
Instructions to binder 308
Table of Contents of volume 49 (1992). 1
THE BULLETIN OF ZOOLOGICAL NOMENCLATURE

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Notices

(a) Invitation to comment. The Commission is authorised to vote on applications published in the Bulletin of Zoological Nomenclature six months after their publication, but this period is normally extended to enable comments to be submitted. Any zoologist who wishes to comment on any of the applications is invited to send his contribution to the Executive Secretary of the Commission as quickly as possible.

(b) Invitation to contribute general articles. At present the Bulletin comprises mainly applications concerning names of particular animals or groups of animals, resulting comments and the Commission’s eventual rulings (Opinions).

Articles or notes of a more general nature are actively welcomed provided that they raise nomenclatural issues, although they may well deal with taxonomic matters for illustrative purposes. It should be the aim of such contributions to interest an audience wider than some small group of specialists.

(c) Receipt of new applications. The following new applications have been received since going to press for volume 48, part 4 (published on 19 December 1991). Under Article 80 of the Code, existing usage is to be maintained until the ruling of the Commission is published.


(2) Tortaxis Pilsbry, 1906 (Mollusca, Gastropoda): proposed designation of Spiraxis mandarina Pfeiffer, 1855 as the type species. (Case 2833). F. Naggs.


(5) Pleurobranchus testudinarius Cantraine, 1835 (Mollusca, Gastropoda): proposed conservation of the specific name. (Case 2838). W.B. Rudman.


(d) Rulings of the Commission. Each Opinion, Declaration or Direction published in the Bulletin constitutes an official ruling of the International Commission on
Zoological Nomenclature, by virtue of the votes recorded, and comes into force on the day of publication of the *Bulletin*.

**The International Commission on Zoological Nomenclature and its publications**

*The International Commission on Zoological Nomenclature* was established in 1895 by the Third International Congress of Zoology, and at present consists of 29 zoologists from 19 countries whose interests cover most of the principal divisions (including palaeontology) of the animal kingdom. The Commission is under the auspices of the International Union of Biological Sciences (IUBS), and members are elected by zoologists attending General Assemblies of IUBS or Congresses of its associated bodies. Casual vacancies may be filled between Congresses. Nominations for membership may be sent to the Commission Secretariat at any time.

*The International Code of Zoological Nomenclature* has one fundamental aim, which is to provide 'the maximum universality and continuity in the scientific names of animals compatible with the freedom of scientists to classify all animals according to taxonomic judgements'. The latest (Third) Edition was published in 1985 by the International Trust for Zoological Nomenclature, acting on behalf of the Commission. Suggested amendments to the *Code* should be sent to the Secretariat.

Observance of the rules in the *Code* enables a biologist to arrive at the valid name for any animal taxon between and including the ranks of subspecies and superfamily. Its provisions can be waived or modified in their application to a particular case when strict adherence would cause confusion; however, this must never be done by an individual but only by the Commission, acting on behalf of all zoologists. The Commission takes such action in response to proposals submitted to it; applications should follow the instructions on the inside back cover of the *Bulletin*, and assistance will be given by the Secretariat.

*The Bulletin of Zoological Nomenclature* is published four times each year. It contains applications for Commission action, as described above; their publication is an invitation for any person to contribute comments or counter-suggestions, which may also be published. The Commission makes a ruling (called an Opinion) on a case only after a suitable period for comments. All Opinions are published in the *Bulletin*, which also contains articles and notes relevant to zoological nomenclature; such contributions may be sent to the Secretariat.

The Commission's rulings are summarised in *The Official Lists and Indexes of Names and Works in Zoology*; a single volume covering the period 1895–1985 was published in 1987, and a free supplement covering 1986–1990 was issued in 1991. Copies may be obtained from the Secretariat.

In addition to dealing with applications and other formal matters, the Commission's Secretariat is willing to help with advice on any question which may have nomenclatural (as distinct from purely taxonomic) implications.

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Case 2251

_Bucephalus_ Baer, 1827 and _B. polymorphus_ Baer, 1827 (Trematoda): proposed conservation in their accepted usage

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**Abstract.** The purpose of this application is to conserve in their accepted usage the generic and specific names of an important trematode parasite of freshwater fishes — _Bucephalus polymorphus_ Baer, 1827. The name _B. polymorphus_ was based on cercariae, but it has been shown that these develop into the adult trematode first named as _Rhipidocotyle campanula_ (Dujardin, 1844), a senior synonym of _R. illenis_ (Ziegler, 1883). A neotype for _B. polymorphus_ is proposed to avoid transfer of this long recognized name to _R. campanula_, with resulting confusion at both generic and specific levels.

1. In European freshwater fishes two common species of trematodes of the family _Bucephalidae_, known as _Bucephalus polymorphus_ Baer, 1827 and _Rhipidocotyle illenis_ (Ziegler, 1883), have been recognized. It had been assumed that the adult form called _Bucephalus polymorphus_ developed from the cercaria described under this name by Baer in 1827, but the cercaria of the trematode now known by that name was not described until recently, although it was figured by Kinkelin et al. (1968).

2. While studying the biology of these two species, both of which occur in Poland, I examined bivalves (the first intermediate host), cyprinid fishes (the second intermediate host) and predatory fishes (the definitive host). I found two different cercariae from which I experimentally obtained the metacercariae of two species, but the metacercariae of _Rhipidocotyle illenis_ developed from cercariae identical with those described by Baer as _Bucephalus polymorphus_. Detailed data on the morphology of all developmental stages can be found in Baturo (1977).

3. As a result of this study it has become necessary to set in order the names of these two species of Trematoda. For stability of nomenclature it is necessary to maintain the

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An application for the conservation of the nominal taxa _Bucephalus_ and _B. polymorphus_ was received from Dr Baturo on 27 February 1978. Extensive correspondence took place between her and the then Secretary of the Commission (Mr R.V. Melville), and a revised version of her application was published in July 1979 (BZN 36: 30–36). A comment opposing Dr Baturo's application was received from Dr C.B. Srivastava (Zoological Survey of India) on 5 January 1981. Further extensive correspondence took place, with efforts to reconcile points of difference between Dr Baturo and Dr Srivastava. This correspondence eventually lapsed without publication of Dr Srivastava's comment and without the Commission voting upon Dr Baturo's application. In view of its importance, the case has now been reopened. Dr Baturo's application is here reprinted with some modifications. A condensed version of Dr Srivastava's comment is published on BZN 49: 62–66, together with comments in support of Dr Baturo's application from Dr D.I. Gibson (Parasitic Worms Division, The Natural History Museum, London), Dr O.N. Pugachev (Parasitic Worms Department, Zoological Institute, Academy of Sciences, St Petersburg) and Professor J.C. Pearson (Department of Helminthology, University of Queensland).
name *Bucephalus polymorphus*, commonly used and accepted in all keys, textbooks and monographs. The other species, which belongs to the genus *Rhipidocotyle* Diesing, 1858 (p. 313), should under the Principle of Priority be called *R. campanula* (Dujardin, 1844), although it has been known by the junior subjective synonym *R. illensis* (Ziegler, 1883). The history of the case is as follows.

4. Baer (1827, p. 570) established the genus *Bucephalus* for the new species *B. polymorphus* (the type species by monotypy). He based the description on sporocysts and cercariae from the bivalves *Anodonta mutabilis* and *Unio pictorum*.

5. In 1844 Dujardin described from the intestine of the pike (*Esoc lucius*) small adult trematodes which he thought represented the same species as metacercariae that he had earlier found on the branchia of *Cyprinus idus*. He classified them in the genus *Distoma* Retzius, 1786 and gave them the new specific name *campanula* (p. 435). Dujardin’s description of the anterior organ suggests that he was dealing with the adult trematode usually known by the name *Rhipidocotyle illensis* (Ziegler, 1883).

6. Siebold (1848) gave the first short description of an adult trematode from the intestine of *Perca fluviatilis* and *Lucioperca* sp., and erected the new genus *Gasterostomum* for it with the new species *fimbriatum*. Siebold expressed the assumption that the cercaria described by Baer as *Bucephalus polymorphus* was a larva of this adult stage.

7. Wagener (1852, 1857, 1858) gave a more accurate description of *Gasterostomum fimbriatum*, together with drawings of the adult stages. He stated (1852) that *G. fimbriatum* was characterised by five tentacles on the anterior organ. In his next work (1857) he presented drawings and said that *G. fimbriatum* Siebold was probably a synonym of *Bucephalus polymorphus* Baer. A year later Wagener considered *G. fimbriatum* Siebold and *Distoma campanula* Dujardin to be synonyms of *B. polymorphus*. He regarded *G. fimbriatum* Siebold as a sexually mature and tail-less *B. polymorphus* Baer.

8. Ever since Wagener’s papers, the view has been adopted that the adult trematode *G. fimbriatum* Siebold, characterised by the presence of long tentacles on the sucker, develops from the cercariae described in 1827 under the name *Bucephalus polymorphus*. Diesing questioned this view in 1858, but because of erroneous interpretations by this author in other matters his works have not been taken into account.

9. In 1883 Ziegler obtained metacercariae experimentally by infecting the cyprinid *Leuciscus erythrophthalmus* with *B. polymorphus* cercariae developed in the mussel *Anodonta mutabilis* from the Ille river. In describing and illustrating the material obtained, he pointed out the morphological differences between the specimens reared and *G. fimbriatum* Siebold, but he did not determine unequivocally the specific distinction of these two forms. He stipulated, however, that, in case the differences observed by him should prove to be specific differences, he proposed to call the reared form *Gasterostomum illense* (p. 542, footnote).

10. Lühe (1909) considered *G. fimbriatum* as a synonym of *B. polymorphus* Baer, but the description and drawing included in the key correspond to *illensis*. Similarly, Eckmann (1932) acknowledged the existence of only one species, recognising *G. fimbriatum* as a synonym of *B. polymorphus* and questioning whether the form obtained by Ziegler was a separate species. Eckmann (1932) also studied the type
specimens of Gasterostomum galeatum (Rudolphi, 1819) and G. minimum Wagener, 1852 and synonymized them, thereby making G. galeatum the valid name of the type species of Rhipidocotyle Diesing, 1858.

11. A return to the former concept of the occurrence of more than one species of Bucephalidae in European freshwater fishes dates from the work of Koval (1949), who recorded two species in the fishes of the Dnieper river. She described one of them as a new species, Bucephalus markewitschi (p. 206), and used the name B. polymorphus Baer for the second species, which corresponds with G. illense Ziegler.

12. This taxonomic arrangement was not accepted. Vejnar (1956), for example, asserting the existence of two species of trematodes in percid fishes, regarded the form with tentacles as B. polymorphus Baer and identified the other species with the forms described by Ziegler. He transferred this species to Rhipidocotyle, using the combination Rhipidocotyle illense [sic] (Ziegler, 1883). Vejnar's view was supported by Kozicka (1959), who included in her work the history of the study of one of these trematodes, together with detailed descriptions and drawings of adult worms of both species. Kozicka treated the name B. markewitschi Koval as a synonym of B. polymorphus Baer. The characters mentioned by Kozicka as differentiating the two taxonomic species have become key characters and are quoted in all recent monographs and keys (e.g. Skrjabin, 1962; Yamaguti, 1971; Bykhovskaja-Pavlovskaja et al., 1962; Ergens & Lom, 1970).

13. Dollfus (1968) discussed the problems of synonymy once again. Presenting the documentation of the manuscript of the chapter on trematodes from Dujardin's L'Histoire naturelle des Helminthes, he drew attention to the similarity of the drawing of Distoma campanula made by Dujardin to Rhipidocotyle illensis and proposed the combination Rhipidocotyle campanula (Dujardin, 1845) as the valid name for this species.

14. Kinkelin et al. (1968), in a study of the pathogenic effects of cercariae, presented photographs of three developmental stages. Cercariae from the bivalve Dreissena polymorpha differ from B. polymorphus cercariae from Anodonta mutabilis and Unio pictorum drawn by Baer. The metacercariae and adults are characterised by finger-like tentacles on the anterior sucker. Although the authors did not discuss this problem in their paper, thanks to their correct documentation the adult stage with finger-like tentacles on the anterior sucker ('Bucephalus polymorphus' auct.) was for the first time associated with its corresponding cercaria. My study (Baturo, 1977) confirms that these are successive developmental stages of one species.

15. Thus, in accordance with the Principle of Priority, the species commonly known as Rhipidocotyle illensis (Ziegler, 1883), whose adult develops from cercariae described by Baer (1827), should bear the name polymorphus Baer, 1827, while the forgotten name fimbriatum Siebold, 1848, should be restored for the species widely known as Bucephalus polymorphus Baer, 1827. At the same time, it would be necessary to regard the generic name Rhipidocotyle Diesing, 1858, as a synonym of Bucephalus Baer, 1827, and to use the forgotten name Gasterostomum Siebold, 1848 for the genus known at present as Bucephalus.

16. The introduction of such changes in accordance with the Principle of Priority would conflict with current usage. The key characters of trematodes are based on the morphology of the adults and metacercariae, not on the cercariae. Likewise, most data in the literature concern these two developmental stages. Both species are common
parasites of fishes and are widely met as metacercariae and adults. For many practising parasitologists the cercariae from which the metacercariae and adults develop are often unknown — as witness the paper by Kinkelin et al. (1968) in which the authors, presenting adequate photographic documentation, did not observe the fact that they were dealing with unknown cercariae. Strict application of the Principle of Priority to the nomenclature of these common fish parasites would lead to much confusion and erroneous identification of material.

17. Through the co-operation of Dr G. Hartwich, syntypes of _G. fimбриатум_ Siebold, 1848 have been found in the Zoological Museum, Humboldt University, Berlin. By designating one of these as the lectotype of _G. fimбриатум_ (and in 1979 I designated microscopic preparation No. 1655b in the first printing of this paper in BZN 36: 33) and also as the neotype of _Bucephalus polymorphus_ Baer, 1827, stability of nomenclature can be achieved. The latter action, however, can only be taken by the Commission under its plenary powers, because the proposed neotype is not 'consistent with what is known of the former name-bearing type' as is required under Article 75d(4) of the Code.

18. Before putting precise proposals to the Commission, it is desirable to clarify the status of the genus _Rhipidocotyle_ Diesing, 1858. This was proposed by Diesing (1858, pp. 313, 361) with two included species, _Distoma gracilescens_ Rudolphi, 1819 (pp. 111, 409) and _Gasterostomum minimum_ Wagener, 1852 (p. 558), neither of which was designated as type species. According to Eckmann (1932, p. 99), Stiles & Hassall (1908, p. 358) were the first authors to cite a type species, and chose _gracilescens_. However, Stiles & Hassall only said '(type probably _gracilescens_)', and under Article 67c(3) that cannot be accepted as a valid designation. Nicoll (1914, p. 490) definitely designated _Gasterostomum minimum_ Wagener, 1852 (p. 558), and that stands as the first valid type species designation for _Rhipidocotyle_. The valid name for this species is _Rhipidocotyle galeata_ (Rudolphi, 1819, p. 86).

19. The International Commission on Zoological Nomenclature is accordingly asked:

1. to use its plenary powers to set aside all previous fixations of type specimen for the nominal species _Bucephalus polymorphus_ Baer, 1827 and to designate microscopic preparation No. 1655b in the Zoological Museum, Humboldt University, Berlin, as neotype of that species;

2. to place on the Official List of Generic Names in Zoology the following names:
   (a) _Bucephalus_ Baer, 1827 (gender: masculine), type species by monotypy _Bucephalus polymorphus_ Baer, 1827;
   (b) _Rhipidocotyle_ Diesing, 1858 (gender: feminine), type species by subsequent designation by Nicoll (1914) _Gasterostomum minimum_ Wagener, 1852 (a junior subjective synonym of _Monostoma galeatum_ Rudolphi, 1819);

3. to place on the Official List of Specific Names in Zoology the following names:
   (a) _polymorphus_ Baer, 1827, as published in the binomen _Bucephalus polymorphus_ (specific name of the type species of _Bucephalus_ Baer, 1827) and as defined by the neotype designated in (1) above;
   (b) _galeatum_ Rudolphi, 1819, as published in the binomen _Monostoma galeatum_ (senior subjective synonym of the specific name of the type species of _Rhipidocotyle_ Diesing, 1858);
   (c) _campanula_ Dujardin, 1844, as published in the binomen _Distoma campanula_;
(4) to place on the Official Index of Rejected and Invalid Generic Names in Zoology the name *Gasterostomum* Siebold, 1848 (a junior objective synonym of *Bucephalus* Baer, 1827);

(5) to place on the Official Index of Rejected and Invalid Specific Names in Zoology the name *fimbriatum* Siebold, 1848, as published in the binomen *Gasterostomum fimbriatum* (a junior objective synonym of the specific name of *Bucephalus polymorphus* Baer, 1827).

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References


Case 2247

Balea Gray, 1824 (Mollusca, Gastropoda): proposed conservation

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Abstract. The purpose of this application is to conserve the name Balea Gray, 1824, currently in use for a genus of pulmonate gastropods of Europe, the Azores and the Canary Islands (family Clausiliidae Mörch, 1864, subfamily Baleinae). The name has been placed on the Official List of Generic Names in Zoology (Opinion 335) but is threatened by the senior objective synonym Strombiformis Da Costa, 1778, for which suppression is proposed. During the last 70 years the name Strombiformis has been occasionally and invalidly used for a prosobranch genus, correctly named Eulima Risso, 1826 (family Eulimidae Philippi, 1853, which includes more than 4,000 species, world-wide, all parasitic on echinoderms).

1. Risso (1826, p. 123) proposed the generic name Eulima and included four nominal species, including (p. 123, pl. 4, fig. 39) Helix subulatus 'Brocchi, 1814', but he did not designate a type. Brocchi (1814, p. 305, pl. 3, figs. 5a, b) treated subulatus as though it were a new species but it is probable that he was referring to Turbo subulatus Donovan, 1804 (pl. 172, text), an unnecessary replacement name for Strombiformis glaber Da Costa, 1778 (p. 117). Brocchi's illustrated specimen of subulatus, from the Italian Neogene, was figured by Pinna & Spezia (1978, p. 141, pl. 26, figs. 4.4a). I have examined Brocchi's specimens in the Museo Civico di Storia Naturale, Milan, and cannot distinguish them from the Recent species S. glaber Da Costa, 1778. Herrmannsen (1847 (April), p. 431) designated Turbo subulatus Donovan (i.e. S. glaber) as the type species of Eulima. Later designations of the nominal species Turbo politus Linnaeus, 1758 (p. 767) by Gray (1847 (November), p. 160) and by Buctroy, Dautzenberg & Dollfus (1883, p. 188) as the type of Eulima are invalid; moreover, politus was not a species originally included in the genus. A search in several museums in the U.K. failed to reveal any type material of either Strombiformis glaber or Turbo subulatus Donovan, 1804 and I designated a specimen from south Devon (Norman collection) in the Natural History Museum, London as neotype of both nominal taxa (no. BM(NH) 1911.10.26.28452; see Warén, 1989, p. 220, pl. 26, figs. 1, 2). The species has recently been figured (Fretter & Graham, 1982, fig. 295; Warén, 1984a, figs. 76, 77; Warén, 1984b, figs. 78, 79). No specimens of Risso have been found in the Muséum National d'Histoire Naturelle in Paris, where most of the Risso collection is kept, and the species was not mentioned by Arnaud (1978).

2. The name Balea was proposed by Gray (1824, p. 61) for pulmonate gastropods (family Clausiliidae). Gray included three species, among them Pupa fragilis Draparnaud, 1801 (p. 64), and placed Turbo perversus Linnaeus. 1758 (p. 767) in the synonymy of fragilis (inappropriately in view of the dates). Herrmannsen (1846, p. 103)
designated *T. perversus* Linnaeus, the senior synonym, as the type species of *Balea*. The name *Balea* was placed on the Official List of Generic Names (Opinion 335, March 1955) with *Pupa fragilis* Draparnaud, 1801 incorrectly given as the type species.

3. Harris (1894, p. 31) designated *Turbo perversus* Linnaeus, 1758 as the type species of *Strombiformis* Da Costa, 1778 (p. 107), a name introduced for a genus of nine species, including *perversus* and *Strombiformis glaber* Da Costa, 1778. Harris noted: ‘In 1778 Da Costa employed the name *Strombiformis* to designate certain land and marine mollusca, his first species, and therefore the type of the genus, being *Turbo perversus* Linn.’ This is a valid designation, although the reason given for the choice of type species is not mandatory today (see Recommendation 69B(11) of the Code), and renders *Strombiformis* Da Costa, 1778 a senior objective synonym of *Balea* Gray, 1824. The name *Balea* has consistently been used for the genus and has appeared in popular field guides as well as works on taxonomy, ecology and distribution (see, for example, the following representative recent publications: Kerney, Cameron & Jungbluth (1983), Pfleger & Chatfield (1983), Abbott (1989, p. 68) and Vaught (1989, p. 84)). The name *Strombiformis* has never been used for the genus typified by *perversus* and I propose that it be suppressed.

4. Iredale (1915, p. 293) did not recognise Harris’s (1894) type designation and selected *Strombiformis glaber* Da Costa, 1778, the type species of *Eulima* Risso, 1826 (see para. 1 above), as the type species of *Strombiformis*. Among later treatments of the *Eulimidae*, Winckworth (1934, p. 12), Wenz (1940, p. 833), Fretter & Graham (1962, pp. 643, 662), Keen (1971, p. 443), Powell (1979, p. 138) and Graham (1988, p. 520) did not include *Strombiformis* as a valid name in the family. On the other hand, Thiele (1929, p. 227), Dell (1956, p. 79) and Abbott (1974, p. 126) adopted *Strombiformis* in the *Eulimidae*, with *S. glaber* Da Costa as the type species. Vaught (1989, p. 41) doubtfully included *Strombiformis* in the *Eulimidae*. In revisions of the family (Warén, 1984b, p. 43; Bouchet & Warén, 1986, p. 318) I urged that Harris’s valid type designation for *Strombiformis* should be followed to avoid nomenclatural confusion concerning *Eulima* as the valid name for the genus. Suppression of the name *Strombiformis* would further stabilise usage of *Eulima*.

5. The International Commission on Zoological Nomenclature is accordingly asked:

1. to use its plenary powers to suppress the generic name *Strombiformis* Da Costa, 1778 for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;

2. to place on the Official List of Generic Names in Zoology the name *Eulima* Risso, 1826 (gender: feminine), type species by subsequent designation by Herrmannsen (1847) *Turbo subulatus* Donovan, 1804 (an unnecessary replacement name for *Strombiformis glaber* Da Costa, 1778);

3. to amend the entry for *Balea* Gray, 1824 on the Official List of Generic Names in Zoology to record the type species as *Turbo perversus* Linnaeus, 1758 by subsequent designation by Herrmannsen (1846);

4. to place on the Official List of Specific Names in Zoology the name *glaber* Da Costa, 1778, as published in the binomen *Strombiformis glaber* (senior objective synonym of the specific name of *Turbo subulatus* Donovan, 1804, the type species of *Eulima* Risso, 1826);

5. to place on the Official Index of Rejected and Invalid Generic Names in Zoology the name *Strombiformis* Da Costa, 1778, as suppressed in (1) above.
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Da Costa, E.M. 1778. Historia naturalis testaceorum Britanniae or, the British conchology... xii, 254, vii pp., 17 pls. Published by the author, London.


Case 2634

Xeromunda Monterosato, 1892 (Mollusca, Gastropoda): proposed designation of Helix candiota Mousson, 1854 as the type species

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Abstract. The purpose of this application is to designate Helix candiota Mousson, 1854, an originally included nominal species, as the type species of the terrestrial snail genus Xeromunda (Hygromiidae). The name of the present type species, Helix turbinata Cristofori & Jan, 1832, is indeterminate but referred to Sicilian material, whereas Xeromunda was based on Greek specimens.

1. Monterosato (1892, p. 25) established Xeromunda for a group of the ‘Xerophilae’ living in mainland Greece and ‘Siria’ (Syra, one of the Cyclades islands), and placed in it ‘H. turbinata, Candidota’. Xerophilae was a vernacular name derived from Xerophila Held, 1837, and not a family-group name. In the same year ‘Hel. turbinata’ was designated as the type species in an anonymous (but believed to be written by Kobelt, the editor of the Nachrichtsblatt) report (1892, p. 152) of the Monterosato paper.

2. Although Monterosato and Kobelt did not specify the authorship of the Helix turbinata referred to, it is clear that it must have been the one usually known at the time as H. turbinata Cristofori & Jan, 1832, or more simply as H. turbinata Jan. They could not have intended to refer to H. turbinata Gmelin, [1791] (p. 3668) or Deshayes, 1830 (p. 265), because those do not belong to the ‘Xerophilae’, and H. variabilis Cafici, 1883 (p. 32), which included a ‘var. turbinata’, was placed by Monterosato in a different ‘group’ of the Xerophilae, namely Xerokauta Monterosato, 1892 (p. 23).

3. Helix turbinata Cristofori & Jan, 1832 was described (Conchilia, p. 4, locality; Mantissa, p. 2, description) as living in Sicily. No type material exists, since the collection of Cristofori and Jan in the Museo Civico di Storia Naturale in Milan was destroyed in the second world war. The original description is very brief, and might include many species, e.g. of Cernuella Schlüter, 1838. Xeromunda, on the other hand, was based on Greek specimens (the Monterosato collection in the Museo Civico di Storia Naturale in Rome contains only Greek material), and Mousson (1854, p. 10) had described Helix candiota from Greek localities as a species distinct from H. turbinata of Sicily; he regarded the latter as a synonym of H. aradasii Pirajno di Mandralisca, 1842 (p. 6). Mousson pointed out that Pfeiffer (see, for example, 1848, p. 155) had used the name ‘turbinata Jan’ for Greek specimens. Kobelt (1877, pp. 106–107), while recognizing that H. turbinata had been based on Sicilian specimens, nevertheless on the grounds of usage continued to use the name for the Greek species: it was presumably in this (Greek) sense that he meant Hel. turbinata when in 1892 he designated the type species of Xeromunda. The identity of H. turbinata Cristofori & Jan and H. aradasii has been disputed, and since Pfeiffer various workers have used H. turbinata for Sicilian and/or
Greek material. This name is not only a junior primary homonym but is also indeterminate, and it has a confused history (see Manganelli & Giusti, 1989; further details have been given to the Commission Secretariat).

4. It is therefore recommended that *Helix candiota* Mousson, 1854 (p. 10) be designated as the type species of *Xeromunda*. This is the earliest available name for the species named ‘*H. turbinata, Candiota*’ by Monterosato when he proposed *Xeromunda* and that meant by Kobelt when he designated *turbinata* as the type species. The designation of *H. candiota* is in accordance with past and current usage of *Xeromunda* (Hesse, 1934; Fuchs & Käufel, 1936; Clerx & Gittenberger, 1977; Hausdorf, 1988, 1990; Manganelli & Giusti, 1989).

5. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to set aside all previous fixations of type species for the nominal genus *Xeromunda* Monterosato, 1892, and to designate *Helix candiota* Mousson, 1854 as the type species;

(2) to place on the Official List of Generic Names in Zoology the name *Xeromunda* Monterosato, 1892 (gender: feminine), type species by designation in (1) above *Helix candiota* Mousson, 1854;

(3) to place on the Official List of Specific Names in Zoology the name *candiota* Mousson, 1854, as published in the binomen *Helix candiota* (specific name of the type species of *Xeromunda* Monterosato, 1892).

References


Case 2798

*Lincus* Stål, 1867 (Insecta, Heteroptera): proposed conservation, and *L. croupius* Rolston, 1983: proposed conservation of the specific name

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**Abstract.** The main purpose of this application is the conservation of the shield bug generic name *Lincus* Stål, 1867 (Pentatomidae) by the suppression of the unused senior subjective synonym *Audinetella* Spinola, 1850. Species of *Lincus* are vectors of diseases of cultivated palms in South America caused by flagellates (*Phytomonas* sp.). One of these species is *L. croupius* Rolston, 1983, and the conservation of its specific name by the suppression of the unused subjective synonym *bipunctata* Spinola, 1850 is also proposed.

1. Spinola (1850, p. 86) described the genus *Audinetella* (see also p. 35) with the single included species *Audinetella bipunctata* (p. 88).
2. The two female syntypes of *Audinetella bipunctata*, preserved in the Museo Regionale di Scienze Naturali, Turin (Casale, 1981, p. 56), are not conspecific. One is *Lincus croupius* Rolston, 1983 (p. 12) and the other a *Paralincus* species that is apparently unnamed. Spinola’s description, however, fits only *Lincus croupius* in several critical characters. He described the species as 10 mm in length, the 2nd and 3rd antennal segments as subequal in length, the anterior prothoracic angles as lobate (emphasizing this character by italics), and the legs as unarmed. The *Lincus croupius* specimen is 10.9 mm in length, the 2nd and 3rd antennal segments are each 1 mm, the anterior prothoracic angles are lobate, and the legs are unarmed. By contrast, the *Paralincus* sp. specimen is 13.5 mm long, the 2nd antennal segment is 1.7 mm in length and the 3rd is 1.1 mm, the anterior prothoracic angles are small and triangular, and all femora are armed with numerous tubercles. Therefore, there is no doubt that the binomen *Audinetella bipunctata* applies to the *Lincus croupius* specimen, and it is indeed possible that the *Paralincus* specimen was added at a later date by a person unknown.
3. *Audinetella* Spinola, 1850 is senior to both *Lincus* Stål, 1867 (p. 524; type species by monotypy *Pentatoma rufospilota* Westwood, 1837, p. 44) and *Paralincus* Distant, 1911 (p. 246). However, the name *Audinetella* and the specific name of *A. bipunctata* have not appeared in the primary literature since the original description.
4. There is a considerable number of systematic papers in which *Lincus* has been used as a valid name (Stål, 1867, 1872; Distant, 1899, 1900; Breddin, 1904, 1908; Rolston, 1981, 1983, 1989; and Dolling, 1984). There are 35 described species in the genus and some of these are known or suspected vectors of palm diseases caused by flagellates (*Phytomonas* sp.). In the past few years considerable work has been done on vector species of *Lincus* (Perthuis, Desmier de Chenon & Merland, 1978, 1985; Desmier
de Chenon, 1984; Perthuis, 1985; Louise, Dollet & Mariau, 1986; Liceras & Liceras de Hidalgo, 1987; Dollet & Wallace, 1987; Couturier & Kahn, 1989; Llosa, Couturier, & Kahn, 1990; Rasplus, Pluot-Sigwalt, Llosa & Couturier, 1990). Several of these papers report Lincus croupius Rolston, 1983 as a vector of 'hartrot' of coconut palms. Since the names Lincus and croupius are in current use in both taxonomic and applied literature their replacement by the unused senior subjective synonyms Audinetella and bipunctata would be disruptive.

5. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to suppress the following names for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:
   (a) the generic name Audinetella Spinola, 1850;
   (b) the specific name bipunctata Spinola, 1850, as published in the binomen Audinetella bipunctata;

(2) to place on the Official List of Generic Names in Zoology the name Lincus Stål, 1867 (gender: masculine), type species by monotypy Pentatoma rufospilota Westwood, 1837;

(3) to place on the Official List of Specific Names in Zoology the following names:
   (a) rufospilota Westwood, 1837, as published in the binomen Pentatoma rufospilota (specific name of the type species of Lincus Stål, 1867);
   (b) croupius Rolston, 1983, as published in the binomen Lincus croupius;

(4) to place on the Official Index of Rejected and Invalid Generic Names in Zoology the name Audinetella Spinola, 1850, as suppressed in (1)(a) above;

(5) to place on the Official Index of Rejected and Invalid Specific Names in Zoology the name bipunctata Spinola, 1850, as published in the binomen Audinetella bipunctata and as suppressed in (1)(b) above.

Acknowledgement

W.R. Dolling provided a photocopy of Spinola’s 1850 separates and reprints of his own papers on Lincus.

References


Case 2764

Acrolocha Thomson, 1858 (Insecta, Coleoptera): proposed conservation, and Coprophilus Latreille, 1829: proposed designation of Staphylinus striatulus Fabricius, 1792 as the type species

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Abstract. The purpose of this application is to conserve the usage of the names Acrolocha Thomson, 1858 and Coprophilus Latreille, 1829 for genera of rove beetles (Staphylinidae). Acrolocha is threatened by the senior objective synonym Elonium Leach in Samouelle, 1819, a name that has caused confusion because it has been used for two completely different taxa, Acrolocha and Coprophilus in the Omalininae and Oxytelinae respectively. The usage of Coprophilus is maintained by the proposed designation of Staphylinus striatulus Fabricius, 1792 as the type species.

1. Leach in Samouelle (1819, p. 175) erected the new genus Elonium, giving Omalium striatum as its type and only included species; he did not cite an author’s name with the species. The name Elonium has been credited to Samouelle by some subsequent authors.

2. Stephens (1829a, p. 25) and Curtis (1829, col. 29) both placed Omalium striatum Gravenhorst, 1802 (p. 119) in Omalium Gravenhorst, 1802 (p. 111) and Staphylinus striatulus Fabricius, 1792 (p. 525) in Elonium, apparently regarding Leach’s citation of the former species as an error for the latter. Stephens (1833, col. 108; 1834, p. 349) continued to place O. striatum Gravenhorst in Omalium and (1833, col. 107) S. striatulus Fabricius in Elonium (although he treated Elonium as a synonym of Coprophilus Latreille, 1829; see para. 3).

3. Latreille (1829, p. 439) erected the new genus Coprophilus, with ‘Omalium rugosum Gravenhorst’ as the only species named. Gravenhorst (1802, p. 115) attributed Staphylinus rugosus (placed in Omalium) to Olivier (1795; genus no. 42, p. 30), who in turn referred it to S. rugosus Fabricius, 1775 (p. 267). Olivier repeated Fabricius’s description and mentioned two more Fabrician references, as well as providing illustrations (pl. 5, fig. 43). It follows from this that the nominal species Staphylinus rugosus Fabricius, 1775 is the type of Coprophilus by monotypy. However, at least since 1829 (Curtis, cols. 29, 30; Stephens, 1829a, p. 24; 1829b, pp. 293, 297), rugosus Fabricius has been consistently placed in Oxytelus Gravenhorst, 1802. The name rugosum ‘Ol.’ or ‘Grav.’ has been treated as a synonym of Staphylinus striatulus Fabricius, 1792 and placed in Elonium or Coprophilus (see para. 2). Like Stephens (1833), Erichson (1839, p. 609) and Lacordaire (1854, p. 120) listed Elonium as a synonym of the younger name Coprophilus without comment. These authors and also Kraatz (1857, p. 1000) kept striatum Gravenhorst in Omalium.
4. Thomson (1858, p. 38) erected the new genus Acrolocha with Omalium striatum [no author cited] as type species by original designation and monotypy; the combination Acrolocha striata (Gravenhorst, 1802) has been widely used since (see para. 12). Acrolocha is thus a junior objective synonym of Elonium (see para. 1).

5. Tottenham (1949, p. 359) followed Stephens and Curtis of 1829 (and Westwood, [1838], p. 18) in regarding Staphylinus striatulus Fabricius as the type species of Elonium. As part of his justification, Tottenham said ‘...besides, it is inconceivable that at that date [1819] Samouelle [sic, correctly Leach] should have separated striatum Gravenhorst from the genus Omalium... The true Omalium striatum Gravenhorst, 1802, has never been taken in Britain’. In 1954 Tottenham stated (p. 38) that the wide distribution of S. striatulus in Britain supported the idea that Leach was actually dealing with that species when he erected Elonium (see also para. 2), although on p. 19 he suggested that previous British records of Acrolocha striata (Gravenhorst) actually referred to A. sulcula (Stephens, 1834) (see para. 10).

6. Blackwelder (1952, p. 146) agreed with Tottenham (1949) that ‘an error is evident in Samouelle’s citation...’ and that the original designation of Omalium striatum as type species of Elonium referred to S. striatulus Fabricius, which is placed in the oxytelinæ. He corrected Tottenham’s attribution of Elonium to Samouelle, giving Leach as the author. Arnett (1960, pp. 238, 255), Watanabe & Shibata (1961, p. 43), Burakowski, Mroczkowski & Stefanksa (1979, p. 81), Muona (1979, p. 19) and Hayashi (1981, p. 88) followed Blackwelder and Tottenham, using the name Elonium in the oxytelinæ without comment.

7. Steel (1957, p. 157) used the name Acrolocha, without comment, in revising the genus of Omalinae that includes Omalium striatum Gravenhorst, which he treated as a junior synonym of Staphylinus minutus Olivier, 1795 (genus no. 42, p. 38).

8. Herman (1970, p. 367) disagreed with Stephens, Tottenham and Blackwelder’s interpretation of Leach’s intention, arguing that his designation of striatum as type should be taken literally, with Elonium being a senior objective synonym of Acrolocha and belonging to the Omalinae. This leaves Coprophilus Latreille, 1829 as the name for the genus of Oxytelinae that includes striatulus. Herman pointed out (apparently for the first time) that Stephens never explained why he regarded Leach’s designation of ‘Omalium striatum’ as an error for Staphylinus striatulus Fabricius.

9. As stated in para. 3, the type species of Coprophilus is formally Staphylinus rugosus Fabricius, 1775, but since the year (1829) when Latreille proposed Coprophilus that nominal species has been placed in Oxytelus, while S. striatulus Fabricius, 1792 has been synonymized with ‘Omalium rugosum Gravenhorst’. I propose that S. striatulus be designated as the type species of Coprophilus. The following authors use Coprophilus in this sense: Kloet & Hincks (1977), Moore & Legner (1979), Harde (1984) and Uéno, Kurosawa & Satô (1985) and a further list of 41 references is held by the Commission Secretariat.

10. Kloet & Hincks (1977, p. 23) followed Tottenham (1954, p. 19, but not p. 38: see para. 5) in saying that the name striatum Gravenhorst, 1802 (placed in either Omalium or Acrolocha) has been widely used by British authors for what is really Anthisium sulculum Stephens, 1834 (p. 336), first described from Britain. It is possible, perhaps even likely, that Leach was one, or the first, of these authors. This would explain his seemingly unlikely choice of a species (striatum) not then occurring in Britain as the type species of his genus Elonium. No one appears to have considered either specimens or the text accompanying the type species designation of Elonium in attempting to
understand Leach's intent. Leach's collection is in the Natural History Museum, London (Hammond, 1972, p. 130). My search in late 1989 of both the general and British collections there failed to uncover any Leach specimens of striatum, striatulus or sulculum, so Leach's own collection offers no help. Although brief, Leach's (1819, p. 174) characterization of Omalium (s.l., including his new genera Elonium and Anthobium) included: 'thorax transverse-quadrate, the anterior angles rounded'. Examination of specimens of the three species in question shows that: striatulus has the pronotum quadrate to slightly elongate, with the anterior corners strongly narrowed and protruding forward alongside the head; striatum has the pronotum transverse with obtusely angulate anterior corners; and sulculum has the pronotum slightly transverse with distinctly rounded anterior corners. These observations and current knowledge of the history of the British fauna suggest, in agreement with Tottenham (1954, p. 19) and Kloet & Hincks (1977), that what Leach meant by Omalium striatum was actually the species now correctly known as sulculum Stephens, and not striatulus Fabricius. Elonium Leach was, therefore, based on a misidentification of the type species.

11. There seems no reason to ignore both Leach's text and his apparent intent by designating Staphylinus striatulus as the type species of Elonium. This leaves a choice between Omalium striatum Gravenhorst (the nominal species given by Leach) and Anthobium sulculum Stephens (the taxonomic species Leach was probably dealing with). There seems no doubt that the two are congeneric (e.g. Steel, 1957), and choice of either as type species would result in the use of Elonium Leach in Samouelle (1819) for the genus of Omalinae usually known as Acrolocha Thomson, 1858, even since Herman's (1970) paper (see para. 8).

12. My search of the literature reveals only six relatively recent uses of Elonium for the genus generally known as Acrolocha: Moore & Legner (1974, p. 553; 1975, p. 187), by myself (Thayer, 1978, p. 148 — actually a misidentification based on Moore & Legner (1974)), Uhlig & Vogel (1981, p. 84), Lohse & Lucht (1989, pp. 126, 285) and Koch (1989, p. 221). The last two are not really independent uses. All other works I have examined use the name Acrolocha instead of Elonium; Harde (1984), Mahler (1987) and Zanetti (1987) are examples, and a list of 28 works by 25 authors in the last 40 years is held by the Commission Secretariat. I know of five relatively recent uses of Elonium in the oxytelinae, i.e. as a synonym of the much more widely used Coprophilus (see para. 6).

13. Because of (1) the confusion engendered by past use of the name Elonium for two completely different taxa in the Omalinae and oxytelinae, (2) the existence of the more widely used name Coprophilus for the latter of these, and (3) the existence of the much more commonly used junior synonym Acrolocha for the other, I propose that the best course to promote stability of nomenclature is to suppress the name Elonium and to continue to use Coprophilus and Acrolocha for the two genus-group taxa involved. Although neither of the genera is of economic or medical importance (with concomitant frequent citation), it is an undesirably confusing situation.

14. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers:
   (a) to suppress the generic name Elonium Leach in Samouelle, 1819 for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;
(b) to set aside all previous fixations of type species for *Coprophilus* Latreille, 1829, and to designate the nominal species *Staphylinus striatulus* Fabricius, 1792 as the type species of the genus;

(2) to place on the Official List of Generic Names in Zoology the following names:

(a) *Acrolocha* Thomson, 1858 (gender: feminine), type species by original designation *Omalium striatum* Gravenhorst, 1802;

(b) *Coprophilus* Latreille, 1829 (gender: masculine), type species by designation in (1)(b) above *Staphylinus striatulus* Fabricius, 1792;

(3) to place on the Official List of Specific Names in Zoology the following names:

(a) *striatum* Gravenhorst, 1802, as published in the binomen *Omalium striatum* (specific name of the type species of *Acrolocha* Thomson, 1858);

(b) *striatulus* Fabricius, 1792, as published in the binomen *Staphylinus striatulus* (specific name of the type species of *Coprophilus* Latreille, 1829);

(4) to place on the Official Index of Rejected and Invalid Generic Names in Zoology the name *Elonium* Leach in Samouelle, 1819, as suppressed in (1)(a) above.

**Acknowledgements**

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**References**


Case 2782

*Carabus mollis* Marsham, 1802 (currently *Calathus mollis*; Insecta, Coleoptera): proposed conservation of the specific name

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Abstract. The purpose of this application is to conserve the specific name of the ground beetle *Carabus mollis* Marsham, 1802 by suppression of its unused senior homonym *Carabus mollis* Ström, 1768.

1. Ström (1768, p. 330) described a species *mollis* in the genus *Carabus* Linnaeus, 1758. This name is a junior subjective synonym of *Carabus vaporariorum* Linnaeus, 1758 (p. 415). Since its publication the specific name *mollis* Ström, 1768 has been cited only by Schøyen (1880, p. 179) and Silfverberg (1977, p. 42) as a synonym and as a homonym respectively.

2. In 1802 (p. 456) Marsham described *mollis* in *Carabus*, now placed in *Calathus* Bonelli, 1810, from Ealing, U.K. The species name *Calathus mollis* is well-established. At least 30 different authors have applied this binomen during the last 20 years (e.g. Freude, Harde & Lohse, 1976, p. 206; Kloet & Hincks, 1977, p. 4 and Trautner & Geigenmüller, 1987, p. 288). A list of a further 40 references has been given to the Commission Secretariat. A male lectotype for *Calathus mollis*, here designated, is kept in the Natural History Museum, London. It is labelled ‘Lectotypus *Carabus mollis* Marsham/Des. B. Aukema 1990’.

3. Duftschild (1812, p. 124) described and named *Carabus ochropterus*. Since then *ochropterus* has been treated either as a synonym of *Calathus melanoccephalus* (Linnaeus, 1758, p. 356) (see, for example, Schatzmayr, 1937, p. 44 and Jeannel, 1942, p. 845), or as a synonym of *Calathus mollis* (see, for example, Putzeys, 1873). The type of *Carabus ochropterus* is lost (Gusenleitner, 1984).

4. Silfverberg (1977, p. 42) pointed out that, as a junior primary homonym, *Carabus mollis* Marsham, 1802 cannot be used. He suggested use of the name *Calathus ochropterus* (Duftschild, 1812) for the species. *C. ochropterus* was described from the Schneeberg near Vienna. Since *mollis* Marsham (a species of coastal dunes and blown sands) is not known from Austria (Aukema, 1990), and is unlikely to occur there, it seems highly improbable that *ochropterus* represented the same species as *mollis* Marsham.

5. The International Commission on Zoological Nomenclature is accordingly asked: (1) to use its plenary powers to suppress the specific name *mollis* Ström, 1768, as published in the binomen *Carabus mollis*, and all uses of the name *Carabus mollis*...
prior to that by Marsham, 1802, for the purposes of both the Principle of Priority and the Principle of Homonymy:

(2) to place on the Official List of Specific Names in Zoology the name *mollis* Marsham, 1802, as published in the binomen *Carabus mollis* and as defined by the lectotype designated in para. 2 above;

(3) to place on the Official Index of Rejected and Invalid Specific Names in Zoology the name *mollis* Ström, 1768, as published in the binomen *Carabus mollis* and as suppressed in (1) above.

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Thanks are due to Dr. L.B. Holthuis (*Nationaal Natuurhistorisch Museum, Leiden, The Netherlands*) for his comments on the manuscript.

References


Communication No. 431, The Biological Station, Wijster, The Netherlands
Case 2796

*Helophorus* Fabricius, 1775 (Insecta, Coleoptera): proposed conservation as the correct original spelling

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**Abstract.** The purpose of this application is to conserve the name *Helophorus* Fabricius, 1775 for an important genus of water beetle, originally spelt *Elophorus*. Illiger (1801) emended this to *Helophorus* and this spelling is now almost universally used. However, Illiger's emendment was unjustified and it is proposed to rule that *Helophorus* is the correct original spelling.

1. Fabricius (1775, p. 66) established the genus *Elophorus* for two species of water beetle, *Silpha aquatica* Linnaeus, 1758 (p. 362) and a new species *Elophorus minutus* (p. 66).

2. Latreille (1810, p. 428) designated 'E. aquaticus Fab.' as the type species. Fabricius had stated that the name *Silpha aquatica* referred to the Linnaean species.

3. Fabricius gave no indication of the derivation of his name *Elophorus*. Illiger (1801, p. 138) emended it to *Helophorus* on the grounds that the first part was derived from the Greek 'helos', a swamp. Smetana (1985, p. 18), however, pointed out that the name more probably means 'callus-bearer', and refers to the distinctive swollen ridges on the pronotum. Irrespective of the etymological derivation, Illiger's emendment to *Helophorus* is unjustified under Article 33b of the Code.

4. Illiger's emendment to *Helophorus* has been accepted by most modern authors. Almost all recent works on these beetles in such areas as agricultural entomology, ecology and palaeontology as well as systematics have used the spelling *Helophorus* (e.g. Balfour-Browne (1958), Fernando (1958), Angus (1970, 1982, 1992), Lohse (1971), Richards & Davies (1977), Coope (1979), Smetana (1985, 1988), Hansen (1987), Friday (1988) and Shatrovskiy (1989)). The only important recent works to use the spelling *Elophorus* are Chiesa (1959) and McCorkle (1965). Even the older literature has a preponderance of usage of *Helophorus*. As a summary of older work, Knisch (1924, p. 66) listed 39 authors of major works using the spelling *Helophorus* and 11 using *Elophorus*. A further measure of the relative degree of usage of the two spellings is that of the approximately 180 species at present known, 20 were originally attributed to *Elophorus*, six to other genera and all the rest to *Helophorus* (data from Smetana (1985, Nearctic), Shatrovskiy (1989, eastern U.S.S.R.) and Angus (1992, Europe and adjacent lands)).

5. *Helophorus* is thus seen to be a large genus, important in the study of various aspects of entomology. As such it is important that the spelling 'Helophorus' used in the great majority of works, especially the more recent ones, should be maintained.
6. The International Commission on Zoological Nomenclature is accordingly asked:
(1) to use its plenary powers to rule that the correct original spelling of the generic name *Elophorus* Fabricius, 1775 is deemed to be *Helophorus*;
(2) to place on the Official List of Generic Names in Zoology the name *Helophorus* Fabricius, 1775 (gender: masculine), type species by subsequent designation by Latreille (1810) *Silpha aquatica* Linnaeus, 1758, spelling ruled in (1) above;
(3) to place on the Official List of Specific Names in Zoology the name *aquatica* Linnaeus, 1758, as published in the binomen *Silpha aquatica* (specific name of the type species of *Helophorus* Fabricius, 1775);
(4) to place on the Official Index of Rejected and Invalid Generic Names in Zoology the name *Elophorus* Fabricius, 1775 (ruled in (1) above to be an incorrect original spelling of *Helophorus*).

References


Case 2776

Meladema Laporte, 1835 (Insecta, Coleoptera): proposed conservation

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Abstract. The purpose of this application is the conservation of the name Meladema Laporte, 1835, for a genus of water diving beetles. It is threatened by Scutopterus Dejean, 1833, an unused senior synonym.

1. Dejean (1833, p. 54) established the name Scutopterus (attributed to Eschscholtz) for three species of diving beetles: Scutopterus coriaceus 'Hoffmanseg' (a nomen nudum), Dytiscus lanio Fabricius, 1775 (p. 231), and Dytiscus pustulatus Rossi, 1792 (p. 68). Crotch (1873, p. 404) selected coriaceus as type species, but this is not a valid type designation as this species was only included as a nomen nudum by Dejean. Nilsson, Roughley & Brancucci (1989, p. 307) designated Dytiscus lanio as type species of Scutopterus.

2. Laporte (1835, p. 98) was the first author to describe the species coriacea, which he placed in the new genus Meladema without reference to the name Scutopterus. The type species of Meladema is M. coriacea Laporte, 1835 by monotypy.

3. Aubé ([1837], p. 94, see Méquignon in Guignot, 1932, p. 547 for the date of publication) used Meladema as a division of Colymbetes Clairville, 1806. Chenu (1851, p. 206) noted that Meladema corresponded to Scutopterus 'Eschscholtz', which had never been described. Chenu also noted that an American species, probably Dytiscus (Meladema) distigma Brullé, [1838] (p. 48; see Sherborn & Woodward, 1901, p. 389 for the date of publication), belonged to this subgenus. Gemminger & Harold (1868, p. 447) erroneously attributed Scutopterus to Lacordaire (1835, p. 308; in fact the reference is to Cymatopterus 'Eschscholtz' in Dejean, 1833 (p. 54)) and placed Meladema Laporte as a synonym. They also added the Holarctic species Colymbetes dahuricus Mannerheim in Aubé, [1837] (p. 99) and the Nearctic Agabus angustus angustus LeConte, 1850 (p. 213) to Scutopterus.

4. Wollaston (1871, p. 220) and Crotch (1873, p. 404) both followed Gemminger & Harold's usage of the name Scutopterus and Crotch added the new species S. hornii. Sharp (1882, p. 606) reclassified the genus with only S. angustus and S. hornii in Scutopterus, and M. coriacea, M. lanio and M. imbricata in Meladema. Sharp's classification has been adopted by all subsequent authors. However, Balfour-Browne (1943, p. 172) suggested that Scutopterus (attributed to 'Aubé, 1836') was a junior synonym of Meladema, and provided Neoscutopterus as a new name for Scutopterus sensu Sharp. The synonymy recognized by Balfour-Browne was based on the erroneous assumption that Scutopterus was first made available by Aubé ([1837], p. 94), with the consequence that Crotch's (1873) type designation was accepted as valid.

5. The name Meladema has been in continuous use since Sharp's (1882) monograph (see, for example, Zimmermann, 1920, p. 214; Guignot, 1932, p. 654; Zimmermann &
Gschwendtner, 1936, p. 101; Guignot, 1961, p. 768 and Franciscolo, 1979, p. 615). The name Scuopterus was erroneously applied to the two Nearctic species angustus and horni (see para. 4), until Balfour-Browne (1943) replaced it with Neoscuopterus. Since then Scuopterus has been cited as a junior synonym of Meladema (e.g. Guignot, 1961, p. 768). As Déjean’s senior synonym has been unused since Balfour-Browne (1943), it would seem desirable for stability of nomenclature, as suggested by Nilsson, Roughley & Brancucci (1989, p. 314), to suppress the name Scuopterus Déjean thereby retaining the more familiar name Meladema Laporte.

6. The International Commission on Zoological Nomenclature is accordingly asked:

1. to use its plenary powers to suppress the generic name Scuopterus Déjean, 1833 for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;
2. to place on the Official List of Generic Names in Zoology the name Meladema Laporte, 1835 (gender: feminine), type species by monotypy Meladema coriacea Laporte, 1835;
3. to place on the Official List of Specific Names in Zoology the name coriacea Laporte, 1835, as published in the binomen Meladema coriacea (specific name of the type species of Meladema Laporte, 1835);
4. to place on the Official Index of Rejected and Invalid Generic Names in Zoology the name Scuopterus Déjean, 1833, as suppressed in (1) above.

References


Case 2733

Mycetoporus Mannerheim, 1831 (Insecta, Coleoptera): proposed designation of Tachinus punctus Gravenhorst, 1806 as the type species; proposed conservation of Ischnosoma Stephens, 1829; and proposed precedence of Mycetoporus over Ischnosoma

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Abstract. The purpose of this application is to designate Tachinus punctus Gravenhorst, 1806 as the type species of Mycetoporus Mannerheim, 1831 in accordance with universal understanding and usage. The genus, which is widespread in Europe, Siberia and North America, is included in the large family of rove beetles Staphylinidae. It is proposed that Ischnosoma Stephens, 1829 should also be conserved and that Mycetoporus should be given precedence over Ischnosoma.

1. Stephens (1829a [June], p. 22) introduced the generic name Ischnosoma in a list of British insects; there were ten included species, including Tachinus splendidus and T. punctus, both of Gravenhorst, 1806 (pp. 24 and 27 respectively), and the name is therefore available (Article 12b(5) of the Code). No type species was designated. The name and the list of included species was repeated in Stephens, 1829b ([July], p. 268; see Fletcher in Nye, 1979, p. xv for the dates of publication of Stephens’s works). Subsequently, descriptions of the genus and of the included species were published (Stephens, 1832, p. 168) but again no type was designated.

2. Mannerheim (1831, p. 476) established the generic name Mycetoporus with five included species, including Tachinus splendidus and T. punctus, but did not designate a type. The date of Mannerheim’s work has been variously cited by subsequent authors as 1830 or 1831, with or without reference to the Mémoires présentés à l’Académie Impériale des Sciences de St Pétersbourg. Mannerheim’s paper was presented to members of the Academy in June 1830 and published in vol. 1 of the Mémoires in February 1831. A number of authors have cited the name Mycetoporus from an ‘extract’ from the Mémoires with the date 1830. Blackwelder (1952, p. 465), however, recorded the extract as ‘1831, not 1830’. A review by Audinet-Serville of Mannerheim’s work (as an extract from the Mémoires) appeared in the Bulletin des Sciences Naturelles et de Géologie (vol. 24, pp. 211–236); this included a description of Mycetoporus and was also published in February 1831. Both Sherborn (1928, p. 4224) and Neave (1940, p. 234) listed Mycetoporus Mannerheim as first published in the Mémoires in 1831, which I accept here.

3. Stephens adopted the name Mycetoporus Mannerheim in the second edition (1833, col. 95) of his (1829a) list of insects, treating his own name Ischnosoma as a junior synonym, and in 1835 (p. 434) he noted that ‘the generic name [Mycetoporus] employed is that of Mannerheim, which he characterised previously to the appearance of my
Ischnosoma, and therefore to be adopted’. However, Ischnosoma Stephens was made available in June 1829 (see para. 1), before the publication of Mycetoporus.

4. Gistl (1834, p. 9) established the genus Leichotes and included six species, two of which were *T. splendidus* and *T. punctus*. Blackwelder (1952, p. 212) designated splendidus Gravenhorst, 1806 as the type species of Leichotes, rendering Leichotes a junior subjective synonym of Ischnosoma Stephens, 1829 and Mycetoporus Mannerheim, 1831.

5. Westwood ([1838], p. 19; see Direction 63 (June 1957) for the date of publication) designated *T. splendidus* as the type species of Mycetoporus; the type species designations in Westwood’s *Synopsis of the genera of British insects* were accepted as valid in Opinion 71 (January 1922). Westwood listed Ischnosoma Stephens as a synonym of Mycetoporus. Between 1838 and 1859 Mycetoporus was consistently used as the valid name for the genus in a number of publications, including the important works of Erichson (1839a, p. 411; 1839b, p. 281), Heer (1839, p. 295), Määnlin (1847), Redtenbacher (1849, p. 687; 1858, p. 176), Lacordaire (1854, p. 59), Jacquelin du Val (1856, p. 28) and Kraatz (1857, p. 455).

6. Thomson (1859, p. 47) divided Mycetoporus Mannerheim into two genera, Mycetoporus and Ischnosoma Stephens. He designated ‘*Tachyporus punctus* Gyllenhal, 1810, p. 250’ (that is, *Tachinus punctus* Gravenhorst, 1806) as the type species of Mycetoporus, and ‘*Tachyporus splendidus* Gyllenhal, 1810, p. 249’ (that is, *Tachinus splendidus* Gravenhorst, 1806) as the type species of Ischnosoma, apparently overlooking the earlier designation by Westwood. Thomson’s concept of two genera was followed by Sahlberg (1876, pp. 196–203) and Rey (1883, pp. 68, 110). Other authors retained Thomson’s type species designations but considered Ischnosoma to be a subgenus of Mycetoporus: Fowler (1888, p. 212), Ganglbauer (1895, p. 367), Luze (1901, p. 662), Eichelbaum (1909, p. 201) and Reitter (1909, pp. 99, 100). With a few exceptions noted below, all subsequent authors have either placed all species in Mycetoporus without recognizing subgenera (Horn, 1877, p. 1200; Hatch, 1957) or have followed Fowler and Ganglbauer and treated Ischnosoma as a subgenus of Mycetoporus.

7. Gozis (1886) cited Ischnosoma as a synonym of Mycetoporus and designated Mycetoporus brunneus (Marsham, 1802, p. 524) as the type species of both genera; Mycetoporus brunneus was described by Paykull (1789) as Staphylinus brunneus. These designations are invalid because Staphylinus brunneus was not an originally included species of Mycetoporus and also because of the earlier designations of Westwood ([1838]) and Thomson (1859). Gozis (1886, p. 14) proposed the new name Myteroxis for the genus Ischnosoma as used by Thomson and designated Tachinus splendidus Gravenhorst, 1806 as its type species. Myteroxis is thus a junior objective synonym of Mycetoporus.

8. Strand (1935) argued that Ischnosoma Stephens became available only in 1832, not 1829. He further argued that Ischnosoma Stephens was a junior homonym of Ischnosoma Spix & Agassiz, 1829 (Osteichthyes). Based on these interpretations, Strand (1935, p. 293) proposed the new name *Ischnosomata* to replace the seemingly junior homonym. The fish name Ischnosoma is available (Article 11e) from Cuvier (1829 [before 31 March], p. 328), where ‘Ischnosoma bicirrhosum, Spix, xxv’ was published in the synonymy of Cuvier’s new species Osteoglossum vandelli. The name Ischnosoma appeared on Spix’s plate (1829, pl. 25); Spix & Agassiz’s work was published between 22 May and 4 July 1829 (see Kottelat, 1988, pp. 71, 72, 77 and BZN 46:
independently
ature
established
did
asked:
223;
been
(type
Osteoglossum
synonym
its
Schinomosa
name
by
Osteoglossum
synonym
1831
Tachypoms
1859
(2)
9.
12.
The
Stephens,
the
family
staphylinidae,
Blackwelder
1829,
the
valenciennes
(1847,
pp.
287,
307),
but
Ischnosoma
was
later
synonymized
with
Osteoglossum
(Günther,
1868,
p.
278).
Ischnosoma
has
not
been
used
since
as
a
valid
name
in
ichthyology.
As
stated
in
para.
1,
the
beetle
name
Ischnosoma
Stephens
was
apparently
published
in
June
1829.
Since
the
date
of
the
fish
name
is
probably
earlier
I
propose
that
all
uses
of
Ischnosoma
before
Stephens
(1829)
should
be
suppressed.

9.
Tottenham
(1939)
assumed
that
Westwood
([1838])
had
proposed
T.
splendidus
as
the
type
species
for
both
Mycetoporus
and
Ischnosoma,
rendering
the
two
names
objective
synonyms.
He
recognized
that
Thomson's
(1859)
designation
of
T.
punctus
as
the
type
species
of
Mycetoporus
was
invalid.
He
proposed
(1939,
p.
226)
the
new
name
Schinomosa
for
the
genus
referred
to
by
Thomson
as
Mycetoporus
and
designated
Tachyporus
punctus
(Gyllenhal,
1810;
that
is,
Tachinus
punctus
Gravenhorst,
1806)
as
its
type
species.
This
name
has
not
been
used
except
in
later
papers
by
Tottenham
(1949,
pp.
378,
423;
1956,
p.
231),
and
Blackwelder
(1952,
p.
252)
considered
it
to
be
a
synonym
of
Mycetoporus.

10.
Blackwelder
(1952,
p.
252),
in
his
important
work
on
the
generic
names
of
the
family
staphylinidae,
used
the
name
Mycetoporus
Mannerheim,
1831
for
the
genus,
but
did
not
recognize
subgenera.
He
(1952,
p.
204)
followed
Strand
(1935)
in
assuming
that
the
name
Ischnosoma
Stephens,
1829
was
a
junior
homonym
of
Ischnosoma
Spix,
1829.

11.
A
strict
interpretation
of
the
Code
would
necessitate
using
Ischnosoma
Stephens,
1829
(type
species
Tachinus
splendidus
Gravenhorst,
1806
by
Thomson's
1859
designation)
as
the
name
for
the
nominal
genus,
with
Mycetoporus
Mannerheim,
1831
treated
as
a
junior
objective
synonym.
The
name
Schinomosa
Tottenham,
1939
(type
species
Tachinus
punctus
Gravenhorst,
1806;
see
para.
9)
would
replace
the
long
established
name
Mycetoporus
Mannerheim.

12.
It
is
highly
desirable
to
conserve
the
understood
sense
of
both
Ischnosoma
Stephens,
1829
and
Mycetoporus
Mannerheim,
1831,
as
used
in
the
taxonomic
literature
for
over
130
years
since
Thomson
(1859)
adopted
both
names
as
valid.
Over
150
species
are
placed
in
Mycetoporus,
distributed
primarily
in
the
north
temperate
zone,
but
occurring
in
all
major
faunal
regions
except
South
America.
Ischnosoma
has
been
considered
a
subgenus
of
Mycetoporus
by
most
modern
authors
(Lohse,
1964,
p.
223;
Tichomirova,
1973,
pp.
147–148),
but
a
revision
of
the
North
American
species
of
the
group
(Campbell,
in
preparation)
has
shown
that
the
two
groups
should
be
independently
recognized
at
the
generic
level.

13.
The
International
Commission
on
Zoological
Nomenclature
is
accordingly
asked:

(1)
to
use
its
plenary
powers:
(a)
to
suppress
the
generic
name
Ischnosoma
Cuvier,
1829,
and
all
uses
of
the
name
Ischnosoma
prior
to
Ischnosoma
Stephens,
1829,
for
the
purposes
of
both
the
Principle
of
Priority
and
the
Principle
of
Homonymy;
(b)
to
set
aside
all
fixations
of
type
species
for
the
nominal
genus
Mycetoporus
Mannerheim,
1831
prior
to
the
designation
by
Thomson
(1859)
of
Tachinus
punctus
Gravenhorst,
1806;

(2)
to
place
the
following
names
on
the
Official
List
of
Generic
Names
in
Zoology:
(a)
Mycetoporus
Mannerheim,
1831
(gender:
masculine),
type
species
by
subsequent
designation
by
Thomson
(1859)
Tachinus
punctus
Gravenhorst,
1806, as ruled in (1)(b) above, with the endorsement that it is to be given precedence over *Ischnosoma* Stephens, 1829 whenever the two names are considered to be synonyms;

(b) *Ischnosoma* Stephens, 1829 (gender: neuter), type species by subsequent designation by Thomson (1859) *Tachinus splendidus* Gravenhorst, 1806, with the endorsement that it is not to be given priority over *Mycetoporus* Mannerheim, 1831 whenever the two names are considered to be synonyms;

(3) to place the following names on the Official List of Specific Names in Zoology:

(a) punctus Gravenhorst, 1806, as published in the binomen *Tachinus punctus* (specific name of the type species of *Mycetoporus* Mannerheim, 1831);

(b) splendidus Gravenhorst, 1806, as published in the binomen *Tachinus splendidus* (specific name of the type species of *Ischnosoma* Stephens, 1829);

(4) to place the following names on the Official Index of Rejected and Invalid Generic Names in Zoology:

(a) *Ischnosoma* Cuvier, 1829 (Osteichthyes), as suppressed in (1)(a) above;

(b) *Leichotes* Gistl, 1834 (a junior subjective synonym of *Ischnosoma* Stephens, 1829 and *Mycetoporus* Mannerheim, 1831);

(c) *Myteroxis* Gozis, 1886 (a junior objective synonym of *Mycetoporus* Mannerheim, 1831);

(d) *Ischnosomata* Strand, 1935 (a junior objective synonym of *Ischnosoma* Stephens, 1829);

(e) *Schinomosa* Tottenham, 1939 (a junior objective synonym of *Mycetoporus* Mannerheim, 1831).

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Case 2760

*Rhipidocystis* Jaekel, 1901 (Echinodermata, Eocrinoida): proposed designation of *R. baltica* Jaekel, 1901 as the type species

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Abstract. The purpose of this application is to conserve the Ordovician eocrinoid name *Rhipidocystis* Jaekel, 1901 in its accustomed usage. In 1913 Bather designated *R. gigas* Jaekel, 1901 as the type species. However, this nominal species was composite and Hecker [Gekker] (1940) invalidly designated *R. baltica* Jaekel, 1901 as the type species. It is proposed that Bather’s designation of *R. gigas* be set aside, thereby validating Hecker’s designation of *R. baltica* and conserving *Rhipidocystis* in its accustomed usage.

1. In a paper published early in 1901, although date-marked 1900, Jaekel established the genus *Rhipidocystis* (p. 672) with two new species, *R. baltica* and *R. gigas*, neither of which was given as the type species. *R. baltica* was named in the description of text-fig. 3 (p. 665) which Jaekel thought to be a stem appendage; this is the only text-figure relevant to *Rhipidocystis*. The second species, *R. gigas*, was briefly described in the text (p. 672).

2. Bather (1913, p. 371) examined the original specimens which Jaekel had attributed to *Rhipidocystis gigas* and which had been collected from several different localities. Bather had some doubts whether they all belonged to *R. gigas* (‘I do not know on what evidence Specimen 4 is placed in the same species, or indeed in the same genus as the others; but I assume that material evidence does, or did, exist’). He thought that *R. baltica* was probably conspecific with *R. gigas* and (p. 369) designated *R. gigas* as the type species of *Rhipidocystis*. Hecker (1940, p. 16), without mentioning Bather’s designation of a type species, designated *R. baltica*. In the Treatise on Invertebrate Palaeontology, Ubaghs (1968, p. S489) accepted Bather’s designation of *R. gigas* as the type species. Bockelie (1981, pp. 141, 146) also accepted Bather’s designation.

3. Hecker [Gekker] (1938, p. 421) demonstrated that Jaekel’s genus *Rhipidocystis* was composite, being based on parts from four different genera:

(a) The ‘thecae’ consisted of fragments of the ophiocistoid *Volchovia* Hecker, 1938 and thecae of the eocrinoid *Bockia* Hecker, 1938.

(b) The ‘stem joints’ belonged to the solute *Dendrocystites kuckersianus* Hecker, 1938, transferred by Gill & Caster (1960, p. 16) to their new genus *Heckericystis*.

(c) The ‘root bladders’ (Wurzelblasen) were representatives of *Bockia*.

(d) The ‘stem appendages’ (Stielanhänge) on which *R. baltica* Jaekel was based were eocrinoid, and Hecker restricted *Rhipidocystis* to this sense.

4. If the nominal species *R. gigas* were to remain as the type species of *Rhipidocystis*, the concept of the four genera *Rhipidocystis*, *Volchovia*, *Heckericystis* and *Bockia*
would change from the present. The alternative, which I favour, would be to set aside
Bather’s designation of *R. gigas* as the type species of *Rhipidocystis* and to accept
Hecker’s (1940) designation of *R. baltica*.

5. The International Commission on Zoological Nomenclature is accordingly
asked:

(1) to use its plenary powers to set aside all fixations of type species for the nominal
genus *Rhipidocystis* Jaekel, 1901 prior to that by Hecker (1940) of *Rhipidocystis baltica*
Jaekel, 1901;

(2) to place on the Official List of Generic Names in Zoology the name *Rhipidocystis*
Jaekel, 1901 (gender: feminine), type species by subsequent designation by
Hecker (1940) *Rhipidocystis baltica* Jaekel, 1901;

(3) to place on the Official List of Specific Names in Zoology the name *baltica*
Jaekel, 1901, as published in the binomen *Rhipidocystis baltica* (specific name of the type
species of *Rhipidocystis* Jaekel, 1901).

Acknowledgements
I am sincerely grateful to Prof R.Th. Hecker, Prof G. Ubaghs and Dr G. Sprinkle for
discussion of this case, and for Dr Sprinkle’s help in improving the English of the
application.

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Case 2815

Graptolithus clintonensis (currently Monograptus clintonensis; Graptolithina): proposed attribution to Hall, 1852, and designation of a lectotype

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Abstract. The purpose of this application is to conserve in its accepted usage the specific name of the Silurian graptolite Monograptus clintonensis. In 1843 Hall established the nominal species clintonensis but figured a specimen of Monograptus priodon (Bronn, 1835). Hall later (1852) described the diagnostic characters of clintonensis and figured specimens agreeing with those characters. It is proposed that the nominal species clintonensis be attributed to Hall, 1852, and that one of the specimens figured in his 1852 paper be designated the lectotype.

1. Hall (1843, pp. 74–75, fig. 12 on p. 72) described Graptolites clintonensis from the ‘upper green shale at Sodus, Williamson, Rochester, and numerous intermediate points’ in New York State, and indicated that the new specific name referred to his figured specimen. His brief description could apply to any monograptid with hooked thecae. His figured specimen, housed in the American Museum of Natural History, New York (specimen no. 30956), is from Shaker’s Mill, Sodus, Wayne County, New York. I have examined this specimen, which is an example of Monograptus priodon (Bronn, 1835) (p. 56).

2. Hall later (1852, p. 39) described and figured further specimens which he described as Graptolithus clintonensis from Sodus, Williamson and Rochester. His diagnosis for the species stated ‘serrae long, deeply cut into the stipe’. This feature is not characteristic of M. priodon, the thecae (‘serrae’) of which overlap for one-half or more of their length distally and the metathecal hooks of which comprise less than half of the dorso-ventral width of the rhabdosome, the protheca being approximately parallel to the rhabdosome axis. Hall (1852, p. 39) noted that one of the ‘distinctive characters’ of the thecae (‘serrae’) of Graptolithus clintonensis was ‘the depth to which they are cut into the stipe’. Hall (1852, pl. A17, figs. 1a–h) figured five specimens which are housed in the American Museum of Natural History (specimen nos. 30951–30952, 30954–30956). I have examined these specimens, which are of two species. Distal fragments of M. priodon are figured in figs. 1b (specimen no. 30956, which is the specimen figured in 1843), 1c (specimen no. 30952) and 1g–h (stated in the records of the American Museum of Natural History to be specimen no. 30955 — if so, the figures are not accurate representations of the specimen). The specimens figured in fig. 1a (specimen no. 30951) and figs. 1d–f (specimen no. 30954) are of a different species and match precisely, in terms of thecal morphology, Hall’s 1852 description of Graptolithus clintonensis.
3. Lapworth (1880, p. 69) discussed the species and stated: ‘As regards *M. clintonensis*, Hall, the differences [from *M. priodon*] are so marked that the question of identity may soon be disposed of’. He noted that the distal thecae of what he considered to be *M. clintonensis* were ‘wholly destitute of anything like overlap’.

4. Ruedemann (1908, pp. 450–453, text figs. 427–431, pl. 29, fig. 1) described new material of *M. clintonensis* from New York. His description combined features which agreed with Hall’s 1852 description of *M. clintonensis* (proximally) and those of *M. priodon* (distally). I have examined Ruedemann’s figured material which is housed in the New York State Museum, Albany (specimen nos. 7309–7313). Specimen no. 7309 (text fig. 427) is a distal fragment of *M. priodon*. The other specimens agree with Hall’s 1852 description of *M. clintonensis*. These include specimen no. 7313 (pl. 29, fig. 1) which Ruedemann described as a typical specimen. Ruedemann later (1947, pl. 85) used copies of his 1908 figures to illustrate *M. clintonensis*. He again described specimen no. 7313 (pl. 85, fig. 48) as a typical specimen.

5. To summarise, the specific name *clintonensis* has been used for two species. The specimens figured by Hall (1852) in pl. A17, figs. 1a and 1d–f and the specimen figured by Ruedemann (1908, 1947) as a ‘typical specimen’ agree with Hall’s 1852 description of *clintonensis*. Some distal fragments (including that figured by Hall, 1843, fig. 12) are specimens of *M. priodon*. *Monograptus clintonensis* has not been recorded from outside North America. However, I have recently found this distinctive species in collections I have made in Wales, suggesting that it may be of value in international correlation.

6. It is desirable that Hall’s specific name *clintonensis* should be retained for those specimens which agree with his 1852 description of the species. I therefore propose that the specific name *clintonensis* be attributed to Hall, 1852. Subject to acceptance of this proposal, I designate as lectotype the specimen figured by Hall, 1852, pl. A17, fig. 1a, which is the longest of his figured specimens. This is specimen no. 30951 in the American Museum of Natural History, New York; it is from Shaker’s Mill, Sodus, Wayne County, New York.

7. The International Commission on Zoological Nomenclature is accordingly asked:

1. to use its plenary powers to suppress the specific name *clintonensis* Hall, 1843, as published in the binomen *Graptolites clintonensis*, and all uses of that name prior to the publication of *Graptolithus clintonensis* Hall, 1852, for the purposes of both the Principle of Priority and the Principle of Homonymy;

2. to place on the Official List of Specific Names in Zoology the name *clintonensis* Hall, 1852, as published in the binomen *Graptolithus clintonensis* and as defined by the lectotype designated in para. 6 above;

3. to place on the Official Index of Rejected and Invalid Specific Names in Zoology the name *clintonensis* Hall, 1843, as published in the binomen *Graptolites clintonensis* and as suppressed in (1) above.

References


Case 2826

Monograptus crenulatus (currently Monoclimacis crenulata; Graptolithina): proposed attribution of the specific name to Elles & Wood, 1911, and proposed designation of a lectotype

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Abstract. The purpose of this application is to conserve in its accepted usage the specific name of the Silurian graptolite Monograptus crenulatus. Tornquist (1881) established the nominal species crenulatus and Elles & Wood (1911) used his name for specimens from Wales which have since been shown to be non-conspecific with Tornquist’s species, which is a synonym of Monograptus vomerinus vomerinus (Nicholson, 1872). Monograptus crenulatus sensu Elles & Wood gives its name to the important Monoclimacis crenulata Biozone. It is proposed that the nominal species crenulatus be attributed to Elles & Wood, 1911, and that one of the specimens figured by them be designated lectotype.

1. Tornquist (1881, pp. 438, pl. 17, figs. 4a–d) described a new species Monograptus crenulatus from the ‘retiolitesskiffern’ (Silurian) of Nitsjö and Stygforsen, Sweden.

2. Wood (1906, p. 657) erected the Monograptus crenulatus Biozone, the type locality being the Trannon River section in Wales.

3. Elles & Wood (1911, pp. 412–413, text figs. 278a–e, pl. 41, figs. 4a–d) in their Monograph of British Graptolites described and figured specimens which they named Monograptus vomerinus (Nicholson, 1872) var. crenulatus (Tornquist). All the specimens figured, except that figured as pl. 41, fig. 4d, were from Wood’s (1906) collections from the Trannon district. This monograph, published between 1901 and 1918, became the standard guide for graptolite identification for the 50 years subsequent to its publication and is still widely used.

4. Prior to 1970 Elles & Wood’s specimens of Monograptus crenulatus had been universally accepted as specimens of M. crenulatus Tornquist. References to M. crenulatus during this period are based on Elles & Wood’s (1911) description (e.g.
Pribyl, 1940, pp. 7–8, pl. 2, figs. 17–18; Waterlot, 1945, p. 76, fig. 323 (pars); Münch, 1952, p. 120, pl. 38, figs. 6a–b; Romariz, 1962, pp. 264–265, pl. 13, fig. 19.

5. In 1970 Rickards (p. 177) questioned the validity of Törnquist’s species *Monoclimacis crenulata*, and referred to *Monoclimacis crenulata* sensu Elles & Wood. Bjerreskov (1975, pp. 56–57) measured specimens of *Monograptus crenulatus* Törnquist from the type areas of Nittsjö and Stygford. She concluded: ‘These specimens have measurements so close to those of *Monograptus vomerinus vomerinus* and a revision will probably show that they have to be included in this species. However, *M. crenulatus* sensu Elles & Wood is quite different from *M. vomerinus vomerinus*, and this form should be maintained as a separate species or subspecies’.

6. Examination by one of us (D.K.L.) of the type material of *Monoclimacis crenulata* (Törnquist) and of the neotype of *Monoclimacis vomerina vomerina* confirms that, contrary to Elles & Wood’s thinking, the two are conspecific. This neotype was selected by Strachan (1971, p. 65) as BU 1542, housed in the Lapworth Museum of Birmingham University, and figured by Elles & Wood (1911, pl. 41, fig. 1a); it is from the Riccarton Beds of Ellistsfield, S. Scotland.

7. *Monoclimacis crenulata* (sensu Elles & Wood) has been used widely as an indicator of the *Monoclimacis crenulata* Biozone. Rickards (1976, p. 166) noted that the recognition of the *M. crenulata* Biozone was based largely on the occurrence of *M. crenulata* (sensu Elles & Wood). Cocks et al. (1984, p. 173, fig. 69) included the *M. crenulata* Biozone as part of the ‘standard scale of graptolite zones’ in their paper *The Llandovery Series of the Type Area*. Rickards (1989, p. 269, fig. 169), in *A global standard for the Silurian System*, included the *Monoclimacis crenulata* Biozone in his table of biozones ‘most widely in use in international correlation’.

8. It is desirable to retain the accepted usage of the species *Monoclimacis crenulata* and of the *Monoclimacis crenulata* Biozone. We therefore propose that the specific name *crenulata* be attributed to Elles & Wood (1911) and not to Törnquist (1881). Subject to acceptance of this proposal, we select the specimen figured by Elles & Wood (1911) as text fig. 278a as the lectotype of *Monograptus crenulatus* Elles & Wood, 1911. This specimen, from Wood’s (1906) collection of graptolites from the Trannon area, is housed in Birmingham University, where it is registered as BU 1555 (see Strachan, 1971, p. 108).

9. The International Commission on Zoological Nomenclature is accordingly asked:

1) to use its plenary powers to suppress the specific name *crenulatus* Törnquist, 1881, as published in the binomen *Monograptus crenulatus*, and all uses of that name prior to its publication by Elles & Wood (1911), for the purposes of both the Principle of Priority and the Principle of Homonymy;

2) to place on the Official List of Specific Names in Zoology the name *crenulatus* Elles & Wood, 1911, as published in the trinomen *Monograptus vomerinus crenulatus* and as defined by the lectotype designated in para. 8 above;

3) to place on the Official Index of Rejected and Invalid Specific Names in Zoology the name *crenulatus* Törnquist, 1881, as published in the binomen *Monograptus crenulatus* and as suppressed in (1) above.

References


Case 2797

Scyliorhinus atlanticus Koefoed, 1927 (currently Apristurus atlanticus; Chondrichthyes, Carcharhiniformes): proposed conservation of the specific name

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Abstract. The purpose of this application is to conserve the specific name of Apristurus atlanticus (Koefoed, 1927), which is currently in use for an Atlantic scyliorhinid (catshark). The name is threatened by the unused senior synonym Scyllium? spinacipellitum Vaillant, 1888.

1. Vaillant (1888, p. 60, pl. 1, figs. 3, 3a and 4) described two species of scyliorhinid sharks, Scyllium? spinacipellitum and S. acutidens, from deep waters off the Canary Islands. The types of these two species (MNHN 1884-384 and MNHN 1884-385) are preserved in the collection of the Muséum National d’Histoire Naturelle, Paris. Close examination of the type specimen (MNHN 1884-384) of S. spinacipellitum caused us (Nakayama & Séret, 1989, p. 977) to synonymize Vaillant’s species with Scyliorhinus atlanticus Koefoed, 1927 (p. 18). It may be noted in passing that Scyliorhinus is an old unjustified emendation of Scyllorhinus Blainville, 1816.

2. The specific name spinacipellitum has never been used as a valid name since 1888. Bertin (1939, p. 68, footnote 1) mentioned the name in a catalogue of the type specimens in the Muséum National d’Histoire Naturelle. Fowler (1967, p. 356) doubtfully included S. spinacipellitum in the synonymy of Scyliorhinus canicula (Linnaeus, 1758), and that synonymy was followed by Compagno (1984, p. 358; 1988, p. 122). We have been unable to find any other mention of the name spinacipellitum.

3. The name Apristurus atlanticus (Koefoed, 1927) has been used in such taxonomic works as Bigelow & Schroeder (1944, p. 22; 1948, p. 220), Bigelow, Schroeder & Springer (1953, p. 217), Cadenat & Maul (1966, p. 778), Springer (1966, p. 613; 1979, p. 14), Taylor (1972, p. 71), Nakaya (1975, p. 23), Cadenat & Blache (1981, p. 185), Compagno (1984, p. 261; 1988, p. 168), Gubanov, Kondurin & Myagkov (1986, p. 92) and also in popular books such as Ellis (1983), Reader’s Digest (1986) and Springer & Gold (1989). Hence the name A. atlanticus is commonly used whereas S. spinacipellitum has almost never been mentioned. Use of the name S. spinacipellitum would cause confusion and disturb the stability of nomenclature for this species.
4. The International Commission on Zoological Nomenclature is accordingly asked:
(1) to use its plenary powers to suppress the specific name *spinacipellitum* Vaillant, 1888, as published in the binomen *Scyllium? spinacipellitum*, for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;
(2) to place on the Official List of Specific Names in Zoology the name *atlanticus* Koefoed, 1927, as published in the binomen *Scylliorhinus atlanticus*;
(3) to place on the Official Index of Rejected and Invalid Specific Names in Zoology the name *spinacipellitum* Vaillant, 1888, as published in the binomen *Scyllium? spinacipellitum* and as suppressed in (1) above.

References


Case 2807

*Dinodontosaurus* Romer, 1943 (Reptilia, Synapsida): proposed conservation

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**Abstract.** The purpose of this application is to conserve the Triassic dicynodont name *Dinodontosaurus* Romer, 1943 by suppression of the virtually unused senior subjective synonym *Diodontosaurus* Caldas, 1936.


2. Caldas (1936, p. 249) established the new genus and species *Diodontosaurus pedroanum* for the skull of a dicynodont reptile collected from the same strata as Huene’s near São-Pedro, Rio-Grande-do-Sul, Brazil. Caldas described and illustrated the holotype skull of *Diodontosaurus pedroanum* and made it clear that he was naming a new taxon which he contrasted with two other dicynodont taxa. Under Article 13 of the Code, this is fully adequate to make *Diodontosaurus pedroanum* an available name. *Diodontosaurus pedroanum* is the type species of *Diodontosaurus* by monotypy. The holotype skull of *D. pedroanum* is extant and is registered as DGM no. 530R (Divisão de Geologia e Mineralogia, Ministerio das Minas e Energia, Rio de Janeiro, Brazil). It has been illustrated by Beltrão (1966, fig. 34) and Cox (1968, figs. 5E, 8E).

3. Romer (1943, p. 336) established the new genus and species *Dinodontosaurus oliveirai* for a dicynodont skeleton from the same Triassic strata in the same general area from which Huene’s and Caldas’s specimens were derived.

4. Cox (1965, pp. 475–476) transferred *Dicyodon tertpior* to *Dinodontosaurus* Romer, thus creating the new combination *Dinodontosaurus turpior* (Huene, 1935). He also considered *Dinodontosaurus oliveirai* to be a junior subjective synonym of *Dinodontosaurus turpior*. Cox stated that the type species of *Dinodontosaurus* was *D. tertpior*. This is incorrect in that, in accordance with Articles 67 and 68, the type species is *D. oliveirai*, which is a junior subjective synonym of *D. tertpior*.

5. Cox (1968, p. 9) acknowledged the existence of the name *Diodontosaurus pedroanum* Caldas, and considered its holotype to be a specimen of *Dinodontosaurus turpior*. He asserted that ‘Tupi Caldas’s description is so brief and so poorly illustrated that it cannot be regarded as a satisfactory basis for the identification of a new taxon, and *Dinodontosaurus [sic] pedroanum* must therefore be regarded as a nomen nudum’.

Diodontosaurus and *Diodontosaurus pedroanum* as names distinct from *Dinodontosaurus* and *Dinodontosaurus turpior*.

6. *Dinodontosaurus* Romer, 1943 and *turpior* Huene, 1935 are widely recognized as the valid names for the Brazilian Triassic dicynodont described by Huene (1935), Caldas (1936) and Romer (1943). These names have been used in lists and research papers by, for example, Anderson & Cruickshank (1978, p. 35), Barberena, Araujo & Lavina (1985, p. 14) and Ochev & Shishkin (1989, p. 163); a representative list of 17 further papers is held by the Commission Secretariat. *Dinodontosaurus* has given its name to the subfamily *DINODONTSOURINAE* Keyser & Cruickshank, 1979. I am not aware of the use of the name *Diodontosaurus* in publications other than those cited in paras. 2 and 5 above.

7. Strict application of the Principle of Priority would recognize *Diodontosaurus pedroanum* Caldas, 1936 as a senior subjective synonym of *Dinodontosaurus oliveirai* Romer, 1943. *Dinodontosaurus* would become the valid name, thereby replacing a widely accepted generic name with a virtually forgotten name that differs by only a single letter.

8. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to suppress the generic name *Diodontosaurus* Caldas, 1936 for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;

(2) to place on the Official List of Generic Names in Zoology the name *Dinodontosaurus* Romer, 1943 (gender: masculine), type species by monotypy *Dinodontosaurus oliveirai* Romer, 1943 (a junior subjective synonym of *Dicynodon turpior* Huene, 1935);

(3) to place on the Official List of Specific Names in Zoology the name *turpior* Huene, 1935, as published in the binomen *Dicynodon turpior* (senior subjective synonym of the specific name of *Dinodontosaurus oliveirai* Romer, 1943, the type species of *Dinodontosaurus* Romer, 1943);

(4) to place on the Official Index of Rejected and Invalid Generic Names in Zoology the name *Diodontosaurus* Caldas, 1936, as suppressed in (1) above.

References


Case 2785

*Palaeopropithecus ingens* G. Grandidier, 1899 (Mammalia, Primates): proposed conservation of both generic and specific names

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Abstract. The purpose of this application is to conserve the generic and specific names of *Palaeopropithecus ingens* G. Grandidier, 1899, universally in use for a subfossil lemur from Madagascar. The names are threatened by the unused senior subjective synonyms *Thaumastolemur* Filhol, 1895 and *T. grandieri* Filhol, 1895.

1. Filhol (1895, p. 13) proposed the new generic and specific names *Thaumastolemur grandidieri* for a primate on the basis of a distal humeral fragment recovered in 1868 by Alfred Grandidier at the subfossil site of Ambolisatra, in southwestern Madagascar.

2. Guillaume Grandidier (1899, p. 345, fig. on p. 346) proposed the name *Palaeopropithecus ingens* for a partial mandible from the nearby site of Belo-sur-Mer and in 1900 (p. 216) added to the hypodigm further mandibular fragments from Ambolisatra. Since that time authors have universally used the name *Palaeopropithecus ingens* for the species represented by the mandibular specimens from Belo and Ambolisatra, and an extensive literature has accumulated that employs this name.

3. In 1902 (p. 498) G. Grandidier synonymised *Thaumastolemur grandidieri* with the prior name *Megaladapis madagascariensis* Major, 1894 (p. 16, based on a nearly complete skull and mandible of another taxon, a large subfossil lemuroid from Ambolisatra). Grandidier repeated this synonymy in 1905 (p. 54). Between the latter date and 1990 the name *Thaumastolemur grandidieri* was to our knowledge never used once apart from being listed as a junior synonym of *M. madagascariensis*. Trouessart (1897, p. 54) seems to have been the last author to cite *Thaumastolemur* as a valid name. The holotype of Filhol’s species apparently went unstudied subsequent to its mention by Grandidier (1905).

4. In later years the formerly vexed question of the association of the cranial and postcranial elements of the skeleton of *Palaeopropithecus* was satisfactorily resolved
both by the efforts of Carleton (1936) and Lamberton (see, for example, 1947), and by the discovery of an almost complete associated skeleton (MacPhee et al., 1984).

5. Recently, Vuillaume-Randriamanantena (1990) has relocated the holotype distal humerus of Filhol’s (1895) *Thaumastolemur grandidieri*, no. 1906–17 in the collections of the Institut de Paléontologie in Paris. Her study of this element shows that, rather than belonging to *Megaladapis madagascariensis*, it represents the species known universally in the literature of this century as *Palaeopropithecus ingens*.

6. If this conclusion is accepted, as we believe proper, *Palaeopropithecus ingens* G. Grandidier, 1899 becomes a junior subjective synonym of *Thaumastolemur grandidieri* Filhol, 1895. However, allowing Filhol’s never-used name to replace the long-entrenched *Palaeopropithecus ingens* would result in considerable confusion, and would violate the criteria of stability of nomenclature (Articles 23b and 79c of the Code). This is particularly the case since the name *Palaeopropithecus* is not only widely cited in the specialized systematic literature but appears in literally hundreds of citations in the extensive secondary literature, in several languages, on primate biology. Among major primary works using the name *Palaeopropithecus* are Standing (1908), Saban (1963) and Tattersall (1982). Texts and works of reference in wide current use that employ this nomenclature include Simons (1972), Fleagle (1988) and Martin (1990). A list of a further 19 references showing usage of the name is held by the Commission Secretariat.

7. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to suppress the following names for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:
(a) the generic name *Thaumastolemur* Filhol, 1895;
(b) the specific name *grandidieri* Filhol, 1895, as published in the binomen *Thaumastolemur grandidieri*;

(2) to place on the Official List of Generic Names in Zoology the name *Palaeopropithecus* G. Grandidier, 1899 (gender: masculine), type species by monotypy *Palaeopropithecus ingens* G. Grandidier, 1899;

(3) to place on the Official List of Specific Names in Zoology the name *ingens* G. Grandidier, 1899, as published in the binomen *Palaeopropithecus ingens* (specific name of the type species of *Palaeopropithecus* G. Grandidier, 1899);

(4) to place on the Official Index of Rejected and Invalid Generic Names in Zoology the name *Thaumastolemur* Filhol, 1895, as suppressed in (1)(a) above;

(5) to place on the Official Index of Rejected and Invalid Specific Names in Zoology the name *grandidieri* Filhol, 1895, as published in the binomen *Thaumastolemur grandidieri* and as suppressed in (1)(b) above.

References


A comment on this application by E. Delson *et al.* appears on *BZN* 49: 73.
Case 2770

*Hylobates enteloides* I. Geoffroy Saint-Hilaire, 1842 (Mammalia, Primates): proposed conservation of the specific name

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Abstract. The purpose of this application is to conserve the specific name of *Hylobates enteloides* I. Geoffroy Saint-Hilaire, 1842, currently in use for the white-handed gibbon of south-west Thailand and Tenasserim (Burma, or Myanmar). The name has been placed on the Official List of Specific Names in Zoology (Opinion 1219) but is threatened by two senior subjective synonyms, *Simia longimana* Schreber, [1774] and *S. albimana* Vigors & Horsfield, 1828.

1. The generic name *Hylobates* Illiger, 1811 (p. 67) was placed on the Official List of Generic Names in Zoology in Opinion 122 (January 1931). Subsequently, the specific name of *Homo lar* Linnaeus, 1771 (p. 521), the type species of *Hylobates* by monotypy, was placed on the Official List of Specific Names (Direction 22, November 1955). In Opinion 1219 (September 1982; see also BZN 35: 197–198) a neotype for *Homo lar* was designated under the plenary powers which attached the name to the Malayan white-handed gibbon (the 'petit gibbon' of Buffon, 1766, pl. 3), type locality 'Malacca', in accordance with current understanding and usage. The specific name of *Hylobates enteloides* I. Geoffroy Saint-Hilaire, 1842 (p. 717), currently in use for the white-handed gibbon of Thailand and Tenasserim (the 'grand gibbon' of Buffon, 1766, pl. 2), was also placed on the Official List in Opinion 1219. However, the name *enteloides* has two senior subjective synonyms and this problem has so far not been resolved. The name is currently used as a subspecies of *Hylobates lar* (Linnaeus).

2. In his description of *Homo lar* Linnaeus (1771) cited two previous references:
   Gibbon. Buff. anim. XIV. p. 92. t. 2, 3?’.
The second of these citations refers to Buffon’s two plates (1766, pls. 2 and 3) which were reproduced in Schreber ([1774], p. 67, pl. 3; see Sherborn, 1891, p. 588 for the date of publication) under the name *Simia longimana*; Schreber’s specific name is therefore a junior subjective synonym of *Homo lar* Linnaeus, 1771. Latreille (1804, p. 276) was the first to separate Buffon’s large and small gibbons, undifferentiated by Linnaeus and Schreber, into separate taxa, referring to the former as *Pithecos lar* Linnaeus and the
latter by a new name, *P. varius*. The attachment of the name *lar* to the Malayan white-handed gibbon in Opinion 1219 renders *lar* a senior subjective synonym of *varius* Latreille, 1804, and also of *P. variegatus* Geoffroy Saint-Hilaire, 1812 (p. 88), a name which was also proposed for Buffon’s small gibbon (see Groves, 1972, p. 12).

3. 1. Geoffroy Saint-Hilaire (1842, p. 717) described *Hylobates entelloides*, the name currently in use for the Thailand subspecies of white-handed gibbon, on three individuals of different ages and sexes collected by a missionary, Monsieur Barre, from ‘la presqu’île Malaise, le douzième degré de latitude nord’. Saint-Hilaire (1851) listed the syntypes in the Musée d’histoire Naturelle in Paris and noted that two of the specimens (mounted) had been illustrated (Saint-Hilaire, [1843], pp. 532–535, pl. 29). Rode (1938, p. 205) also listed the syntypes and noted one (no. 4a, adult male) as the ‘holotype’; this does not constitute designation of a lectotype (Article 72b(vii)). Groves (1972, p. 13) reported that ‘the type skin appears to be no longer extant’. However, a further search by one of us (C.P.G.) has since confirmed that the specimens listed by Rode (an adult male with a young male clinging to it, and an adult female) are in fact still present in the type collection of the Museum in Paris, and that they are indeed specimens (in pale colour phase) of the taxon described by Groves (1972) as *Hylobates lar entelloides*. In his revision of the *Hylobatidae*, Groves (1971, pp. 74–75) considered that *Simia longimana* Schreber, [1774] was not only a junior synonym (in part) of *Homo lar* but was also a senior subjective synonym (in part) of *Hylobates entelloides*. With the exception of the invalid use of *longimana* by Simonetta (1957, p. 62) to include the Malayan and Sumatran white-handed gibbons the name has not been used since Schreber’s [1774] publication and we propose that it be suppressed.

4. The nominal species *Simia albimana* Vigors & Horsfield, 1828 (pp. 107–109) was based on two specimens from the ‘Sumatra collection’ presented to the museum of the Zoological Society of London by Sir Thomas Stamford Raffles. One syntype, a skin with skull, is now in the collections of the Natural History Museum, London, specimen no. BM(NH) 1855.12.24.6, but the whereabouts of the other syntype is unknown. The date of publication for the name *albimana* given by Gray ([1871], p. 10) as ‘Horsf. Zool. Journ. 1820’, and repeated by Simonetta (1957, p. 63), was an error since the Zoological Journal was published from 1824 to 1835. The name *albimana* has been used to refer to the white-handed gibbon of north Sumatra (Chenu, [after 1850], p. 67, pl. 10 bis; Kloss, 1929, p. 118; Miller, 1942, p. 131) but Fooden (1969, p. 629) and Groves (1972, p. 12) considered the type locality given for *albimana* to be incorrect. Fooden thought the species was more likely to be Malayan but Groves (1972, p. 12), following an examination of the existing syntype, considered it to be a specimen of the species from Tenasserim and southern Thailand. The name *albimana* is thus a senior subjective synonym of *Hylobates entelloides* I. Geoffroy Saint-Hilaire, 1842 and we propose that it be preserved to conserve the much used name *entelloides*. To adopt *albimana* for the Thailand subspecies would be destabilising and would result in considerable confusion, particularly as the name has been used in the past for a Sumatran gibbon. Since Groves’s (1972) work no author has adopted the name *albimana* for the Thailand gibbon and the next available name for the northern Sumatran gibbon, *Hylobates lar vestitus* (Miller, 1942) (p. 131; described as *H. albimamus vestitus*), has been universally used (see the references cited below).

5. The name *entelloides* I. Geoffroy Saint-Hilaire, 1842 is universally in use for the white-handed gibbon from Thailand and Tenasserim and appears in works on primate

6. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to suppress the following specific names for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:
   (a) longimana Schreber, [1774], as published in the binomen Simia longimana;
   (b) albimana Vigors & Horsfield, 1828, as published in the binomen Simia albimana;

(2) to place on the Official Index of Rejected and Invalid Specific Names in Zoology the following names:
   (a) longimana Schreber, [1774], as published in the binomen Simia longimana and as suppressed in (1)(a) above;
   (b) albimana Vigors & Horsfield, 1828, as published in the binomen Simia albimana and as suppressed in (1)(b) above.

References


Comment on the article Problems in the Nomenclature of Higher Taxonomic Categories by Ya.I. Starobogatov
(See BZN 48: 6–18)

A.P. Rasnitsyn
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I consider the proposals by Starobogatov (1991) to be important and timely, and I agree with them with a single though important reservation. I feel a mistake the proposition (BZN 48: 13) to allow formal availability of a descriptive (non-typified) name with its author and date, for this will prevent its replacement by the typified name. Indeed, under this proposal the typified name will be a junior synonym of the descriptive name. Until the names of higher taxa are entirely regulated by the Code the current practice is better, that is the use of descriptive names despite their having no formal availability.

Additionally, I think that hemihomonymy (see pp. 8–9) would be more securely avoided if suprageneric names ended in -i and -ae, not -es.

Comments on the proposed conservation in their accepted usage of the nominal taxa Bucephalus Baer, 1827 and B. polymorphus Baer, 1827 (Trematoda)
(Case 2251; see BZN 36: 30–36, 49: 6–11)

Editorial Note: A detailed comment opposing Dr Baturo’s application was received from Dr Srivastava (Zoological Survey of India) on 5 January 1981. Extensive correspondence took place between Dr Srivastava, Mr R.V. Melville (then Secretary of the Commission) and Dr Baturo between January 1981 and April 1985. A condensed version of Dr Srivastava’s comments is now published for the first time. Comments in support of Dr Baturo’s application from Dr D.I. Gibson (Head of the Parasitic Worms Division, The Natural History Museum, London), from Dr O.N. Pugachëv (Head of the Parasitic Worms Department, Zoological Institute, Academy of Sciences, St Petersburg) and from Professor J.C. Pearson (Professor of Helminthology, Department of Parasitology, University of Queensland) are also published. Dr Gibson’s comment takes recent usage into account.

(1) C.B. Srivastava
Zoological Survey of India, 8 Lindsay Street, Calcutta-16, India

This comment opposes Dr Baturo’s application to conserve the generic name Bucephalus Baer, 1827, with type species B. polymorphus Baer, 1827 in place of Gasterostomum Siebold, 1848, with type species G. fimbriatum Siebold, 1848, and to use Rhipidocotyle Diesing, 1858, with type species R. galeatum (Rudolphi, 1819) in place of Bucephalus Baer, 1827, with type species B. polymorphus Baer, 1827. The history of the confused classification of bucephalid trematodes shows that application of the normal rules of zoological nomenclature is more desirable than invoking the plenary powers of the Commission to stabilise the systematics of this group.
Stunkard (1976, p. 309), while discussing the systematic of these trematodes, remarked: "The taxonomy of the bucephalid trematodes is complicated because of unsupported and unwarranted presumptions between larval and adult stages". He further stated (p. 313): "The status of Bucephalus polymorphus von Baer, 1827 and Gasterostomum fimbriatum von Siebold, 1848, long regarded as specifically identical, and the only bucephalid species in freshwater hosts in Europe, is equivocal. Bucephalus polymorphus is the name of a cercaria whose adult stage is yet to be disclosed and the larval stages of G. fimbriatum are unknown".

Baturo (1977), while working on freshwater fish parasites of Goslawickie and Slesinske Lakes (Central Poland), collected bucephalid sporocysts and cercariae from the bivalve Dreissena polymorpha, completed their development and found that they developed into adults resembling Gasterostomum fimbriatum Siebold, 1848 which, on account of misconceptions by earlier workers, is known as Bucephalus polymorphus Baer, 1827. These larval stages, though, did not correspond to the cercaria described by Baer (1827) under the name Bucephalus polymorphus, yet Baturo (1977) put them under this name. She found sporocysts and cercariae of another bucephalid parasitising the bivalve Unio pictorum in Lake Slesinske, which were identical with those described by Baer (1827) as Bucephalus polymorphus from Unio pictorum and Anodonta mutabilis in European freshwaters. She completed the life history of these larval stages and found that they developed into adult Rhipidocotyle illensis (Ziegler, 1883), a fact already suspected by Ziegler (1883). Baturo wrongly named this cercaria as Rhipidocotyle illensis instead of Bucephalus polymorphus, thus further complicating the confused status of bucephalid worms. In following the rules of zoological nomenclature, Baturo (1977) should have adopted the genus Gasterostomum Siebold, 1848, with its type species fimbriatum and relegated the genus Rhipidocotyle Diesing, 1858 and the species Rhipidocotyle illensis (Ziegler, 1883) (= Distoma campanula Dujardin, 1845) to the synonymy of the genus Bucephalus Baer, 1827 and the species B. polymorphus Baer, 1827. Instead of following this normal procedure she appealed to the International Commission on Zoological Nomenclature, in the name of stability, to disregard the ‘forgotten’ name Gasterostomum with its type species fimbriatum.

The generic name Bucephalus with its type species polymorphus was based on the larval form, whereas the genus Gasterostomum with its type species fimbriatum was described on adult worms. Synonymy was based on the erroneous assumption that the larva Bucephalus polymorphus develops into the adult Gasterostomum fimbriatum. Under Article 23f(ii) of the [1985] Code the Principle of Priority applies ‘even if two or more generations, forms, stages or sexes of a species are named as different taxa’.

That the generic name Gasterostomum Siebold is not a forgotten name is evident from the fact that the question of its validity has been repeatedly raised.

A parallel case occurs in this family where the cercaria Bucephalopsis haimeanus Lacaze-Duthiers, 1854 was supposed to have developed into the adult Bucephalopsis gracilescens Rudolphi, 1819, but the life history was never proved. In this case Hopkins (1954) restricted the generic name Bucephalopsis to the cercaria haimeanus and proposed a new generic name Bucephaloides for the adult gracilescens. Srivastava & Chauhan (1973), while agreeing with the restriction of the generic name Bucephalopsis to the cercaria haimeanus, refuted the proposal of a new name Bucephaloides for the adult species since a senior synonym Prosorhynchoides Dollfus, 1929, with type species ovatus by original designation, based on the adult characters, was available. They
resurrected the genus Prosorhynchoides Dollfus, 1929, for all the adult species included under the genus Bucephalopsis, relegating Bucephaloides Hopkins, 1954, to its synonymy. This contention has been accepted by Stunkard (1974).

In the case of parasites where larval stages are different from adults and both are described as separate species, such complications are bound to arise when the life histories are worked out. It is advisable to apply the Principle of Priority to such cases.

In view of the foregoing comments it would be desirable for the Commission to reject Dr Baturo's application, and to declare valid the name Gasterostomum Siebold. 1848 (type species Gasterostomum fimbriatum Siebold, 1848) and the name Bucephalus Baer, 1827, rejecting the name Rhipidocotyle Diesing, 1858 as its synonym.

Additional references


(2) David I. Gibson
Parasitic Worms Division, Department of Zoology, The Natural History Museum, London SW7 5BD, U.K.

I fully support Dr Baturo’s application for the following reasons:

(i) The work of Wallet & Lambert (1984) has confirmed Baturo’s (1977) results concerning the identity of the cercaria which develops into adults currently recognised as Bucephalus polymorphus.

(ii) The only major compendia of European freshwater fish parasites currently in use as identification manuals, those of Bykhovskaya-Pavlovskaya et al. (1962; translated into English, 1964) and Bauer (1987; translation now in preparation); both use the current conceptions of the adult forms of Bucephalus polymorphus and Rhipidocotyle campanula (= illensis). The former has been widely used and cited in the past, and the latter is being and will be widely used in the future.

(iii) The names currently in use are now well accepted and regularly used in surveys, checklists and other studies of the parasites of freshwater fish parasites in Europe and the former Soviet Union (e.g. Osmanov, 1971; Kennedy, 1974; Ergens et al., 1975; Tell, 1980; Ivantsiv & Chernogorenko, 1984; Pojmanska, 1985; Walter, 1988). Between 1988 and 1990 I have found eight references referring to Bucephalus polymorphus and nine to Rhipidocotyle campanula or its synonym in European fishes.

(iv) In relation to one of Dr Srivastava’s comments, although Gasterostomum is not exactly a ‘forgotten’ name because its archaic vernacular ‘gasterostome’ is still in occasional usage, it is an ‘unused’ name, only rarely being referred to except in synonymy for at least the past 60 years.
(v) Strict application of the Code would mean that adults now referred to as *Bucephalus polymorphus* would become *Gasterostomum fimbriatum* and adults currently known as *Rhipidocotyle campanula* (or *R. illensis*) would become *Bucephalus polymorphus*. Such an exchange of well-established names would cause considerable confusion, not least amongst ecologists and other associated parasitological disciplines, with a resulting loss or confusion of data.

(vi) The change of the name *Bucephalus* to *Gasterostomum* and the replacement of *Rhipidocotyle* by *Bucephalus* would have major repercussions outside the European freshwater arena, since both genera contain species from freshwater fishes in other parts of the world, notably North America, and both contain numerous species in marine fishes from various parts of the world.

(vii) A solid nomenclatural base for the systematics of bucephalids in European freshwater is necessary because recent work (Taskinen et al., 1991) has shown that there is a second species of *Rhipidocotyle* in European waters, the ceracria of which has a gross morphology similar to that which develops into adults currently recognised as *Bucephalus polymorphus*. This new form will shortly be described.

It is my belief that the International Code of Zoological Nomenclature should be used with a certain amount of common sense and not applied rigidly in every instance. In view of the considerable confusion which would be caused by the rigid application of the Principle of Priority, I am of the opinion that this is a case where it would be apt and sensible for the Commission to use its powers and accede to Dr Baturo’s application.

**Additional references**


(3) O.N. Pugachev
Parasitic Worms Department, Zoological Institute, Academy of Sciences, Universitetskaya nab. 1, St Petersburg 199034, Russia

With reference to Dr Baturo’s application to the Commission regarding *Bucephalus polymorphus*, I should like to support her proposal and to draw your attention to similar problems which can arise when the Code is applied rigidly in relation to parasitic worms with complex life-cycles. The Code was developed essentially for free-living organisms, where the number of conflicting cases based upon names derived from different life-history stages are few in relation to those of parasitic organisms. In view of this, there should be some flexibility in the application of the Code and, perhaps, future additions to the Code. In this particular instance, if the Code is applied rigidly, then much confusion could result.

(4) J.C. Pearson
Department of Parasitology, University of Queensland, Queensland 4072, Australia

I support whole-heartedly Dr Baturo’s application to the Commission on *Bucephalus* and the combination *Bucephalus polymorphus*.

Report on the proposed suppression of the generic name *Belemnites* Lamarck, 1799 (Mollusca, Coleoidea), with a proposal that the family-group name *BELEMNITIDAE* Owen, 1838 be ruled unavailable and be replaced by *PASSALOTEUTHIDIDAE* Naef, 1922 (Case 2571; see BZN 43: 355–359; 44: 48, 194; 45: 50; 46: 267–272)

P.K. Tubbs
Executive Secretary, International Commission on Zoological Nomenclature

The previous history of this case was summarized in BZN 46: 267–269. The application by Drs P. Doyle and W. Riegraf proposed the suppression of the generic name *Belemnites* Lamarck, 1799 and the specific name of the (indeterminate) type species *B. paxillosa* Lamarck, 1801. In contrast to the vernacular collective name ‘belemnites’, *Belemnites* has for many years been essentially unused as a generic name although the family name *BELEMNITIDAE* has remained in common use. *BELEMNITIDAE*, in recent times treated as though typified by the nominal genus *Passaloteuthis* Lissajous, 1915 (p. 9), has previously been attributed to d’Orbigny (1845) but Mr D. Hepell has pointed out that it was made available by Owen (1838, p. 127). The application called for the designation of *Passaloteuthis* as the type genus of the *BELEMNITIDAE* by the use of the Commission’s plenary powers; this was widely supported, and, as reported in BZN 46: 268, in March 1989 the Commission voted in favour by 20 votes to 3. However, in dissenting, Prof W.D.L. Ride asked that the case be resubmitted because he considered that the designation of *Passaloteuthis* as the type genus of *BELEMNITIDAE* would be ‘seriously upsetting’ by being a departure from a fundamental principle of the Code, namely Article 63 (eponymous families and type genera). Prof Ride proposed that *Belemnites bruguierianus* d’Orbigny, 1843, the type species of *Passaloteuthis*, be ruled
to be also the type species of *Belemnites* and that the latter name be then deemed a junior objective synonym of *Passaloteuthis*: thus the only function of *Belemnites* would be to stand as the formal type genus of *BELEMNITIDAE*. Responses to Prof Ride’s proposals by eight palaeontologists were published in BZN 46: 269–272 and a ninth (by Dr T. Engeser, *Universität Hamburg, Germany*) was noted on the voting papers sent to Commissioners in September 1990; with one exception they supported the original course. In the September 1990 vote the Commission was asked either (a) again to approve the Doyle & Riegraf application or (b) to accept Prof Ride’s alternative. Thirteen Commissioners voted in favour of each course, and no Opinion has been issued.

Drs Doyle and Riegraf have reiterated that any retention of *Belemnites* as a generic name, even as a synonym deemed to be junior, would be unacceptable to workers in the belemnite field. In the light of the above history they now propose that *BELEMNITIDAE* should be abandoned in favour of *PASSALOTEUTHIDINA* *Naef, 1922* (p. 230), which was treated as a superfamily by Saks & Nał’nyaja (1967). The emended suffix -*IDINA* is both correct and in accord with other family-group names based on generic names ending in *-teuthis*. Dr Doyle has pointed out that the valid specific name of *Belemnites bruguierianus* d’Orbigny, 1843, the type species of *Passaloteuthis*, is *bisulcatus* de Blainville, 1827 (p. 79).

The International Commission on Zoological Nomenclature is accordingly asked:

1. to confirm the previous (March 1989) vote suppressing the generic name *Belemnites* Lamarck, 1799 and the specific name of *B. paxillosa* Lamarck, 1801;
2. to use its plenary powers to rule that the name *BELEMNITIDAE* Owen, 1838 is unavailable because the name of the type genus of the nominal family has been suppressed;
3. to confirm the previous (March 1989) placement of the following names:
   b. *Belemnites* Lamarck. 1799 on the Official Index of Rejected and Invalid Generic Names in Zoology;
   c. *paxillosa* Lamarck, 1801, as published in the binomen *Belemnites paxillosa*, on the Official Index of Rejected and Invalid Specific Names in Zoology;
4. to place on the Official List of Specific Names in Zoology the name *bisulcatus* de Blainville, 1827, as published in the binomen *Belemnites bisulcatus* (senior subjective synonym of *Belemnites bruguierianus* d’Orbigny, 1843, the type species of *Passaloteuthis* Lissajous, 1915);
5. to place on the Official List of Family-Group Names in Zoology the name *PASSALOTEUTHIDIDAE* *Naef, 1922* (type genus *Passaloteuthis* Lissajous, 1915):
6. to place on the Official Index of Rejected and Invalid Family-Group Names in Zoology the name *BELEMNITIDAE* Owen, 1838, as ruled in (2) above to be unavailable because the name of its type genus *Belemnites* Lamarck, 1799 has been suppressed.

References

Comments on the proposed confirmation of unavailability of the name *Fusus Helbling*, 1779 (Mollusca, Gastropoda)
(Case 2729; see BZN 48: 92–96, 244–246)

(1) Barry Roth
*Research Associate, Museum of Paleontology, University of California, San Francisco, U.S.A.*

I write in support of the application by Petit & Wilson regarding the availability of the putative genus-group name *Fusus Helbling*, 1779. The crucial point is made in para. 10 (BZN 48: 93): the name cannot continue to be accepted for one purpose (as a senior homonym of *Fusus Bruguière*, 1789) and rejected for another (as a senior subjective synonym of *Colubraria* Schumacher, 1817 and *Cumia* Bivona-Bernardi, 1838); such a split requires action by the Commission.

The suggestion of BZN 48: 94, para. 17, a ruling that *Fusus Helbling* is unavailable, is a reasonable solution. Partisans of the name *Fusinus* Rafinesque, 1815, which would fall as a junior objective synonym of *Fusus Bruguière*, 1789, would undoubtedly prefer another form of solution, but in any event action by the Commission is warranted.

(2) A.G. Beu
*DSIR Geology and Geophysics, P.O. Box 30368, Lower Hutt, New Zealand*

B.A. Marshall
*National Museum of New Zealand, P.O. Box 467, Wellington, New Zealand*

W.F. Ponder
*Australian Museum, P.O. Box A285, Sydney South, New South Wales 2000, Australia*

We should like to comment on the case of *Fusus Helbling*, 1779. We have seen the comment by Prof Emily Vokes (BZN 48: 245–246) and essentially agree with her, although we go a little further with our alternative proposals.

In our opinion the question of availability of the name *Fusus Helbling*, 1779, as presented by Petit & Wilson (BZN 48: 92–96), is largely irrelevant to the main question of nomenclatural stability inherent in their case. By far the major point of stability at issue here is that, since Dall (1906) advocated the adoption of *Fusinus* Rafinesque, 1815 in place of *Fusus Bruguière*, 1789, the usage of *Fusinus* in this sense has become the normal, thoroughly accepted practice by 100% of malacologists and palaeontologists. The genus group now universally known as *Fusinus* comprises several large,
spectacular, tropical Indo-West Pacific species, and consequently *Fusinus* has been used as the valid name in many scientific papers and a large number of popular books during this century. Petit & Wilson are swimming against a very strong tide of well established usage and there is no doubt that the reintroduction of *Fusus* Bruguière in place of *Fusinus* would cause far more instability than would leaving the status quo.

We agree, however, with Petit & Wilson that *Fusus* Helbling is an unsatisfactory name to have available for the Mediterranean species often known as *Colubraria reticulata* (de Blainville, [1829], p. 118, pl. 4D, fig. 5) (see paras. 5 and 6 of the application). This is because the rank and status of genera are uncertain in this group and it is possible that *Fusus* Helbling could threaten the stability of the much better known, universally accepted name *Colubraria* Schumacher, 1817 (pp. 76, 251). Although their type species are different the taxonomic distinction between these nominal genera is based largely on the protoconch and on differences in the shell size, whereas developmental differences alone are not now accepted by most authors as having any taxonomic significance above species level. Once again the name *Colubraria* is so well known and consistently used for a large group of tropical Indo-West Pacific and Caribbean gastropods that its replacement by *Fusus* Helbling would be a major upset to the stability of nomenclature (as was pointed out by Cernohorsky, 1971, p. 153). A junior subjective synonym, *Cumia* Bivona-Bernardi, 1838, is available to replace *Fusus* Helbling should the *Colubraria reticulata* group prove to differ from *Colubraria* at the generic level, and thus a new name would not be required.

It should be pointed out that Iredale (1915, pp. 465–466; 1929, p. 288) twice used the family-group name *Fusidae* in place of what in more recent years has been known as *Colubrariidae*; the second reference was not listed by Petit & Wilson in their application. Iredale clearly thought *Fusus* Helbling a genus distinct from, but closely related to, *Colubraria*. Most authors would now agree that genera related to *Colubraria* belong in the *Buccinidae*, so nomenclatural difficulties are unlikely to arise over the family-group name.

In our opinion the best solution to this case is to reject both *Fusus* Helbling, 1779 and *Fusus* Bruguière, 1789. This solution will allow the greatest possible stability in nomenclature by maintaining the status quo, allowing continued usage of *Colubraria* Schumacher, 1817 and *Fusinus* Rafinesque, 1815 respectively. Suppression of *Fusus* Helbling for priority but not for homonymy will ensure that *Fusus* Bruguière remains a junior homonym and thus invalid; in view of the doubt whether *Fusus* Helbling is available (BZN 48: 244–245), we propose that the Commission’s plenary powers be used to suppress the name.

In place of the proposals made by Petit & Wilson (BZN 48: 94–95), the International Commission on Zoological Nomenclature is accordingly asked:

1. to use its plenary powers to suppress the generic name *Fusus* Helbling, 1779 for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;

2. to place on the Official List of Generic Names in Zoology the following names:
   (a) *Fusinus* Rafinesque, 1815 (gender: masculine), type species, by subsequent monotypy by Lamarck (1799) of the replaced nominal genus *Fusus* Bruguière, 1789, *Murex colus* Linnaeus, 1758;
   (b) *Colubraria* Schumacher, 1817 (gender: feminine), type species by monotypy *Colubraria granulata* Schumacher, 1817;
(3) to place on the Official List of Specific Names in Zoology the following names:
(a) *colus* Linnaeus, 1758, as published in the binomen *Murex colus* (specific name of the type species of *Fusinus* Rafinesque, 1815);
(b) *granulata* Schumacher, 1817, as published in the binomen *Colubraria granulata* (specific name of the type species of *Colubraria* Schumacher, 1817);
(4) to place on the Official List of Rejected and Invalid Generic Names in Zoology the following names:
(a) *Fusus* Helbling, 1779, as suppressed in (1) above;
(b) *Fusus* Bruguière, 1789 (a junior homonym of *Fusus* Helbling, 1779).

Additional references


Comment on the proposed conservation of *Laecochlis* Dunker & Metzger, 1874 (Mollusca, Gastropoda) as the correct spelling
(Case 2769; see BZN 48: 27–30, 322–323)

David Heppell
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I write in reply to the comment by Drs Bouchet & Warén (BZN 48: 322–323).
In a draft of my application I argued for the conservation of the spelling *Laiocochlis* Dunker & Metzger, 1874 on the grounds that this was the intended original spelling. I later changed my proposal to conserve the spelling *Laeocochlis* because the original authors had adopted the latter in their subsequent works, and because I believed that this spelling was in accordance with majority usage (see para. 4 on BZN 48: 28). I am therefore delighted that Drs Bouchet & Warén have been able to tip the balance by providing more examples of the usage of *Laiocochlis*. Even though these authors have shown that there have been subsequent usages of the original spelling *Laiocochlis*, I still believe that this name should be suppressed as an incorrect original spelling, but of which name? Usage is actually fairly evenly divided (although Bouchet & Warén have not spoiled their case by giving additional examples of usage of *Laeocochlis*) and, no doubt, reflects nothing more than authors following Thiele (1929) or Wenz (1940), rather than following proper latinization or original (intended) orthography. After agreeing to suppress the earliest spelling *Laiocochlis* (and also the unused spelling *Laecochlis*) under the plenary powers, the Commission should determine the spelling to be placed on the Official List by a simple majority.

When the valid name for the type species is placed on the Official List to complete the ruling, the name *Cerithium sinistratum* Nyst, 1835 should replace *Triforis macandraeae* A. Adams, 1856 in proposal (3) of para. 6 of my application.
Comments on the proposed conservation of some generic names first proposed in *Histoire abrégée des insectes qui se trouvent aux environs de Paris* (Geoffroy, 1762) (Crustacea and Insecta) 
(Case 2292; see BZN 48: 107–134)

(1) David R. Ragge  
*Department of Entomology, The Natural History Museum, Cromwell Road, London SW7 5BD, U.K.*

I have read the relevant parts of Dr Kerzhner’s application and shown them to appropriate colleagues. The proposals about *Mantes* Geoffroy and *Mantis* Linnaeus (BZN 48: 113, para. D.3) are entirely reasonable and I am sure will be acceptable to all orthopterists.

(2) R.D. Pope  
*Brackley Burn, Slinfold, Sussex RH13 7RU, U.K.*

I am in full support of Dr Kerzhner’s proposals concerning the coleopterous generic names published for the first time in Geoffroy’s *Abrégée*. His monumental and very thoroughly researched plan provides the neatest solution to the existing problems concerning Geoffroy’s genera. No change in existing taxonomic interpretation is involved and nomenclatural stability will be greatly enhanced when all the names are placed on either the Official Lists or the Official Indexes.

The proposals are a great improvement on Silfverberg’s (1978) scheme to use Müller as the ‘author’ of all Geoffroy’s generic names, even those that are used today in taxonomic senses quite different from Geoffroy (see Kerzhner’s para. A.7). The cumbersome, and therefore undesirable, attribution ‘Geoffroy in Müller’ is not needed and, more importantly, it is not necessary to accept Silfverberg’s assertion that ‘... the fact that Müller’s [i.e. Geoffroy’s] description does not always agree with the genus as subsequently defined is irrelevant’. This kind of statement, even if conforming with the Code, does nothing to improve the status of nomenclature in the eyes of non-taxonomists.

(3) John LaSalle  
*CAB International Institute of Entomology, 56 Queen’s Gate, London SW7 5JR, U.K.*

The following comment applies to the Hymenoptera name *Eulophus* (see BZN 48: 116, para. H.3).

(1) I am in favour of Kerzhner’s proposal concerning the generic name *Eulophus*. His proposal will give credit to the author who proposed this name rather than a subsequent author who merely used the name as Geoffroy intended without critical study or knowledge of this taxon. This proposal would promote stability because, although there is general agreement on usage of the name *Eulophus*, there is presently confusion concerning authorship and type species. However, this proposal needs two minor corrections.

(2) Olivier (1791) should be corrected to Olivier (1792) in reference to the name *Eulophus*. Actual publication dates for the various sections of Olivier’s *Encyclopédie*
Additional references


Comment on the proposed conservation of the specific name of Artemia franciscana
Kellogg, 1906 (Crustacea, Branchiopoda)
(Case 2728; see BZN 47: 178–183; 48: 57, 246–248)

Denton Belk
Biology Department, Our Lady of the Lake University, 411 S.W. 24th Street, San Antonio, Texas 78207-4666, U.S.A.

I agree with Dr Holthuis (BZN 48: 247) on his point that the Commission needs the support of workers in the field to make a successful resolution of this case. I think comments demonstrate that these workers do support conservation of the specific name franciscana. Support comes (see BZN 48: 57) from the highest levels of the leading organizational center for information exchange and training in Artemia research, the Artemia Reference Center in Gent, Belgium, and from the only recent worker to use one of the older subjective synonyms, Dr Francisco Amat. However, I disagree with Holthuis that ‘it is rather senseless to deal with the single species A. franciscana and leave the rest as messy as it is now’. It is only in Eurasia and Africa that Artemia nomenclature is a mess. In the Americas there exists a stable nomenclature and research is proceeding in an orderly way into the true species status of the taxa. Conservation of the specific name of Artemia franciscana as proposed will preserve this desirable situation.

While I agree with Dr Bowman (BZN 48: 247) that Bowen et al. (1978) should have followed the Code and used the oldest available name (fertilis), the situation we
are faced with is one in which nomenclatural stability is established and universally accepted by way of the name franciscana. It would be a failure of the Code as an instrument for stable nomenclature to upset the existing stability in an effort to correct the error of Bowen et al. (1978).

I should point out for the record that Dr Bowman was mistaken in referring to 'Bowman and Belk's error' since I am not one of the authors of Bowen et al. (1978).

Comment on the proposed conservation of the specific name of *Amphiuma tridactylum* Cuvier, 1827 (Amphibia, Caudata)
(Case 2771; see BZN 48: 238–239)

Hobart M. Smith
*EPO Biology, University of Colorado, Boulder, Colorado 80309, U.S.A.*

I write to support the application by Harold Dundee to conserve the specific name of *Amphiuma tridactylum* Cuvier, 1827. Approval by the Commission would be a distinct service to biology.

Comment on the proposed conservation of the generic and specific names of *Palaeopropithecus ingens* G. Grandidier, 1899 (Mammalia, Primates)
(Case 2785; see BZN 49: 55–57)

Eric Delson (and 16 others, named below*)
*Department of Vertebrate Paleontology, American Museum of Natural History, Central Park West at 79th Street, New York, N.Y. 10024, U.S.A.*

We are active researchers and teachers of primate evolution and write to support the application by Tattersall, Simons & Vuillaume-Randriamanantena to conserve the name *Palaeopropithecus ingens* G. Grandidier, 1899 by suppressing its senior subjective synonym *Thaumastolemur grandidier* Filhol, 1895. As clearly stated by the authors, continued usage of the long-accepted name *Palaeopropithecus* is desirable for nomenclatural stability. Resuscitation of the unused name *Thaumastolemur* would engender confusion and add nothing to systematics or nomenclature. We strongly recommend that the Commission rules in favor of the application, and as soon as possible under the Code.

*Glenn Conroy (Washington University, St Louis), Herbert H. Covert (University of Colorado, Boulder), John G. Fleagle (State University of New York at Stony Brook), Dan Gebo (Northern Illinois University), Philip Gingerich (University of Michigan), Laurie Godfrey (University of Massachusetts, Amherst), Nancy Simmons Greenwald (American Museum of Natural History, New York), Terry Harrison (New York University), Andrew Hill (Yale University), Clifford J. Jolly (New York University), William Jungers (State University of New York at Stony Brook), R.D.E. MacPhee (American Museum of Natural History), Mike Rose (New Jersey Medical School), Alfred L. Rosenberger (National Zoological Park, Smithsonian Institution), Jeffrey Schwartz (University of Pittsburgh) and Frederick S. Szalay (City University of New York, Hunter College).
**OPINION 1662**

*Limax fibratus* Martyn, 1784 and *Nerita hebraea* Martyn, 1786 (currently *Placostylus fibratus* and *Natica hebraea*; Mollusca, Gastropoda): specific names conserved; and *Placostylus* Beck, 1837: *L. fibratus* designated as the type species

Ruling

(1) Under the plenary powers:

(a) the specific name *aurismalchi* Müller, 1774, as published in the binomen *Helix aurismalchi*, is hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;

(b) the following specific names are hereby ruled to be available:

(i) *fibratus* Martyn, 1784, as published in the binomen *Limax fibratus*;

(ii) *hebraea* Martyn, 1786, as published in the binomen *Nerita hebraea*;

(c) all previous fixations of type species for the nominal genus *Placostylus* Beck, 1837 are hereby set aside and *Limax fibratus* Martyn, 1784 is designated as the type species.

(2) The name *Placostylus* Beck, 1837 (gender: masculine), type species by designation under the plenary powers in (1)(c) above *Limax fibratus* Martyn, 1784, is hereby placed on the Official List of Generic Names in Zoology.

(3) The following names are hereby placed on the Official List of Specific Names in Zoology:

(a) *fibratus* Martyn, 1784, as published in the binomen *Limax fibratus* (specific name of the type species of *Placostylus* Beck, 1837);

(b) *hebraea* Martyn, 1786, as published in the binomen *Nerita hebraea*.

(4) The following names are hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology:

(a) *aurismalchi* Müller, 1774, as published in the binomen *Helix aurismalchi* and suppressed in (1)(a) above;

(b) *elongata* Lightfoot, 1786, as published in the binomen *Voluta elongata* (a junior objective synonym of *Limax fibratus* Martyn, 1784).

**History of Case 2641**

An application for the conservation of the specific names of *Limax fibratus* Martyn, 1784 and *Nerita hebraea* Martyn, 1786, and the designation of *L. fibratus* as the type species of *Placostylus* Beck, 1837, was received from Dr Philippe Bouchet (Muséum National d'Histoire Naturelle, Paris, France) on 5 February 1988. After correspondence the case was published in BZN 47: 12–18 (March 1990). Notice of the case was sent to appropriate journals.

An opposing comment from Dr R. Tucker Abbott (*American Malacologists, Inc., Melbourne, Florida, U.S.A.*) was published in BZN 47: 202 (September 1990), together with a reply by the author of the application and a comment in support from Dr Riccardo Giannuzzi-Savelli (*Società Italiana di Malacologia, Milan, Italy*). A comment by Mrs Anthea Gentry (*Secretariat, ICZN*) on the status of Martyn’s (1784–1787) work *The universal conchologist* was published at the same time.
Comments in support from Drs Anders Warên (Naturhistoriska Riksmuseet, Stockholm, Sweden) and from Simon Tillier (Muséum National d’Histoire Naturelle, Paris, France) were published in BZN 48: 54 (March 1991). It was noted on the voting paper that in November 1990 Dr Bouchet passed to the Secretariat a copy of a message he had received from Dr Tucker Abbott. The latter wrote that he acquiesced over Martyn’s work and that he would in future use the name Placostylus fibratus (Martyn, 1784). He also wrote ‘the earliest name may be Helix aurismalchii Müller, 1774, based on Spengler’s specimen (from New Caledonia, fide Chemnitz)” (see BZN 47: 13, para. 3). Dr Bouchet commented (in litt.) that his objection to the name aurismalchi, unused since 1848, was similar to that for Bulimus bovinus Bruguière (see BZN 47: 202), namely that Müller could not have described in Europe in 1774 a shell from New Caledonia when this island was discovered by Cook in the same year.

Decision of the Commission

On 1 September 1991 the members of the Commission were invited to vote on the proposals published in BZN 47: 15–16. At the close of the voting period on 1 December 1991 the votes were as follows:

Affirmative votes — 24: Bayer, Bock, Cocks, Corliss, Dupuis, Hahn, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Thompson, Trjapitzin, Uéno, Willink

Negative votes — 1: Halvorsen.

No votes were received from Cogger and Starobogatov.

Original references

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:

aurismalchi, Helix, Müller, 1774, Vernium Terrestrial et Fluviatilium..., vol. 2, p. 112.


fibratus, Limax, Martyn, 1784, The universal conchologist..., vol. 1, pl. 25.


Placostylus Beck, 1837, Index Molluscorum praesentis aevi Musei Principis Augustissimi Christiani Frederici, p. 57.
OPINION 1663

Fryeria Gray, 1853 and F. rueppelii Bergh, 1869 (Mollusca, Gastropoda): conserved

Ruling
(1) Under the plenary powers:
(a) the specific name pustulosa Gray, 1853, as published in the binomen Fryeria pustulosa, is hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;
(b) all fixations of type species for the nominal genus Fryeria Gray, 1853 are hereby set aside and Fryeria rueppelii Bergh, 1869 is designated as the type species.

(2) The name Fryeria Gray, 1853 (gender: feminine), type species by designation in (1)(b) above Fryeria rueppelii Bergh, 1869, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name rueppelii Bergh, 1869, as published in the binomen Fryeria rüppelii (specific name of the type species of Fryeria Gray, 1853), is hereby placed on the Official List of Specific Names in Zoology.

(4) The name Reyfria Yonow, 1986 is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology (a junior objective synonym of Fryeria Gray, 1853).

(5) The following names are hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology:
(a) pustulosa Gray, 1853, as published in the binomen Fryeria pustulosa and as suppressed in (1)(a) above;
(b) rüppelii Bergh, 1869, as published in the binomen Fryeria rüppelii (an incorrect original spelling of rueppelii Bergh, 1869).

History of Case 2682
An application for the conservation of Fryeria Gray, 1853 and F. rueppelii Bergh, 1869 was received from Drs D.J. Brunckhorst (University of Queensland, St. Lucia, Queensland, Australia), W.B. Rudman (The Australian Museum, Sydney South, New South Wales, Australia) and R.C. Willan (University of Queensland, St. Lucia, Queensland, Australia) on 28 September 1988. After correspondence the case was published in BZN 46: 161–164 (September 1989). Notice of the case was sent to appropriate journals.

Comments from Prof L.B. Holthuis (Nationaal Natuurhistorisch Museum, Leiden, The Netherlands) and from Mr Robert Burn (Geelong, Victoria, Australia), together with a reply by the authors of the application, were published in BZN 47: 288–290 (December 1990). Mr Burn considered that use of the name pustulosa Gray, 1853 for the type species of Fryeria would not cause confusion, so he opposed proposal (1)(a) on BZN 46: 163. Prof Holthuis suggested that this proposal was unnecessary because, in his view, pustulosa Gray was not available under Article 11i of the Code. The authors did not accept this and maintained their proposal that the name of the nominal type species of Fryeria should be ruled to be Fryeria rueppelii Bergh, 1869.
Decision of the Commission

On 1 September 1991 the members of the Commission were invited to vote on the proposals published in BZN 46: 163. At the close of the voting period on 1 December 1991 the votes were as follows:

Affirmative votes — 18: Bock, Cocks, Corliss, Hahn, Halvorsen, Heppell, Holthuis (in part), Kraus, Mahnert, Martins de Souza, Nielsen, Nye, Ride, Starobogatov, Thompson (in part), Trjapitzin, Uéno, Willink

Negative votes — 8: Bayer, Dupuis, Kabata, Lehtinen, Macpherson, Minelli, Savage and Schuster.

No vote was received from Cogger.

Holthuis and Thompson did not vote for proposals 1(a) and 5(a).

Original references

The following are the original references to the names placed on Official Lists and Official Indexes by the ruling given in the present Opinion:

*Fryeria* Gray, 1853, *Annals and Magazine of Natural History*, (2)11: 221.


OPINION 1664

RISSOIDAE Gray, 1847 (Mollusca, Gastropoda): given precedence over TRUNCATELLIDAE Gray, 1840

Ruling

(1) Under the plenary powers rissoidae Gray, 1847 and other family-group names based on Rissoa Desmarest, 1814 are hereby given precedence over truncatellidae Gray, 1840 and other family-group names based on Truncatella Risso, 1826 whenever their type genera are placed in the same family-group taxon.

(2) The name rissoidae Gray, 1847 (type genus Rissoa Desmarest, 1814) is hereby placed on the Official List of Family-Group Names in Zoology, with the endorsement that it and other family-group names based on Rissoa are to be given precedence over truncatellidae Gray, 1840 (type genus Truncatella Risso, 1826) and other family-group names based on Truncatella whenever their type genera are placed in the same family-group taxon.

(3) To the entry for truncatellidae Gray, 1840 on the Official List of Family-Group Names in Zoology is hereby added the endorsement that it and other family-group names based on Truncatella Risso, 1826 are not to be given priority over rissoidae Gray, 1847 and other family-group names based on Rissoa Desmarest, 1814 whenever their type genera are placed in the same family-group taxon.

(4) The entry for bithyniidae Gray, 1857 on the Official List of Family-Group Names in Zoology is hereby amended to give Troschel (1857) as the author of the name.

(5) The name Rissoa Desmarest, 1814, type species by subsequent designation by Bucquoy, Dautzenberg & Dollfus (1884) Rissoa ventricosa Desmarest, 1814, is hereby placed on the Official List of Generic Names in Zoology.

(6) The entry for Truncatella Risso, 1826 on the Official List of Generic Names in Zoology is hereby amended to state that its type species by subsequent designation by Lowe (1855) is Truncatella costulata Risso, 1826 (a junior subjective synonym of Helix subcylindrica Linnaeus, 1767).

(7) The name ventricosa Desmarest, 1814, as published in the binomen Rissoa ventricosa (specific name of the type species of Rissoa Desmarest, 1814), is hereby placed on the Official List of Specific Names in Zoology.

(8) The entry on the Official List of Specific Names in Zoology for subcylindrica, Helix, Linnaeus, 1767 is hereby amended to state that it is the senior subjective synonym of Truncatella costulata Risso, 1826, the type species of Truncatella Risso, 1826.

History of Case 2699

An application for the conservation of the family-group name rissooidea (or rissoacea) Gray, 1847 by giving it precedence over truncatelloidea (or truncatellacea) Gray, 1840 was received from Drs G. Rosenberg & G.M. Davis (Academy of Natural Sciences, Philadelphia, Pennsylvania, U.S.A.) on 28 December 1988. After correspondence the case was published in BZN 47: 104–109 (June 1990). Notice of the case was sent to appropriate journals. In relation to the proposed placement of hydrobiidae Troschel, 1857 on the Official List (proposal (4) on BZN 47: 107),
a comment from Drs Alfred F. Newton & Margaret K. Thayer (Field Museum of Natural History, Chicago, Illinois, U.S.A.), published in BZN 47: 286–287 (December 1990), pointed out that this family-group name is a junior homonym of HYDROBIIDAE Mulsant, 1844 (type genus Hydrobius Leach, 1815), a name currently in use in the Insecta (Coleoptera). Dr Rosenberg, one of the authors of the application, noted (in litt.) that HYDROBIIDAE in molluscs is a well known large family of some 100 genera and more than 1,000 species and that a name change ‘would cause great confusion’. The status of the name HYDROBIIDAE Troschel, 1857 did not affect the application on the relative precedence of the senior names RISSOIDEA and TRUNCATELLOIDEA and, since objection could be made to placing a junior homonym on an Official List of Names, proposal (4) on BZN 47: 107 was withdrawn. It should be noted that HYDROBIIDAE Troschel should remain in use, even though a junior homonym, in the absence of a Commission ruling resolving its homonymy. References to HYDROBIIDAE and to Hydrobia Hartmann, 1821 and its type species have been withdrawn from the present case because further consideration is necessary. Proposal (10) on BZN 47: 107 was also withdrawn; it is not normal practice to place nomina nuda on the Official Indexes and there was no reason to do so in this case. The application noted (BZN 47: 105, para. 8) that the citation of the type species of Truncatella in Opinion 344 (1955) was wrong, and that the Official List entry needed correction.

Decision of the Commission

On 1 September 1991 the members of the Commission were invited to vote on the proposals published in BZN 47: 106–107, with the withdrawals noted above. At the close of the voting period on 1 December 1991 the votes were as follows:

Affirmative votes — 22: Bayer, Bock, Cocks, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Thompson, Trjapitzin, Uéno, Willink

Negative votes — 4: Lehtinen, Macpherson, Schuster and Starobogatov.

No vote was received from Cogger.

Starobogatov commented that in his view [cf. BZN 47: 105, para. 4] consideration of the relative precedence of RISSOIDEA and TRUNCATELLIDAE was ‘the same as the discussion of relative priority of CANIDAE against FELIDAE’.

Original references

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:


Truncatellidae Gray, 1840, Synopsis of the contents of the British Museum, Ed. 42, p. 117.


The following is the reference for the designation of Rissoa ventricosa Desmarest, 1814 as the type species of the nominal genus Rissoa Desmarest, 1814:

Bulletin of Zoological Nomenclature 49(1) March 1992 79

The following is the reference for the designation of *Truncatella costulata* Risso, 1826 (a junior subjective synonym of *Helix subcylindrica* Linnaeus, 1767) as the type species of the nominal genus *Truncatella* Risso, 1826:

OPINION 1665

Potamilus Rafinesque, 1818 (Mollusca, Bivalvia): not suppressed

Ruling


(2) The name alatus Say, 1817, as published in the binomen Unio alatus (specific name of the type species of Potamilus Rafinesque, 1818), is hereby placed on the Official List of Specific Names in Zoology.

(3) The name Proptera Rafinesque, 1819 is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology (a junior objective synonym of Potamilus Rafinesque, 1818).

History of Case 2558

An application for the conservation of Proptera Rafinesque, 1819 was received from Dr Mark E. Gordon (Tennessee Cooperative Fishery Research Unit, Cookeville, Tennessee, U.S.A.) on 23 November 1987. After correspondence the case was published in BZN 47: 19–21 (March 1990). Notice of the case was sent to appropriate journals.


It was noted on the voting paper that, although no species were included in Potamilus Rafinesque, 1818 for 150 years, as a result of Morrison's 1969 statement (see BZN 47: 19, para. 5) it became a senior objective synonym of Proptera Rafinesque, 1819 (the type species of both nominal genera is Unio alatus Say, 1817). Bogan, Williams & Fuller noted (BZN 47: 206–207) that Potamilus had had extensive recent use and considered that it would therefore be a mistake to suppress it. Instead of the proposals on BZN 47: 20, which sought to suppress Potamilus and place Proptera on the Official List, Bogan et al. proposed that Potamilus should be confirmed as the valid name for the genus.

Both alternatives, the original proposal for the conservation of Proptera Rafinesque, 1819 by the suppression of Potamilus Rafinesque, 1818 (BZN 47: 20: Proposal A), and the placement of Potamilus Rafinesque, 1818 on the Official List (BZN 47: 207: Proposal B), were offered for voting. The first course involved the use of the Commission's plenary powers, but these were not required for the second course since it did not involve the suppression of names.

Decision of the Commission

On 1 September 1991 the members of the Commission were invited to vote. At the close of the voting period on 1 December 1991 the votes were as follows:
Proposal A — 8: Bock, Corliss, Dupuis, Kraus, Minelli, Nielsen, Starobogatov, Uéno.

Proposal B — 18: Bayer, Cocks, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Lehtinen, Macpherson, Mahnert, Martins de Souza, Nye, Ride, Savage, Schuster, Thompson, Trjapitzin and Willink

No vote was received from Cogger.

Voting for proposal B, Hahn commented: 'As the comments clearly show, specialists do not agree in this case. *Proptera* Rafinesque, 1819 is apparently not more often used than *Potamilus* Rafinesque, 1818. In such a situation the best way is to follow the Code and retain the older name’. Martins de Souza commented: ‘As both names, *Potamilus* and *Proptera* are being used, I vote for the adoption of the Principle of Priority’. Nye commented: ‘*Potamilus* is clearly not an unused senior synonym. Each synonym is in current use so priority should be the arbiter’.

Original references

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:

*alatus*, *Unio*, Say, 1817, in Nicholson, W., *First American edition of the British Encyclopedia or dictionary of arts and sciences*, vol. 2 (B–E), pl. 4, fig. 2.


The following is the reference for the designation of *Unio alatus* Say, 1817 as the type species of the nominal genus *Potamilus* Rafinesque, 1818:


The following is the reference for the designation of *Unio alatus* Say, 1817 as the type species of the nominal genus *Proptera* Rafinesque, 1819:

OPINION 1666

*Aphroditae imbricata* Linnaeus, 1767 (currently *Harmothee imbricata*)
and *Aphrodita minuta* Fabricius, 1780 (currently *Pholoe minuta*)
(Annelida, Polychaeta): specific names conserved

Ruling

(1) Under the plenary powers the following specific names are hereby suppressed:

(a) *lepidota* Pallas, 1766, as published in the binomen *Aphroditae lepidota*, for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;

(b) *minuta* Pennant, 1777, as published in the binomen *Aphroditae minuta*, and all other uses of this name before the publication of *A. minuta* Fabricius, 1780, for the purposes of both the Principle of Priority and the Principle of Homonymy.

(2) The following names are hereby placed on the Official List of Specific Names in Zoology:

(a) *imbricata* Linnaeus, 1767, as published in the binomen *Aphroditae imbricata*;

(b) *minuta* Fabricius, 1780, as published in the binomen *Aphroditae minuta*.

(3) The following names are hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology:

(a) *lepidota* Pallas, 1766, as published in the binomen *Aphroditae lepidota* and as suppressed in (1)(a) above;

(b) *minuta* Pennant, 1777, as published in the binomen *Aphroditae minuta* and as suppressed in (1)(b) above.

History of Case 2452

An application for the conservation of the specific names of *Aphroditae imbricata* Linnaeus, 1767 and *A. minuta* Fabricius, 1780 was received from Dr Susan Chambers and Mr David Heppell (*National Museums of Scotland, Edinburgh, U.K.*) on 30 September 1983. The case was held pending proposed taxonomic revisions and was eventually published in BZN 46: 22–24 (March 1989). Notice of the case was sent to appropriate journals.

A comment from Dr Mary E. Petersen (*Zoological Museum, University of Copenhagen, Denmark*), published in BZN 47: 207–209 (September 1990), supported the conservation of *Aphroditae minuta* Fabricius, 1780 by suppressing the earlier unused homonym *A. minuta* Pennant, 1777, but preferred the name *Aphroditae imbricata* Linnaeus, 1767 to be given precedence over *A. lepidota* Pallas, 1766, rather than the proposed suppression of the latter name. A reply by the authors of the application was published at the same time.

Dr Petersen considered that leaving the name *A. lepidota* available for possible future use would be advantageous since it was almost certain that revision of *A. imbricata* would result in that nominal species being split. While agreeing the latter point, Dr Chambers & Mr Heppell noted that, in the absence of type material, the name *lepidota* Pallas, 1766 could not be applied with confidence.
Decision of the Commission

On 1 September 1991 the members of the Commission were invited to vote on the proposals published in BZN 46: 23. At the close of the voting period on 1 December 1991 the votes were as follows:


Negative votes — 3: Bayer, Minelli (in part) and Thompson.

Dupuis and Holthuis abstained.

No vote was received from Cogger.

Minelli voted for the suppression of *Aphrodita minuta* Pennant, 1777 but not for the suppression of *A. lepidota* Pallas, 1766. Dupuis commented: ‘Pending a better taxonomic knowledge of the genus I think it is premature to decide the case from a mere nomenclatural point of view’. Holthuis, Minelli, Ride and Thompson expressed support for the course suggested by Dr Petersen, namely that the name *imbricata* be given precedence over *lepidota*. The Executive Secretary consulted Dr Nielsen (*University of Copenhagen*) on this point; he replied (in agreement with Chambers & Heppell, BZN 47: 210) that Pallas’s name could not be appropriately assigned to any particular taxon which might be differentiated from *imbricata*.

Original references

The following are the original references to the names placed on an Official List and an Official Index by the ruling given in the present Opinion:


OPINION 1667

**Thalassochernes** Beier, 1940 (Arachnida, Pseudoscorpionida): *Chelifer taierensis* With, 1907 designated as the type species

**Ruling**

(1) Under the plenary powers all previous designations of type species for the nominal genus *Thalassochernes* Beier, 1940 are hereby set aside and *Chelifer taierensis* With, 1907 is designated as type species of the genus.

(2) The name *Thalassochernes* Beier, 1940 (gender: masculine), type species by designation under the plenary powers in (1) above *Chelifer taierensis* With, 1907, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name *taierensis* With, 1907, as published in the binomen *Chelifer taierensis* (specific name of the type species of *Thalassochernes* Beier, 1940), is hereby placed on the Official List of Specific Names in Zoology.

**History of Case 2734**

An application for the designation of *Chelifer taierensis* With, 1907 as the type species of *Thalassochernes* Beier, 1940 was received from Dr Mark S. Harvey (Western Australian Museum, Perth, Australia) on 27 July 1989. After correspondence the case was published in BZN 47: 176–177 (September 1990). Notice of the case was sent to appropriate journals. No comments were received.

**Decision of the Commission**

On 1 September 1991 the members of the Commission were invited to vote on the proposals published in BZN 47: 177. At the close of the voting period on 1 December 1991 the votes were as follows:

Affirmative votes — 26: Bayer, Bock, Cocks, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Thompson, Trjapitzin, Uéno, Willink

Negative votes — none.

No vote was received from Cogger.

**Original references**

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:


OPINION 1668

_Bathynomus_ A. Milne Edwards, 1879 (Crustacea, Isopoda): given precedence over _Palaega_ Woodward, 1870

Ruling

(1) Under the plenary powers the generic name _Bathynomus_ A. Milne Edwards, 1879 is hereby given precedence over the name _Palaega_ Woodward, 1870 whenever the two names are considered to be synonyms.

(2) The following names are hereby placed on the Official List of Generic Names in Zoology:

(a) _Bathynomus_ A. Milne Edwards, 1879 (gender: masculine), type species by monotypy _Bathynomus giganteus_ A. Milne Edwards, 1879, with the endorsement that it is to be given precedence over _Palaega_ Woodward, 1870 whenever the two names are considered to be synonyms;

(b) _Palaega_ Woodward, 1870 (gender: feminine), type species by monotypy _Palaega carteri_ Woodward, 1870, with the endorsement that it is not to be given priority over the name _Bathynomus_ A. Milne Edwards, 1879 whenever the two names are considered to be synonyms.

(3) The following names are hereby placed on the Official List of Specific Names in Zoology:

(a) _giganteus_ A. Milne Edwards, 1879, as published in the binomen _Bathynomus giganteus_ (specific name of the type species of _Bathynomus_ A. Milne Edwards, 1879);

(b) _carteri_ Woodward, 1870, as published in the binomen _Palaega carteri_ (specific name of the type species of _Palaega_ Woodward, 1870).

History of Case 2721

An application to give the generic name _Bathynomus_ A. Milne Edwards, 1879 precedence over _Palaega_ Woodward, 1870 was received from Drs Joel W. Martin & Hans G. Kuck (Natural History Museum of Los Angeles County, Los Angeles, California, U.S.A.) on 7 April 1989. After correspondence the case was published in BZN 47: 27–29 (March 1990). Notice of the case was sent to appropriate journals.

A comment in support from Prof Jacques Forest (Muséum National d’Histoire Naturelle, Paris, France) was published in BZN 47: 212–213 (September 1990). An opposing comment from Prof Rodney M. Feldmann (Kent State University, Kent, Ohio, U.S.A.) was published in BZN 47: 290–291 (December 1990). Prof Feldmann accepted the subjective synonymy of _Palaega_ Woodward, 1870 and _Bathynomus_ Milne Edwards, 1879, and pointed out that there is no provision requiring that names based on living taxa should have precedence over those (such as _Palaega_) based on fossils.

Comments on the application were published in BZN 47: 291–293 from six members of the Nomenclature Committee of The Crustacean Society (Drs Gary C.B. Poore, Museum of Victoria, Abbotsford, Australia & Keiji Baba, Kumamoto University Faculty of Education, Kumamoto, Japan; Prof J.Y. Liu, Institute of Oceanology, Quindao, People’s Republic of China; Prof L.B. Holthuis, Nationaal Natuurhistorisch Museum, Leiden, The Netherlands; and Dr Thomas E. Bowman and Dr Austin B. Williams, National Museum of Natural History, Smithsonian Institution, Washington D.C.,
None of these comments opposed the application, and they expressed doubts about Palaega carteri, the type species of Palaega, being congeneric with Bathynomus giganteus. Poore & Baba, Liu and Holthuis were willing to support the application while Bowman and Williams said it was unnecessary.

Comments from Prof Sergio de Almeida Rodrigues (Universidade de São Paulo, São Paulo, Brazil) and Dr Neil L. Bruce (Queensland Museum, South Brisbane, Australia) supporting the precedence of Bathynomus were published in BZN 48: 57–58 (March 1991).

Decision of the Commission

On 1 September 1991 the members of the Commission were invited to vote on the proposals published in BZN 47: 28. At the close of the voting period on 1 December 1991 the votes were as follows:

Affirmative votes — 22: Bayer, Bock, Cocks, Corliss, Dupuis, Holthuis, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Thompson, Trjapitzin, Ueno, Willink

Negative votes — 4: Hahn, Halvorsen, Heppell and Martins de Souza.

No vote was received from Cogger.

Voting for, Cocks and Minelli agreed with the comments by members of the Nomenclature Committee of The Crustacean Society. Ride commented: ‘From the comments it is clear that Palaega carteri will be regarded as a nomen dubium by some and hence a cause of instability while Palaega remains senior to Bathynomus. In the status proposed, Palaega can be used as a collective group name or a generic name without compromising stability’. Voting against, Hahn commented: ‘Palaega is of similar importance for palaeontologists as Bathynomus for neontologists, therefore I see no reason to give precedence to Bathynomus over Palaega’. Martins de Souza wrote: ‘Comments by Bowman, Bruce, Holthuis and Williams have indicated that Palaega carteri is not congeneric with Bathynomus giganteus’; he therefore saw no reason to give precedence to Bathynomus.

Original references

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:

OPINION 1669

Dalla Mabille, 1904 (Insecta, Lepidoptera): conserved

Ruling
(1) Under the plenary powers the generic name Eumesia Felder & Felder, [1867] is hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy.

(2) The name Dalla Mabille, 1904 (gender: feminine), type species by subsequent designation by Lindsey (1921) Cyclopides eryonas Hewitson, 1877, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name eryonas Hewitson, 1877, as published in the binomen Cyclopides eryonas (specific name of the type species of Dalla Mabille, 1904), is hereby placed on the Official List of Specific Names in Zoology.

(4) The name Eumesia Felder & Felder, [1867], as suppressed in (1) above, is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology.

(5) The name Eumesiidae (type genus Eumesia Felder & Felder, [1867]) (name of the type genus suppressed in (1) above) is hereby placed on the Official Index of Rejected and Invalid Family-Group Names in Zoology.

History of Case 2720
An application for the conservation of the name Dalla Mabille, 1904 was received from Drs Stephen R. Steinhauser, Lee D. Miller & Jacqueline Y. Miller (Allyn Museum of Entomology, Sarasota, Florida, U.S.A.) and Charles A. Bridges (Urbana, Illinois, U.S.A.) on 29 March 1989. After correspondence the case was published in BZN 47: 184-186 (September 1990). Notice of the case was sent to appropriate journals. No comments were received. It was noted on the voting paper that approximately 120 nominal taxa (species and subspecies) are currently placed in the genus which, with the exceptions noted in the application, has always been called Dalla.

Decision of the Commission
On 1 September 1991 the members of the Commission were invited to vote on the proposals published in BZN 47: 185-186. At the close of the voting period on 1 December 1991 the votes were as follows:

Affirmative votes — 25: Bayer, Bock, Cocks, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Trjapitzin, Uéno, Willink

Negative votes — 1: Thompson.

No vote was received from Cogger.

Original references
The following are the original references to the names placed on Official Lists and Official Indexes by the ruling given in the present Opinion:
eryonas, Cyclopides, Hewitson, 1877, Annals and Magazine of Natural History, (4)20: 325.
Eumesia Felder & Felder, [1867], *Reise der Österreichischen Fregatte 'Novara' um die Erde*, p. 504.

**Eumesiidae** Felder & Felder, [1867], *Reise der Österreichischen Fregatte 'Novara' um die Erde*, p. 504.

The following is the reference for the designation of *Cyclopides eryonas* Hewitson, 1877 as the type species of the nominal genus *Dalla* Mabille, 1904:

**Lindsey, A.W.** 1921. *University of Iowa Studies in Natural History*, 9(4): 58.
OPINION 1670

Calliphora vicina Robineau-Desvoidy, 1830 (Insecta, Diptera): specific name conserved

Ruling
(1) Under the plenary powers the specific name carnivora Fabricius, 1794, as published in the binomen Musca carnivora, is hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy.
(2) The name vicina Robineau-Desvoidy, 1830, as published in the binomen Calliphora vicina, is hereby placed on the Official List of Specific Names in Zoology.
(3) The following names are hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology:
(a) carnivora Fabricius, 1794, as published in the binomen Musca carnivora and as suppressed in (1) above;
(b) erythrocephala Meigen, 1826, as published in the binomen Musca erythrocephala (a junior primary homonym of Musca erythrocephala DeGeer, 1776).

History of Case 2712
An application for the conservation of the specific name Calliphora vicina Robineau-Desvoidy, 1830 was received from Drs Knut Rognes (Stavanger Laerhogskole, Stavanger, Norway) and Robert E. Blackith (University of Dublin, Ireland) on 20 February 1989. After correspondence the case was published in BZN 47: 187–189 (September 1990). Notice of the case was sent to appropriate journals. No comments were received. As noted on BZN 47: 189, the application was supported by Dr A.C. Pont (formerly of The Natural History Museum, London, U.K.).
Attention is drawn to the invalidity of the specific name erythrocephala Meigen, 1826, which is still sometimes used for Calliphora vicina.

Decision of the Commission
On 1 September 1991 the members of the Commission were invited to vote on the proposals published in BZN 47: 188–189. At the close of the voting period on 1 December 1991 the votes were as follows:
Affirmative votes — 24: Bayer, Bock, Cocks, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Macpherson, Mahnert, Martins de Souza, Minelli, Nye, Ride, Savage, Schuster, Starobogatov, Thompson, Trjapitzin, Uéno, Willink
Negative votes — 2: Lehtinen and Nielsen.
No vote was received from Cogger.

Original references
The following are the original references to the names placed on an Official List and an Official Index by the ruling given in the present Opinion:
carnivora, Musca, Fabricius, 1794, Entomologia systematica emendata et aucta..., vol. 4, p. 313.
erthrocephala, Musca, Meigen, 1826, Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten, vol. 5, p. 62.
OPINION 1671

Strophomena de Blainville, 1824 (Brachiopoda): Leptaena planumbona Hall, 1847 designated as the type species

Ruling

(1) Under the plenary powers:
(a) all previous designations of type species for the nominal genus Strophomena de Blainville, 1824 are hereby set aside and Leptaena planumbona Hall, 1847 is designated as the type species;
(b) the specific name rugosa de Blainville, 1824, as published in the binomen Strophomena rugosa, is hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy.
(2) The name Strophomena de Blainville, 1824 (gender: feminine), type species by designation in (1)(a) above Leptaena planumbona Hall, 1847, is hereby placed on the Official List of Generic Names in Zoology.
(3) The name planumbona Hall, 1847, as published in the binomen Leptaena planumbona (specific name of the type species of Strophomena de Blainville, 1824) is hereby placed on the Official List of Specific Names in Zoology.
(4) The name rugosa de Blainville, 1824, as published in the binomen Strophomena rugosa and as suppressed in (1)(b) above, is hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology.

History of Case 2747

An application for the designation of Leptaena planumbona Hall, 1847 as the type species of Strophomena de Blainville, 1824 was received from Dr L.R.M. Cocks (The Natural History Museum, London, U.K.) on 10 November 1989. After correspondence the case was published in BZN 47: 274-276 (December 1990). Notice of the case was sent to appropriate journals. Comments in support from Dr A.W.A. Rushton (British Geological Survey, Keyworth, Nottinghamshire, U.K.) and from Sir Alwyn Williams (The University, Glasgow, U.K.) were published in BZN 48: 54 (March 1991). A further comment in support from Dr C.H.C. Brunton (The Natural History Museum, London, U.K.) was noted on the voting paper.

In the application the names Strophomena and rugosa were attributed to de Blainville's Manuel de Malacologie of 1825 (see BZN 47: 274, para. 3) but it subsequently became apparent (see below) that they had previously been published in 1824.

Decision of the Commission

On 1 September 1991 the members of the Commission were invited to vote on the proposals published in BZN 47: 275-276. At the close of the voting period on 1 December 1991 the votes were as follows:

Affirmative votes — 26: Bayer, Bock, Cocks, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Thompson, Trjapitzin, Uéno, Willink

Negative votes — none.
No vote was received from Cogger.

Heppell commented: ‘The genera (including the new genera) included by de Blainville in his *Manuel de Malacologie* (1825) were also published by him in the alphabetically arranged sequence of the second edition of the *Dictionnaire des Sciences Naturelles*. This predates the *Manuel* at least as far as volume 32 (November 1824), and so the generic name *Strophomena* and the specific name *rugosa* should be dated from their first publication on p. 302 of that volume, and not from 1825 as given in the application’.

**Original references**

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:

*planumbona, Leptaena, Hall, 1847, Natural History of New York, p. 112.*


OPINION 1672

*Muraena* Linnaeus, 1758 and *Anguilla* Schrank, 1798 (Osteichthyes, Anguilliformes): placed on the Official List of Generic Names

Ruling

(1) The following names are hereby placed on the Official List of Generic Names in Zoology:

(a) *Muraena* Linnaeus, 1758 (gender: feminine), type species by subsequent designation by Bory de Saint-Vincent (1827) *Muraena helena* Linnaeus, 1758;

(b) *Anguilla* Schrank, 1798 (gender: feminine), type species by monotypy *Muraena anguilla* Linnaeus, 1758.

(2) The following names are hereby placed on the Official List of Specific Names in Zoology:

(a) *helena* Linnaeus, 1758, as published in the binomen *Muraena helena* (specific name of the type species of *Muraena* Linnaeus, 1758);

(b) *anguilla* Linnaeus, 1758, as published in the binomen *Muraena anguilla* (specific name of the type species of *Anguilla* Schrank, 1798).

History of Case 1173

An application for the confirmation of *Muraena helena* Linnaeus, 1758 as the type species of *Muraena* was received from Miss Ruth A. Cooper (Secretariat, International Commission on Zoological Nomenclature) and Mr Oliver A. Crimmen (The Natural History Museum, London, U.K.) on 21 September 1989. After correspondence the case was published in BZN 46: 259–261 (December 1989). Notice of the case was sent to appropriate journals.

The generic name *Muraena*, consistently used for moray eels, was placed on the Official List of Generic Names in Opinion 77 (January 1922) with the universally accepted type species *M. helena* Linnaeus, 1758. However, in 1958 *Muraena* was withdrawn from the List for further investigation: the earliest designation of a type species was believed to be that by Bleeker (1865) of *M. anguilla* Linnaeus, 1758. *M. anguilla* is the type species by monotypy of *Anguilla* Schrank, 1798, the common river eel, and strict adherence to the Règles [Code] would have resulted in the transfer of the name *Muraena* from the moray to the common eel and the loss of the name *Anguilla* as a junior objective synonym.

The application by Cooper & Crimmen (BZN 47: 259–261) sought to set aside Bleeker's (1865) designation of *anguilla* as the type of *Muraena* and accept that by Jordan & Gilbert (1882) of *helena*, thereby conserving both generic names, *Muraena* and *Anguilla*, in their accustomed usages.

A comment from Mr Alwyne Wheeler (Epping Forest Conservation Centre, Loughton, Essex, U.K.), published in BZN 47: 138 (June 1990), noted that the name *Anguilla* dated from Schrank (1798), and not Shaw (1803) as cited in the application. Comments from Dr F.C. Thompson (United States Department of Agriculture, Washington D.C., U.S.A.) and from one of the authors of the application (Ruth Cooper), published in BZN 47: 139, pointed out that Commission action was not required to conserve the name *Muraena* in its accustomed sense: the designation by
Bory de Saint-Vincent (1827) of helena as the type species predated that by Bleeker (1865) and helena is thus the valid type species of the genus.

The Commission was asked to agree to place both Muraena Linnaeus, 1758 and Anguilla Schrank, 1798 on the Official List, with Muraena helena and M. anguilla, both of Linnaeus, 1758, the respective type species.

Decision of the Commission

On 1 September 1991 the members of the Commission were invited to vote. At the close of the voting period on 1 December 1991 the votes were as follows:

Affirmative votes — 26: Bayer, Bock, Cocks, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Thompson, Trjapitzin, Uéno, Willink

Negative votes — none.

No vote was received from Cogger.

Original references

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:

Muraena Linnaeus, 1758, Systema Naturae, Ed. 10, vol. 1, p. 244.

The following is the reference for the designation of Muraena helena Linnaeus, 1758 as the type species of the nominal genus Muraena Linnaeus, 1758:

OPINION 1673

LIPARIDAE Gill, 1861 (Osteichthyes, Scorpaeniformes): spelling confirmed

Ruling

(1) It is hereby ruled that for the purposes of Article 29 of the Code the stem of the generic name Liparis Scopoli, 1777, is LIPAR-.

(2) The name Liparis Scopoli, 1777 (gender: feminine), type species by absolute tautonymy Cyclopterus liparis Linnaeus, 1766, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name liparis Linnaeus, 1766, as published in the binomen Cyclopterus liparis (specific name of the type species of Liparis Scopoli, 1777) is hereby placed on the Official List of Specific Names in Zoology.

(4) The name LIPARIDAE Gill, 1861 (type genus Liparis Scopoli, 1777), spelling confirmed in (1) above, is hereby placed on the Official List of Family-Group Names in Zoology.

History of Case 2440

An application for the confirmation of the spelling of LIPARIDAE Gill, 1861 was received from Dr Kenneth D. Vogt (Anchorage, Alaska, U.S.A.) on 25 April 1983. After correspondence the case was published in BZN 45: 130–131 (June 1988). Notice of the case was sent to appropriate journals. A comment from Prof L.B. Holthuis (Nationale Natuurhistorisch Museum, Leiden, The Netherlands) was published in BZN 45: 292 (December 1988), together with a comment in support from Mr Alwyne Wheeler (The Natural History Museum, London, U.K.). A comment in support from Prof E. Mayr (Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts, U.S.A.) was published in BZN 46: 45 (March 1989). A comment on the etymology of Liparis from Prof H.D. Cameron (University of Michigan, Ann Arbor, Michigan, U.S.A.) was published in BZN 47: 296–297 (December 1990). Comments from Drs B.A. Korotyaev & E.P. Nartshuk ( Zoological Institute, St Petersburg, Russia) and Dr H. Silfverberg (Zoological Museum, Helsinki, Finland) were reported by Dr P.K. Tubbs (Executive Secretary, ICZN) in BZN 47: 297–298 (December 1990). Use of the plenary powers was not specifically requested in this case (BZN 45: 131) and Prof Cameron (BZN 47: 297) stated that the correct spelling of the family-group name was LIPARIDAE. The Commission was asked to confirm formally this spelling and to agree to place the name on the Official List.

Decision of the Commission

On 1 September 1991 the members of the Commission were invited to vote on the proposals published in BZN 45: 131. At the close of the voting period on 1 December 1991 the votes were as follows:

Affirmative votes — 25: Bayer, Bock, Cocks, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Thompson, Trjapitzin, Úeno, Willink
Negative votes — 1: Lehtinen.
No vote was received from Cogger.

Original references
The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:

*Liparis* Scopoli, 1777, *J.A. Scopoli... Introductio ad Historiam naturalem, sistens genera Lapidum, Plantarum et Animalium...*, p. 453.


*LIPARIDAE* Gill, 1861, *Catalogue of the fishes of the eastern coast of North America, from Greenland to Georgia*, p. 47.
OPINION 1674

THRESKIORNITHIDAE Poche, 1904 (Aves, Ciconiiformes): given precedence over PLATALEIDAE Bonaparte, 1838 and EUDOCIMIDAE Bonaparte, 1854

Ruling

(1) Under the plenary powers THRESKIORNITHIDAE Poche, 1904 and other family-group names based on Threskiornis Gray, 1842 are hereby given precedence over PLATALEIDAE Bonaparte, 1838 and EUDOCIMIDAE Bonaparte, 1854 and other family-group names based on Platalea Linnaeus, 1758 or Eudocimus Wagler, 1832, or on any other nominal genus placed in the same family-group taxon as Threskiornis.

(2) The following names are hereby placed on the Official List of Generic Names in Zoology:

(a) Threskiornis Gray, 1842 (gender: masculine), type species by original designation Tantulus aethiopicus Latham, 1790;
(b) Platalea Linnaeus, 1758 (gender: feminine), type species by subsequent designation by Gray (1840) Platalea leucorodia Linnaeus, 1758;
(c) Eudocimus Wagler, 1832 (gender: masculine), type species by subsequent designation by Reichenow (1877) Scolopax rubra Linnaeus, 1758.

(3) The following names are hereby placed on the Official List of Specific Names in Zoology:

(a) aethiopicus Latham, 1790, as published in the binomen Tantulus aethiopicus (specific name of the type species of Threskiornis Gray, 1842);
(b) leucorodia Linnaeus, 1758, as published in the binomen Platalea leucorodia (specific name of the type species of Platalea Linnaeus, 1758);
(c) rubra Linnaeus, 1758, as published in the binomen Scolopax rubra (specific name of the type species of Eudocimus Wagler, 1832).

(4) The following names are hereby placed on the Official List of Family-Group Names in Zoology:

(a) THRESKIORNITHIDAE Poche, 1904 (type genus Threskiornis Gray, 1842), with the endorsement that it and other family-group names based on Threskiornis are to be given precedence over those based on Platalea Linnaeus, 1758, on Eudocimus Wagler, 1832, or on any other nominal genus placed in the same family-group taxon as Threskiornis;
(b) PLATALEIDAE Bonaparte, 1838 (type genus Platalea Linnaeus, 1758), with the endorsement that it and other family-group names based on Platalea are not to be given priority over those based on Threskiornis Gray, 1842;
(c) EUDOCIMIDAE Bonaparte, 1854 (type genus Eudocimus Wagler, 1832), with the endorsement that it and other family-group names based on Eudocimus are not to be given priority over those based on Threskiornis Gray, 1842.

History of Case 2136

An application to place the widely used name THRESKIORNITHIDAE on the Official List of Family-Group Names in Zoology and to give it precedence over PLATALEIDAE Bonaparte, 1838 and other competing family-group names was received from Prof
E. Mayr (Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts, U.S.A.), Dr K.C. Parkes (Carnegie Museum of Natural History, Pittsburgh, U.S.A.) and the late Dr E. Eisenmann on 31 July 1975. After long delays the case was published in BZN 41: 240–244 (November 1984). Notice of the case was sent to appropriate journals.

Comments in opposition from Dr Kenneth E. Campbell (Natural History Museum, Los Angeles, California, U.S.A.), from Dr Allan R. Phillips (San Nicolás de los Garza, Nuevo León, Mexico) and from Dr Storrs L. Olson (National Museum of Natural History, Smithsonian Institution, Washington D.C., U.S.A.) were published in BZN 43: 10–13 (April 1986).

Prof Walter J. Bock (Chairman of the Standing Committee on Nomenclature of the International Ornithological Congress (SCON)). Columbia University, New York, N.Y., U.S.A.) reported on the support for the application from SCON following a Congress meeting in 1986 (published in BZN 43: 324; December 1986). No further action was taken pending a proposed comprehensive application from SCON on bird family-group names.

Following an Ornithological Congress in December 1990 Prof Bock (in litt., April 1991) pointed out that the name Threskiornithidae was first proposed by Poche (1904, p. 498), and not by Richmond (1917) as was stated in the original application. The name should therefore be cited with this date. Poche’s authorship rendered the name senior to Plegadidae Mathews, 1913 and no action was necessary with regard to the latter name.

In his letter Prof Bock mentioned three further family-group names, not previously cited in this case, based on genera included in the Threskiornithidae auctt. These were ‘Geronticeae’ (type genus Geronticus Wagler, 1832) and ‘Phimoseae’ (type genus Phimosus Wagler, 1832), both appearing in a table by Bonaparte (1855, p. 725), and Falcinellinae Des Murs, 1860 (pp. 428, 537; type genus Falcinellus Gray, 1840 (p. 67), which is a junior synonym of Plegadis Kaup, 1829, and also a junior homonym. Although senior to Threskiornithidae Poche, 1904, not one of these three names has been used as valid for many years, and there seemed no reason to delay further the present case (primarily concerned with Threskiornithidae and Plataleidae) for them and their type genera (and the type species of these) to be considered de novo.

The original proposals (BZN 41: 244) did not ask for the placing of any type genera or species on the Official Lists, although they were mentioned in the preceding text. In keeping with normal practice they were included in revised proposals on the voting paper, together with the revised date for Threskiornithidae.

Decision of the Commission

On 1 September 1991 the members of the Commission were invited to vote on the revised proposals. At the close of the voting period on 1 December 1991 the votes were as follows:

Affirmative votes — 18: Bock, Cocks, Corliss, Hahn, Halvorsen, Kraus, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Trijapitzin, Úeno, Willink

Negative votes — 8: Bayer, Dupuis, HePELL, Holthuis, Kabata, Lehtinen, Macpherson and Thompson.

No vote was received from Cogger.
Holthuis commented: ‘The strict use of priority here is the safest, simplest, least messy and most logical solution. *Platalea* and *Plataleidae* are well-known names. Each time family names based on genera of this group published between 1838 and 1904 are found, the Commission has to act. I cannot accept the phrase ‘on any other nominal genus...’ in revised proposal (1)’. Kabata commented: ‘The opposing comments of Campbell, Phillips and Storrs seemed to me quite compelling and I share the views of these three commentators’. Thompson commented: ‘Given that the ornithological community is divided on this question, it is best to follow the Principle of Priority’.

**Original references**

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:


*leucorodia*, *Platalea*, Linnaeus, 1758, *Systema Naturae, Ed. 10*, vol. 1, p. 139.


**PLATALEINAE** Bonaparte, 1838, *A geographical and comparative list of the birds of Europe and North America*, p. 48.


The following is the reference for the designation of *Platalea leucorodia* Linnaeus, 1758 as the type species of the nominal genus *Platalea* Linnaeus, 1758:

Gray, G. R. 1840. *A list of the genera of birds, with an indication of the typical species of each genus*, p. 67.

The following is the reference for the designation of *Scolapax rubra* Linnaeus, 1758 as the type species of the nominal genus *Eudocimus* Wagler, 1832:


Other references mentioned in the Opinion are:


INSTRUCTIONS TO AUTHORS

The following notes are primarily for those preparing applications to the Commission; other authors should comply with the relevant sections. Applications should be prepared in the format of recent parts of the Bulletin; the Commission’s Secretariat reserves the right to return applications not so prepared.

Text. Typed in double spacing, this should consist of numbered paragraphs setting out the details of the case and leading to a final paragraph of formal proposals. Text references should give dates and page numbers in parentheses, e.g. ‘Daudin (1800, p. 39) described ...’. The Abstract will be prepared by the Secretariat.

References. These should be given for all authors cited. The title of periodicals should be in full and be underlined; numbers of volumes, parts, etc. should be in arabic figures, separated by a colon from page numbers. Book titles should be underlined and followed by the number of pages, the publisher and place of publication.

Submission of Application. Two copies should be sent to: The Executive Secretary, the International Commission on Zoological Nomenclature, c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K. It would help to reduce the time that it takes to process the large number of applications received if the typescript could be accompanied by a disk with copy in ASCII text in IBM PC format. It would also be helpful if applications were accompanied by photocopies of relevant pages of the main references where this is possible.

Applicants would be well advised to discuss their cases with other workers in the same field before submitting applications, so that they are aware of any wider implications and the likely reactions of other zoologists.
Contents — continued

On the proposed conservation in their accepted usage of the nominal taxa *Bucephalus* Baer, 1827 and *B. polymorphus* Baer, 1827 (Trematoda). C.B. Srivastava; D.I. Gibson; O.N. Pugachev; J.C. Pearson ............................... 62

On the proposed suppression of the generic name *Belenmites* Lamarck, 1799 (Mollusca, Coleoidea), with a proposal that the family-group name *BELEMNITIDAE* Owen, 1838 be ruled unavailable and be replaced by *PASSALOTEUTHIDIDAE* Naef, 1922. P.K. Tubbs ................................. 66

On the proposed confirmation of unavailability of the name *Fusus* Helbling, 1779 (Mollusca, Gastropoda). B. Roth; A.G. Beu, B.A. Marshall & W.F. Ponder ................................. 68

On the proposed conservation of *Laecocchlis* Dunker & Metzger, 1874 (Mollusca, Gastropoda) as the correct spelling. D. Heppell ............................................................... 70

On the proposed conservation of some generic names first proposed in *Histoire abrégée des insectes qui se trouvent aux environs de Paris* (Geoffroy, 1762) (Crustacea and Insecta). D.R. Ragge; R.D. Pope; J. LaSalle ................................................................. 71

On the proposed conservation of the specific name of *Artemia franciscana* Kellogg, 1906 (Crustacea, Branchiopoda). D. Belk ................................................................. 72

On the proposed conservation of the specific name of *Amphiuma tridactylum* Cuvier, 1827. (Amphibia, Caudata) H.M. Smith ................................................................. 73

On the proposed conservation of the generic and specific names of *Palaeopropithecus ingens* G. Grandidier, 1899 (Mammalia, Primates). E. Delson et al. ................................................................. 73

Rulings of the Commission

Opinion 1662. *Limax* *fibratus* Martyn, 1784 and *Nerita hebraea* Martyn, 1786 (currently *Placostylus* *fibratus* and *Natica hebraea*; Mollusca, Gastropoda): specific names conserved; and *Placostylus* Beck, 1837: *L. fibratus* designated as the type species ................................................................. 74

Opinion 1663. *Fryeria* Gray, 1853 and *F. rueppelli* Bergh, 1869 (Mollusca, Gastropoda): conserved ........................................................................................................... 76

Opinion 1664. *RISSOIDAE* GRAY, 1847 (Mollusca, Gastropoda): given precedence over *TRUNCATELLIDAE* Gray, 1840 ................................................................. 78


Opinion 1666. *Aphrodita imbricata* Linnaeus, 1767 (currently *Harmothoe imbricata*) and *Aphrodita minutula* Fabricius, 1780 (currently *Pholoe minutula*) (Annelida, Polychaeta): specific names conserved ............................................................................................................... 83

Opinion 1667. *Thalassochernes* Beier, 1940 (Arachnida, Pseudoscorpionida): *Chelifer taiensis* With, 1907 designated as the type species ............................................................................................................... 85


Opinion 1670. *Calliphora vicina* Robineau-Desvoidy, 1830 (Insecta, Diptera): specific name conserved ............................................................................................................... 90

Opinion 1671. *Strophomera* de Blainville, 1824 (Brachiopoda): *Leptaena planumbona* Hall, 1847 designated as the type species ............................................................................................................... 91


Opinion 1673. *LIPIARIDAE* Gill, 1861 (Osteichthyes, Scorpaeniformes): spelling confirmed ............................................................................................................... 95

Opinion 1674. *THRESKIORNITHIDAE* Poche, 1904 (Aves, Ciconiiformes): given precedence over *PLATALEIDAE* Bonaparte, 1838 and *EUROCMIDAE* Bonaparte, 1854 ............................................................................................................... 97

Instructions to Authors ............................................................................................................... 100
## CONTENTS

<table>
<thead>
<tr>
<th>Notices</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The International Commission on Zoological Nomenclature and its publications</td>
<td>1</td>
</tr>
<tr>
<td>Addresses of members of the Commission</td>
<td>2</td>
</tr>
<tr>
<td>International Trust for Zoological Nomenclature</td>
<td>3</td>
</tr>
<tr>
<td>Official Lists and Indexes of Names and Works in Zoology — Second Supplement to 1990</td>
<td>4</td>
</tr>
<tr>
<td>The International Code of Zoological Nomenclature</td>
<td>4</td>
</tr>
<tr>
<td>Bulletin of Zoological Nomenclature — Back Copies</td>
<td>5</td>
</tr>
<tr>
<td>Bulletin of Zoological Nomenclature — Crustacea and Mollusca Offprints</td>
<td>5</td>
</tr>
</tbody>
</table>

**Applications**

<table>
<thead>
<tr>
<th>Bucephalus Baer, 1827 and B. polymorphus Baer. 1827 (Trematoda): proposed conservation in their accepted usage. B. Baturo</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balea Gray, 1824 (Mollusca, Gastropoda): proposed conservation. A. Warén</td>
<td>12</td>
</tr>
<tr>
<td>Xeromunda Monerosato, 1892 (Mollusca, Gastropoda): proposed designation of <em>Helix candiota</em> Mousson, 1854 as the type species. F. Giusti &amp; G. Manganelli</td>
<td>16</td>
</tr>
<tr>
<td>Acrolocha Thomson, 1858 (Insecta, Coleoptera): proposed conservation, and Coprophilus Latreille, 1829: proposed designation of <em>Staphylinus striatulus</em> Fabricius, 1792 as the type species. M.K. Thayer</td>
<td>22</td>
</tr>
<tr>
<td>Carabus mollis Marsham, 1802 (currently Calathus mollis; Insecta, Coleoptera): proposed conservation of the specific name. B. Aukema &amp; M.L. Luff</td>
<td>28</td>
</tr>
<tr>
<td>Helophorus Fabricius, 1775 (Insecta, Coleoptera): proposed conservation as the correct original spelling. R.B. Angus</td>
<td>30</td>
</tr>
<tr>
<td>Meladema Laporte, 1835 (Insecta, Coleoptera): proposed conservation. A.N. Nilsson</td>
<td>32</td>
</tr>
<tr>
<td>Mycetopus Mannerheim, 1831 (Insecta, Coleoptera): proposed designation of <em>Tachinus punctus</em> Gravenhorst, 1806 as the type species; proposed conservation of <em>Ischnosoma</em> Stephens, 1829; and proposed precedence of <em>Mycetopus</em> over <em>Ischnosoma</em>, J.M. Campbell</td>
<td>35</td>
</tr>
<tr>
<td>Rhipidocystis Jaekel, 1901 (Echinodermata, Eocrinoida): proposed designation of <em>R. baltica</em> Jaekel, 1901 as the type species. S.V. Rozhnov</td>
<td>41</td>
</tr>
<tr>
<td>Graptolitites clintonensis (currently Monograptus clintonensis; Graptolithina): proposed attribution to Hall, 1852, and designation of a lectotype. D.K. Loydell</td>
<td>43</td>
</tr>
<tr>
<td>Monograptus crenulatus (currently Monoecilmaeae crenulata; Graptolithina): proposed attribution of the specific name to Elles &amp; Wood, 1911, and proposed designation of a lectotype. D.K. Loydell, E.E. Bull &amp; P. Storch</td>
<td>46</td>
</tr>
<tr>
<td>Scylliorhinus atlanticus Koefoed, 1927 (currently Apristurus atlanticus; Chondrichthyes, Carcharhiniformes): proposed conservation of the specific name. K. Nakaya &amp; B Séret</td>
<td>49</td>
</tr>
<tr>
<td>Dinodontosaurus Romer, 1943 (Reptilia, Synapsida): proposed conservation. S.G. Lucas</td>
<td>52</td>
</tr>
</tbody>
</table>

**Comments**

On the article *Problems in the Nomenclature of Higher Taxonomic Categories* by Ya.I. Starobogatov. A.P. Rasnitsyn | 62   |

*Continued on Inside Back Cover*
THE BULLETIN OF ZOOLOGICAL NOMENCLATURE

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BULLETIN OF ZOOLOGICAL NOMENCLATURE

Volume 49, part 2 (pp. 101–180) 25 June 1992

Notices

(a) Invitation to comment. The Commission is authorised to vote on applications published in the Bulletin of Zoological Nomenclature six months after their publication, but this period is normally extended to enable comments to be submitted. Any zoologist who wishes to comment on any of the applications is invited to send his contribution to the Executive Secretary of the Commission as quickly as possible.

(b) Invitation to contribute general articles. At present the Bulletin comprises mainly applications concerning names of particular animals or groups of animals, resulting comments and the Commission’s eventual rulings (Opinions).

Articles or notes of a more general nature are actively welcomed provided that they raise nomenclatural issues, although they may well deal with taxonomic matters for illustrative purposes. It should be the aim of such contributions to interest an audience wider than some small group of specialists.

(c) Receipt of new applications. The following new applications have been received since going to press for volume 49, part 1 (published on 26 March 1992). Under Article 80 of the Code, existing usage is to be maintained until the ruling of the Commission is published.

(1) Trachypora Milne-Edwards & Haime, 1851 (Cnidaria, Tabulata): proposed designation of T. elegantula Billings, 1860 as the type species. (Case 2745). F. Tourneur.

(2) Conservation of usage of generic names in the Buprestidae Leach, 1815 (Insecta, Coleoptera): proposed conservation of Phaenops Dejean, 1833 and Palmar Schaefer, 1949, together with the designation of Buprestis acuminata DeGeer, 1774 and B. variolosa Paykull, 1799 as the type species of Melanophila and Poecilonota Eschscholtz, 1829 respectively. (Case 2837). H. Mühle.


(8) Xylotrogus brunneus Stephens, 1830 (currently Lyctus brunneus) and Cryptophagus advena Waltl, 1834 (currently Ahasverus advena) (Insecta,
Coleoptera): proposed conservation of the specific names. (Case 2846). R.D. Pope.

(d) Rulings of the Commission. Each Opinion, Declaration or Direction published in the Bulletin constitutes an official ruling of the International Commission on Zoological Nomenclature, by virtue of the votes recorded, and comes into force on the day of publication of the Bulletin.

The European Association for Zoological Nomenclature

The European Association for Zoological Nomenclature has recently been established to facilitate liaison between European zoologists and the Commission, and to support the Commission's work. Members will receive a yearly Newsletter with information on the activities of the Association and Commission, and will be able to buy the Code and the Official Lists and Indexes at substantial discounts.

The Association's President is Dr V. Mahnert (Switzerland), the Vice-President Dr I.M. Kerzhner (Russia), the Secretary Dr E. Macpherson (Spain) and the Treasurer Dr M.A. Alonso-Zarazaga (Spain). Other members of the Inaugural Council are Dr H.M. André (Belgium), Dr J.-P. Hugot (France), Prof A. Minelli (Italy) and Dr C. Nielsen (Denmark). Membership of the Association is open to all European zoologists; further details can be obtained from Dr E. Macpherson, Instituto de Ciencias del Mar, Paseo Nacional, s/n 08039 Barcelona, Spain.

The International Code of Zoological Nomenclature

The Third Edition (published 1985) supersedes all earlier versions and incorporates many changes.

Copies can be ordered from I.T.Z.N., c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K. or A.A.Z.N., c/o NHB Stop 163, National Museum of Natural History, Washington D.C. 20560, U.S.A. The cost is £19 or $35, but members of the American Association for Zoological Nomenclature or the European Association for Zoological Nomenclature are offered the reduced price of £15 or $29; payment should accompany orders.

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The Official Lists and Indexes of Names and Works in Zoology was published in 1987. This book gives details of all the names and works on which the Commission has ruled since it was set up in 1895, up to 1985; there are about 9,900 entries.

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**Bulletin of Zoological Nomenclature — Crustacea and Mollusca**

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The International Trust for Zoological Nomenclature is offering a subscription for individual zoologists wishing to receive offprints of all cases in particular disciplines. For an annual payment of £15 or $25 subscribers will receive copies of all Applications, Comments and Opinions relating to either the Crustacea or the Mollusca as soon as they are published in the *Bulletin of Zoological Nomenclature*. Offprints are available back to 1980.

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Back copies of all the volumes of the *Bulletin*, and of most volumes of the *Opinions and Declarations* that were published concurrently with vols. 1–16 of the *Bulletin*, are still available. Prices on application to I.T.Z.N., c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K.
Case 2788

*Mopsea* Lamouroux, 1816 (*Cnidaria, Anthozoa*): proposed designation of *Isis enocrinula* Lamarck, 1815 as the type species

Philip Alderslade

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Abstract. The purpose of this application is to conserve the designation by Nutting (1910) of *Isis enocrinula* Lamarck, 1815 as the type species of the coral genus *Mopsea* Lamouroux, 1816 (family *ISIIDAE*). An earlier designation was of *Isis dichotoma* Linnaeus, 1758, an unidentifiable species of a different family. Species placed in *Mopsea* are found on the Australian continental shelf, in Antarctic waters, New Caledonia and the Moluccas but the group is paraphyletic.

1. The genus *Mopsea* was established by Lamouroux (1816, p. 465) in the family Isideae (now *ISIIDAE*) with the originally included nominal species *Mopsea verticillata* Lamouroux (1816, p. 467) and *Mopsea dichotoma* (see paras. 3 and 4 below). *Mopsea verticillata* was a new name for *Isis enocrinula* Lamarck, 1815 (p. 415) and was clearly based on specimens, as shown by Lamouroux’s characteristic notation ‘Museum d’Hist. Nat.’ and Lamarck’s ‘Mus., no.’ in their descriptive accounts. Lamouroux cited Lamarck’s name *enocrinula* in the synonymy of *verticillata* and defined the species almost verbatim in Lamarck’s words (Lamarck wrote ‘subbipinnatis’ and Lamouroux wrote ‘subpinnatis’ which was probably nothing more than a transcription error). Lamouroux gave no justification for the new name and it is not certain whether *verticillata* and *enocrinula* are objective or subjective synonyms.

2. Extensive investigations of relevant specimens at the Université de Caen and the Muséum National d’Histoire Naturelle in Paris have been conducted by Mme M.-J. d’Hondt who has made available to me fragments of three lots from the Lamarck Collection in Paris. There are indications that amongst this material is not only the specimen(s) apparently used by Lamarck for establishing *Isis enocrinula* but possibly also that used by Lamouroux for *Mopsea verticillata*. All the material seems to belong to a single taxonomic species.

(i) The largest lot is labelled ‘Isis enocrinula. Lk. *Mopsea verticillaris*. Lamx. De La N[ou]velle Hollande par MM Péron and Lesueur 1809’. Mme d’Hondt has indicated that this has been treated by the Museum as the type of *Isis enocrinula*. The specimen has been recently illustrated and described by Bayer & Stefani (1987, pl. 18, fig. 1). I designate it as the lectotype of *Isis enocrinula* Lamarck, 1815.

(ii) The second lot consists of three fragments and has also been illustrated by Bayer & Stefani (1987, pl. 18, fig. 2). It is accompanied by the following three labels: (a) ‘g. *verticillaris. var?’ in ink in the handwriting of Lamarck; (b) ‘Espèce nouvelle voisine des Gorgonie mais à axe articulé’ in pencil, thought to be possibly in the handwriting of...
Lamouroux; (c) ’Isis, Gorgonia verticillaris. Lk. var? Primnoa verticillaris. Milne Edw. et J. Haime. Antilles’ in an unknown hand. My research indicates that the species is endemic to Australian waters and would not be found in the Antilles, and Mme d’Hondt has suggested that ‘Antilles’ is a transcription error for ‘Australasie’.

(iii) The last specimen consists of three very small fragments accompanied by labels ‘Isis encrinula’ and ‘Isis encrinule. Isis encrinula nouv. holl.’ in Lamarck’s handwriting.

3. Lamouroux (1812, p. 188) had earlier published the nomen nudum Melitea verticillaris, and its taxonomic position was disputed by Lamarck (1815, p. 410) who stated that it should be placed in Isis, based on axial characteristics. When Lamouroux (1816, p. 465) established Mopsea verticillata he indicated that the same material was involved: ‘Ces Polypiers, que j’avais mis d’abord parmi les Mélitées à cause du peu d’épaisseur de l’écorce, et que M. de Lamarck a remplacé parmi les Isis, forment un genre bien distinct de l’ordre des Isidées’. Mme d’Hondt has suggested that it is quite possible that the material alluded to by Lamouroux is that referred to in (ii) above. She has pointed out that in the preliminary remarks (1812, p. 182) preceding his synopsis Lamouroux indicated that the work that followed was an improvement on Lamarck’s earlier generic arrangement, and included the Australian material collected by Péron and Lesueur which was on display in the public galleries of the Muséum. If the labels and their glued positions on the display base are taken into account it could be inferred that Lamarck was the first to have seen that specimen, which he called ‘g. verticillaris, var?’ and that the second label, commenting on the axis, was applied by Lamouroux who subsequently employed the nomen nudum Melitea verticillaris for this specimen, and in 1816 the name Mopsea verticillata. However, Mme d’Hondt, whose hypothesis fits the available evidence very well, admits that it is likely to remain forever conjectural whether this specimen was seen by Lamouroux. There is also doubt as to the status of the fragments in (i) above. When Lamarck (1815) disputed Lamouroux’s taxonomic positioning of Melitea verticillaris he also established Isis encrinula in the same article, apparently not realising the similarities. It is possible he based Isis encrinula on the fragments in (iii) above, as the label on lot (i) mentions Mopsea which was not published until 1816. Bayer & Stefani (1987) had not seen lot (iii) above but considered the first two to be identical and even suggested that they may be portions of the same colony.

4. Mopsea dichotoma was originally established as Isis dichotoma by Linnaeus (1758, p. 799) on the basis of a figure and brief description of ‘Hippuris coralloides carnea, CAPENSIS, geniculus limosis’ published by Petiver (1702, p. 7, pl. 3, fig. 10). Isis dichotoma was described more fully by Pallas (1766, p. 229) evidently on the basis of a specimen which might or might not have been the same species as Petiver’s.

5. Mopsea dichotoma appears to have been included by Lamouroux (1816) solely on the strength of the previously published accounts he cited (Petiver, 1702; Seba, [1759]; Pallas, 1766; Esper, 1788; Gmelin, [1791]; Lamarck, 1815) since he did not mention any specimens. He did however make reference to Lamarck’s account (1815, p. 415) of Isis dichotoma where Lamarck indicated material to hand with his notation ‘Mus., no.’. Lamarck’s brief descriptive remarks were mainly based on the work of Pallas (1766, p. 229) and Esper (1788, p. 43, pl. 5) and he admitted to only having seen a decorticated specimen: ‘Je n’ai pas vu l’écorce; on la dit rouge, et chargée de papilles oscullifères’. The small specimen from the Lamarck collection labelled ‘Isis dichotoma’ in Lamarck’s
handwriting, possibly seen by Lamouroux and kindly made available to me by Mme d'Hondt, is in fact a portion of an articulated Adeona skeleton which is a bryozoan and not a gorgonian. Wright & Studer's (1889, p. 42) statement that the 'original specimens (sic) of Lamarck's Isis dichotoma... agrees (sic) in all particulars' with material from Port Jackson collected on the Challenger expedition cannot be explained. I therefore conclude that neither Lamarck nor Lamouroux had an actual specimen attributable to Isis dichotoma Linnaeus. However, any specimens that may have been used by Pallas and later authors (including Lamarck) in describing Isis dichotoma are completely irrelevant to the identification of Linnaeus's species which was based solely on Petiver's (1702) account.

6. Isis dichotoma Linnaeus, 1758 was made the sole species of a new genus Mopsella by Gray ([1858], p. 284) which evidently belongs to the scleraxonian family Melithaeidae rather than to the holaxonian family Isididae Kükenthal, 1924 (p. 65). The axial characters of the decorticated South African species illustrated by Petiver clearly indicate that it was a melithaeid. Several melithaeids, including 'Melitodes dichotoma (Pallas)’ reported by Hickson (1900, p. 80) and Wrightella coccinea Gray, 1870, have been reported from South Africa and the specific identity of Isis dichotoma will never be known with certainty but it is certainly not an isidid.

7. The first designation of a type species of Mopsea is that by Milne Edwards & Haime (1850, p. lxxxi) who selected Mopsea dichotoma, remarking only that the axis differed from Isis in originating from the horny nodes rather than from the calcareous segments. This indicates that they believed Mopsea dichotoma to be an isidid on the basis of published accounts and (like Lamouroux) had failed to take note of the swollen nature of the horny axial nodes shown in Petiver’s illustration, which in fact places it with Lamouroux’s (1816, p. 458) Melitea group subsequently included in the Melithaeidae. Accepting Isis dichotoma as the type species is obviously unsatisfactory. Lamouroux, it seems, had no material on hand and based the species solely on published accounts that he incorrectly interpreted. Its recognition as the type species would make Mopsea a nomen dubium in the Melithaeidae as the senior objective synonym of Mopsella Gray, [1858]. Species of Isididae now assigned to Mopsea would require a new generic name. The problem created by the designation of Isis dichotoma as the type species of Mopsea was recognised by Bayer & Stefani (1987, p. 57) but no remedial action was taken.

8. Nutting (1910, p. 17), unaware of the (1850) type designation by Milne Edwards & Haime, designated Mopsea encrinula (i.e. Isis encrinula Lamarck, 1815) as the type species of the genus. Nutting’s invalid designation of Isis encrinula reflects consistent usage of the name Mopsea, and unquestionably represents Lamouroux’s original concept of it. Lamouroux’s definition of the genus establishes the colony form as pinnately branched (‘à rameaux pinnés’) as is the case with Isis encrinula.

9. The name Mopsea encrinula (Lamarck, 1815) has been used by all authors since Ehrenberg (1834, p. 355), occurring in at least 16 publications. A representative list of references, additional to those cited in this application, is held by the Commission Secretariat. Kükenthal’s summary of the gorgonians (1924, p. 437) recognised 11 nominal species of Mopsea. Kükenthal overlooked the publication of Briggs (1915) containing a further two species, and six species have been added to the genus since then (Thomson & Rennet, 1931; Tixier-Durivault, 1970; Utinomi, 1975; Bayer & Stefani, 1987).
10. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to set aside all designations of type species for the nominal genus *Mopsea* Lamouroux, 1816 prior to that by Nutting (1910) of *Isis encrinula* Lamarck, 1815;

(2) to place on the Official List of Generic Names in Zoology the name *Mopsea* Lamouroux, 1816 (gender: feminine), type species by subsequent designation by Nutting (1910) *Isis encrinula* Lamarck, 1815, as ruled in (1) above;

(3) to place on the Official List of Specific Names in Zoology the name *encrinula* Lamarck, 1815, as published in the binomen *Isis encrinula* (specific name of the type species of *Mopsea* Lamouroux, 1850), and as defined by the lectotype designated in para. 2 of this application.

**Acknowledgements**

This submission could not have been compiled without the extensive research efforts of Mme Marie-José d’Hondt of the Muséum National d’Histoire Naturelle, Paris, and her willingness to loan me valuable material from the Lamarck Collection, for which I am extremely grateful. I thank Frederick Bayer for constructive criticism. This work has been improved by discussions with Hal Cogger, Sandy Bruce, Helen Larson, Lyle Vale, Ann Hoggett and especially Carden Wallace.

**References**


Case 2801

Potamolithus Pilsbry, 1896 (Mollusca, Gastropoda): proposed confirmation of P. rushii Pilsbry, 1896 as the type species

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Abstract. The purpose of this application is to conserve the nominal genus Potamolithus from Pilsbry (1896, December), with P. rushii Pilsbry, 1896 as the type species, in accordance with universal acceptance. The generic name is available from a paper by Pilsbry & Rush (1896, November) which appeared a month earlier, but P. rushii was there only a nomen nudum and so not eligible to be the type species. Species of Potamolithus (family HYDROBIIDAE, subfamily LITHOGLYPHINAE) typically inhabit freshwater streams in the Neotropical region and are of considerable biogeographical and palaeontological interest.

1. The generic name Potamolithus first appeared, without description, in a paper by Pilsbry & Rush (1896, November, p. 80). Most of the 16 nominal species and subspecies included in the genus (including rushii; see para. 2 below) were nomina nuda and only four had available names: Lithoglyphus buschii Frauenfeld, 1865 (p. 530, pl. 11), Paludina lapidum d’Orbigny, 1835 (p. 29) and Lithoglyphus tricostatus and L. conicus, both of Brot, 1867 (pp. 68 and 69, pl. 1, figs. 4 and 5 respectively). The authors noted (p. 78, footnote) that ‘the... new forms will be described in Proc. Acad. Nat. Sci. Phila. and the next number of Nautilus, space being lacking in this number’. Inclusion of the four available specific names renders the name Potamolithus available by indication (Article 12b(5) of the Code), but to our knowledge none of these nominal species has ever been designated as the type.

2. Subsequently, Pilsbry alone (1896, December, pp. 86–89; see also Clench & Turner, 1962, pp. 131, 175 for the dates of publication) published a second paper, giving a formal definition of the genus Potamolithus (p. 86), and of all its constituent species in the form of a diagnostic key. Pilsbry designated the new species Potamolithus rushii Pilsbry, 1896 (p. 87) as the type. However, rushii was not among the available nominal species included in the November publication and this designation is therefore invalid (Articles 67g and 69a(i)).

3. Pilsbry (1911, p. 566) cited himself alone as the author of the generic name (from the November paper) and rushii as the type species. Other workers have adopted the name Potamolithus from the second (December) paper, crediting authorship to Pilsbry (1896), and have accepted P. rushii as the type species. The genus includes both Recent and fossil species and these workers include Formica Corsi (1900, p. 329), Parodiz (1955, p. 96; 1965a, p. 1; 1965b, p. 273; 1969, p. 111), Jaeckel (1969, p. 814, pl. 3, fig. 65), Clench & Turner (1962, p. 122), Pons da Silva & Davis (1983, p. 131), Davis & Pons da Silva (1984, p. 75), Manceñido & Damborenea (1984, p. 439) and Morton (1987, p. 206).
4. To maintain *P. rushii* Pilsbry, 1896 as the universally accepted type species of *Potamolithus* and authorship of the generic name as Pilsbry (1896), we propose that the Commission should rule that the generic name is to be taken as first available from the second (December) paper, with *P. rushii* as the type. The holotype of *P. rushii*, specimen no. 69686 in the Academy of Natural Sciences of Philadelphia, came from Paysandú on the Uruguay River, Uruguay.

5. The International Commission on Zoological Nomenclature is accordingly asked:

1. to use its plenary powers to rule that the generic name *Potamolithus* is deemed to be first available from Pilsbry (1896, December);
2. to confirm that the type species of the nominal genus *Potamolithus* Pilsbry, 1896 is by original designation *Potamolithus rushii* Pilsbry, 1896;
3. to place on the Official List of Generic Names in Zoology the name *Potamolithus rushii* Pilsbry, 1896 (gender: masculine), type species by original designation, as confirmed in (2) above, *Potamolithus rushii* Pilsbry, 1896;
4. to place on the Official List of Specific Names in Zoology the name *rushii* Pilsbry, 1896, as published in the binomen *Potamolithus rushii* (specific name of the type species of *Potamolithus* Pilsbry, 1896).

Acknowledgements

We gratefully acknowledge earlier correspondence by one of us (M.F.L.A.) with Mr R.V. Melville (former Secretary to the Commission) and editorial assistance from the present Secretariat. Drs G.M. Davis and M.A. Garback (*Academy of Natural Sciences of Philadelphia*) who supplied copies of Pilsbry's original specimen labels, and Dr M. Griffin (*La Plata*) who aided in obtaining relevant bibliography, have also been very helpful.

References


Case 2526

Strombiformis albus Da Costa, 1778 (currently Melanella (Balcis) alba; Mollusca, Gastropoda): proposed conservation of the specific name

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Abstract. The purpose of this application is to conserve the specific name of the prosobranch mollusc Strombiformis albus Da Costa, 1778 which is threatened by the unused senior subjective synonym Turbo laevis Pennant, 1777. The name albus, a senior subjective synonym of Balcis montagui Leach in Gray, 1847, the nominal type species of Balcis Leach in Gray, 1847, is universally in use. The name Balcis relates to a group of species which is considered to be subgenerically distinct from Melanella Bowdich, 1822 (in the world-wide family Eulimidinae Philippi, 1853, which includes more than 4000 species, all parasitic on echinoderms).

1. Pennant (1777, p. 130) described a gastropod species as Turbo laevis. His description was brief: ‘T.[urbo] with eight smooth spires [whorls], nearly obsolete. Tab. lxxix’. Pennant’s plate shows eight very roughly executed drawings but the figures are not distinguished by name, number or any other means. The figure which relates to this description cannot be identified with certainty although the top figure is smooth and may represent it. Da Costa (1778, p. 117) doubtfully included laevis in his new species Strombiformis glaber but neither Pennant’s description nor supposed figure noted the brownish spiral bands characteristic of this species, which are very resistant to wear, remain visible in most fossil specimens and are mentioned by all later authors. Eighteenth and 19th century authors (see, for example, Jeffreys, 1867, pp. 167, 203) considered laevis to be a senior synonym of Balcis alba (Da Costa, 1778) (see para. 3 below), but the name has not been used as valid since it was published.

2. Pennant (1777, p. 130) described a second mollusc as Turbo albus in a similar, very brief manner: ‘T.[urbo] with eight spires, striated transversely [spirally]; white. Tab. lxxix’. The bottom figure on Pennant’s plate fits this description of T. albus but it is not possible to be sure of the identity of this species. Jeffreys (1867, p. 167) considered albus Pennant to be a junior synonym of Turbonilla lactea (Linnaeus, 1758) (family Pyramidellidae) but this is improbable since the latter species has axial sculpture only, like all related pyramidellids.

3. Da Costa (1778, p. 116) proposed the name albus for a ‘milk white’ species in his genus Strombiformis and indicated that he was unsure whether it was the same as Turbo albus Pennant. Da Costa’s description was brief but it leaves little doubt that he was referring to a taxon distinct from T. albus Pennant, 1777 (see also para. 6). Donovan (1804, pl. 177, text) was the first author to give a clear description and illustration of Da Costa’s species, although he uncritically accepted that Pennant had been dealing with the same taxon. Almost all subsequent authors have ignored Pennant’s name and
have adopted *albus* Da Costa (1778) as valid. The meaning of Pennant’s name is unclear but it is desirable that it be suppressed to avoid confusion.

4. Pulteney (1799, p. 49), in a work approved as available by the Commission (Opinion 1233, December 1982), included a species *polita* in *Helix*, citing *Turbo laevis* Pennant in synonymy. Montagu (1803, p. 398) followed Pulteney, citing *Turbo politus* Gmelin (i.e. Linnaeus) and *T. laevis* Pennant as synonyms of *polita*. Both Pulteney and Montagu described the species and subsequently (Montagu, 1808, p. 141; Rackett in Pulteney, 1813, p. 55) *Strombiformis albus* Da Costa was listed as a synonym. Gmelin’s species *politus* ([1791], p. 3612) is that of Linnaeus (1758, p. 767; see Gmelin, [1792], pp. 4058, 4112) but the descriptions of Pulteney and Montagu could not have been based on *politus* Linnaeus, from the Mediterranean, since the latter is not known from Britain. There has been confusion in the past over the usages of the name *politus* Linnaeus and *politus* sensu Montagu (see para. 6).

5. Gray (1847a (October), p. 271) published Leach’s page-proof name *Balcis*. Two of the included nominal species, *testacea* and *arcuata*, are nomina nuda. The third, *montagui*, is available by indication (Article 12b(1) of the Code). Gray wrote ‘*Balcis montagui*. *Helix polita* Mont.’, referring to Montagu’s (1803) description of *polita*. Evidently Leach had realized that Montagu had not been dealing with *T. politus* Linnaeus. The nominal species *montagui* is thus the type of *Balcis* by monotypy, and the later designation by Gray (1847b (November), p. 160) of *Helix subulatus* Donovan, 1804 is invalid; *subulatus* was not a nominal species included in the genus in the October publication.

6. Hanley (1855, p. 354) reported the earlier presence of ‘a wretched example’ of *Turbo politus* in Linnaeus’s material, which could not then be found (Dance, 1966, p. 22 doubted the existence of such a specimen), and noted the discrepancy in size between Linnaeus’s species *politus* (‘grani hordei [barley grain] magnitudine’) and that called *politus* by Montagu (15-20 mm.). Jeffreys (1867, pp. 167, 203) and other authors of that time used *politus* Linnaeus to include *politus* sensu Montagu (=*montagui* Leach in Gray). Martel (1905, p. 328), however, pointed out that malacologists were confusing two species and considered that the name *Turbo politus* Linnaeus referred exclusively to a small Mediterranean species, while the much larger Atlantic species should be called *Eulima alba* (Da Costa). Dautzenberg (1927, p. 162) followed this view. Both Martel and Dautzenberg considered that Da Costa (1778) had been in error in referring, even doubtfully, under his name *Strombiformis albus* to Pennant’s (1777) *Turbo albus*, which was not a eulimid but possibly a young turritellid. Dautzenberg thought that Da Costa had confused the figures on Pennant’s plate; he also noted that *T. laevis* Pennant was an earlier synonym of *albus* Da Costa. Winckworth (1934, pp. 12–13) discussed the nomenclature of the British genera of **Eulimidae** and concluded that ‘*B.[alcis] montagui = B. alba* (Da Costa)’ was the valid type species of *Balcis* Leach, but did not mention the earlier name *Turbo albus* Pennant. This notation for the type species was followed by Wenz (1940, p. 835).

7. The specific name *alba* Da Costa, 1778 is much in use (see, for example, the recent works of Cabioch, Grainger, Keegan & Kônnecker (1978), Sabelli, Giannuzzi-Savelli & Bedulli (1990, pp. 34, 184) and Smith & Heppell (1991, p. 28)) and it is very desirable to maintain stability of its nomenclature. The species is placed either in *Balcis* Leach in Gray, 1847 or in *Melanella* Bowdich, 1822 (p. 27); I consider that *Balcis* should be regarded as a subgenus of *Melanella*. There are a few later subjective synonyms (*Eulima*
anglica Sowerby, 1834, *E. porcellana* and *E. subangulata*, both of Sowerby, 1866) but none has been used since the original description; introduction of any of these names would cause confusion. The species was figured by Fretter & Graham (1982, p. 415, fig. 298), Warén (1984, p. 32, figs. 49, 50) and Graham (1988, p. 526, fig. 224). I designated a specimen from Plymouth, U.K. (Winckworth collection) in the Natural History Museum, London as the neotype (specimen no. BM(NH) 1984126; see Warén, 1989, p. 222, pl. 26, figs. 3, 4). I also discussed the identity of *T. politus* Linnaeus, now placed in *Melanella* Bowdich, 1822, and designated a specimen from the Golf de Gabes, Tunisia in the Zoological Museum, Uppsala as the neotype of this species (see Warén, 1988, pp. 20, 21, fig. 13). I now propose that the specific names of *Turbo laevis* and *T. albus*, both of Pennant (1777), be suppressed.

8. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to suppress the following specific names for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:

(a) *laevis* Pennant, 1777, as published in the binomen *Turbo laevis*;
(b) *albus* Pennant, 1777, as published in the binomen *Turbo albus*;

(2) to place on the Official List of Generic Names in Zoology the name *Balcis* Leach in Gray, 1847 (gender: feminine), type species by monotypy *Balcis montagui* Leach in Gray, 1847 (a junior subjective synonym of *Strombiformis albus* Da Costa, 1778);

(3) to place on the Official List of Specific Names in Zoology the name *albus* Da Costa, 1778, as published in the binomen *Strombiformis albus* and as defined by the neotype designated by Warén (1989) (senior subjective synonym of the specific name of *Balcis montagui* Leach in Gray, 1847, the type species of *Balcis* Leach in Gray, 1847);

(4) to place on the Official Index of Rejected and Invalid Specific Names in Zoology the following names:

(a) *laevis* Pennant, 1777, as published in the binomen *Turbo laevis* and as suppressed in (1)(a) above;
(b) *albus* Pennant, 1777, as published in the binomen *Turbo albus* and as suppressed in (1)(b) above.

References


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Rackett, T. 1813. Pulteney’s Catalogues of the birds, shells, and some of the more rare plants of Dorsetshire... With additions; and a brief memoir of the author. iv, 110 pp., 23 pls. Author, London.


Case 2789

Amicytheridea Bate, 1975 (Crustacea, Ostracoda): proposed designation of Amicytheridea triangulata Bate, 1975 as the type species

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Abstract. The purpose of this application is the designation of Amicytheridea triangulata Bate, 1975, a species from Middle Callovian (Middle Jurassic) beds of Tanzania, as the type species of the ostracod genus Amicytheridea Bate, 1975 (Progonocytherideidae). Bate originally designated Procytheridea ihopyensis Grekoff, 1963 as the type species, but misidentified his material which belongs to an as yet unnamed taxon; it is proposed that the second originally included species, A. triangulata, be designated as the type.

1. Bate (1975, p. 190) established the genus Amicytheridea from Middle Callovian beds of Tanzania and included two nominal species in it: Procytheridea ihopyensis Grekoff, 1963 (p. 1747), which he designated as the type species, and the new species Amicytheridea triangulata Bate, 1975 (p. 192), for which the holotype was deposited in The Natural History Museum, London (specimen No. Io. 6114). A. triangulata was fully described and illustrated (pp. 192–193, pl. 7, figs. 14–16, text-figs. 11a–c). Comparison of Grekoff’s pl. 6 (P. ihopyensis) with Bate’s pl. 7 caused Neale (1982, p. 184) to realize that the (still not named) species considered to be Procytheridea ihopyensis by Bate is not conspecific with that described by Grekoff (1963) from the Bathonian/Callovian of the Majunga Basin, Madagascar. The holotype of P. ihopyensis is deposited at the Institut Français du Pétrole, Rueil-Malmaison, France (specimen no. H279).

2. Given that Bate’s specimens from Tanzania are not conspecific with that of Procytheridea ihopyensis described by Grekoff (1963), Bate’s species could be designated as the type species of Amicytheridea under a new name, or the second of the two originally included species (i.e. triangulata) could be designated as the type. We prefer the latter course. Except for a lesser number of anterior marginal pore canals, triangulata shows all the essential characteristics of the genus as described by Bate (1975).

3. Realizing that Bate had misidentified Procytheridea ihopyensis, Dépêche (in Dépêche, Le Nindre, Manivit & Vaslet, 1987, p. 230) revised Amicytheridea and (p. 231) designated A. oblonga, a newly described species from the Middle Callovian of central Saudi Arabia, as the type species. This designation is invalid both because the ‘replacement’ of Bate’s original designation was done without reference to the Commission (Article 70b of the Code) and because A. oblonga was not an originally included species.

5. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to set aside all previous designations of type species for the nominal genus *Amicytheridea* Bate, 1975, and to designate *Amicytheridea triangulata* Bate, 1975 as the type species;

(2) to place on the Official List of Generic Names in Zoology the name *Amicytheridea* Bate, 1975 (gender: feminine), type species by designation in (1) above *Amicytheridea triangulata* Bate, 1975;

(3) to place on the Official List of Specific Names in Zoology the name *triangulata* Bate, 1975, as published in the binomen *Amicytheridea triangulata* (specific name of the type species of *Amicytheridea* Bate, 1975).

References


Case 2794

Gerris paludum Fabricius, 1794 (currently Aquarius paludum; Insecta, Heteroptera): proposed conservation of the specific name

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Abstract. The purpose of this application is to conserve the specific name of the waterstrider Gerris paludum Fabricius, 1794 by the suppression of the virtually unused senior subjective synonym alatus Retzius, 1783, originally published for a 'variety' of Aquarius najas (De Geer, 1773).

1. When describing Cimex najas, De Geer (1773, p. 311) distinguished two forms, both of which he illustrated: one was wingless (tab. 16, figs. 8, 9), the other winged and with two spines posteriorly (tab. 16, figs. 7, 13).

2. Retzius (1783, p. 89), in his interpretation of insect species described by De Geer (1773), applied the name var. αapterus to the wingless form of Cimex najas and var. β alatus to the winged form with two posterior spines.

3. Reuter (1988, p. 716) listed Cimex najas var. αapterus Retzius, 1783 as Gerris najas (De Geer) and var. β alatus Retzius, 1783 as a synonym of G. paludum Fabricius, 1794 (p. 188). In De Geer’s collection in the Natural History Museum, Stockholm, there are two wingless females of what is currently called Aquarius najas (De Geer) and one winged female of what is currently A. paludum (Fabricius). The latter is probably the specimen De Geer (1773) described as the winged and spinous form of his Cimex najas and which Retzius (1783) named var. alatus.

4. If Retzius’s names are treated as names of subspecific rank, alatus Retzius, 1783 has priority over paludum Fabricius, 1794. However, Retzius’s names had never been used to denote species-group taxa until Kanyukova (1982, p. 74) implied that Gerris paludum Fabricius, 1794 could be replaced by G. alatus Retzius, 1783: she referred to the rule (Article 45e of the 1964 Code) which stated that ‘variety’ names given before 1961 were to be interpreted as subspecific. On the other hand, the Fabrician name has been adopted in the literature (taxonomic as well as ecological) since the early 19th century (a list of 10 representative works is held by the Commission Secretariat).

5. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to suppress the name alatus Retzius, 1783, as published in the trinomen Cimex najas var. alatus, for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;

(2) to place on the Official List of Specific Names in Zoology the name paludum Fabricius, 1794, as published in the binomen Gerris paludum and as interpreted by the lectotype designated by Andersen (1990, p. 59);
(3) to place on the Official Index of Rejected and Invalid Names in Zoology the name *alatus* Retzius, 1783, as published in the trinomen *Cimex najas var. alatus* and as suppressed in (1) above.

References


Case 2772

Chrysobothris Eschscholtz, 1829 and Dicera Eschscholtz, 1829 (Insecta, Coleoptera): proposed conservation as the correct original spellings

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Abstract. The purpose of this application is the conservation of the buprestid generic names Chrysobothris and Dicera Eschscholtz, 1829. The names originally appeared as Chrysobotris and Dicerea, but those spellings have not been used.

1. The spellings Chrysobotris and Dicerea were published by Eschscholtz (1829, p. 9). Since the names appear only once, it is impossible to verify from the original paper that misspellings were involved. However, Dr. M.G. Volkovitsch (in litt.) reports that Dr. G. Ljubarskij has examined the original collection of Eschscholtz in the Zoological Museum of Moscow and the spellings Dicera and Chrysobothris were used on the labels.

2. The spelling Chrysobothris (meaning 'gold pits') has been used by all authors from the time of Solier (1833, p. 310) to the present, except Westwood (1838, p. 24) who used the original spelling Chrysobotris.

3. In the case of Dicera, this spelling has been used by all authors from Faldermann (1835, p. 143), Spinola (1837, p. 102) and Mannerheim (1837, p. 53) to the present, except Westwood (1838, p. 24) who used the spelling Diceraea; the Commission Secretariat has a list of 31 references. Leraut (1983, p. 6) drew attention to Eschscholtz’s ‘lapsus calami’ in recording the genus name Dicera, a name that makes no sense (the Greek roots dis = two and cercos = tail, by alluding to the elytral prolongations, make the correct spelling Dicera). He pointed out that although most authors had used Dicera 'Lacordaire, 1835’ this is an unjustified emendation of Dicera Eschscholtz and only the earlier name should be used, in accordance with the Code. He also suggested that the corresponding tribe should be DICEREINI and not DICERCINI as used at present.

4. Westwood (1838, p. 24) designated Buprestis chrysostigma Linnaeus, 1758 (p. 409) as the type species of Chrysobothris (spelt Chrysobotris) Eschscholtz, 1829, and Buprestis aenea Linnaeus, 1761 (p. 213) as the type species of Dicera (spelt Dicerea) Eschscholtz, 1829. The type species designations in Westwood’s Synopsis of the genera of British insects were accepted as valid in Opinion 71 (January 1922). The dates of publication of the work were set out in Direction 63 (June 1957).

5. Chrysobothris and Dicera are the type genera of CHRYSOBOTHRINI Gory & Laporte, [1839] and DICERCINI (‘Dicercites’) Kerremans, 1893 (p. 107).

In November 1991 an independent application for the conservation of the spelling of Dicera was received from Herr Hans Mühle (Pfarrstrasse 10, D-8063 Pfaffenhofen/Glonn, Germany).
6. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to rule that the correct original spellings of the generic names Chrysobothris Eschscholtz, 1829 and Dicera Eschscholtz, 1829 are Chrysobothris and Dicera respectively;

(2) to place on the Official List of Generic Names in Zoology the following names:
   (a) Chrysobothris Eschscholtz, 1829 (gender: feminine), type species by subsequent designation by Westwood ([1838] Buprestis chrysostigma Linnaeus, 1758;
   (b) Dicera Eschscholtz, 1829 (gender: feminine), type species by subsequent designation by Westwood ([1838] Buprestis aenea Linnaeus, 1761;

(3) to place on the Official List of Specific Names in Zoology the following names:
   (a) chrysostigma Linnaeus, 1758, as published in the binomen Buprestis chrysostigma (specific name of the type species of Chrysobothris Eschscholtz, 1829);
   (b) aenea Linnaeus, 1761, as published in the binomen Buprestis aenea (specific name of the type species of Dicera Eschscholtz, 1829);

(4) to place on the Official Index of Rejected and Invalid Generic Names in Zoology the following names:
   (a) Chrysobothris Eschscholtz, 1829 (ruled in (1) above to be an incorrect original spelling of Chrysobothris Eschscholtz, 1829);
   (b) Dicera Eschscholtz, 1829 (ruled in (1) above to be an incorrect original spelling of Dicera Eschscholtz, 1829).

References


Case 2786

TACHINIDAE Fleming, 1821 (Insecta, Coleoptera) and TACHINIDAE Robineau-Desvoidy, 1830 (Insecta, Diptera): proposed removal of homonymy, and TACHYPORIDAE MacLeay, 1825 (Insecta, Coleoptera): proposed precedence over TACHINUSIDAE Fleming, 1821

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Abstract. The name TACHINIDAE Robineau-Desvoidy, 1830 is in universal use for a very large family of Diptera, but is a junior homonym of the staphylinid beetle family-group name TACHINIDAE Fleming, 1821 (based on Tachinus Gravenhorst, 1802). Fleming’s name is a senior synonym of TACHYPORINAE MacLeay, 1825 but is not in current use at any rank. It is proposed that the entire name of Tachinus be taken as the stem to remove homonymy with TACHINIDAE Robineau-Desvoidy, and that the usage of TACHYPORINAE MacLeay be conserved.

1. The beetle name TACHINIDAE, based on Tachinus Gravenhorst, 1802 (p. 134), was first used by Fleming (1821, p. 49) for a group also including Tachyporus Gravenhorst, 1802 (p. 124). His article is usually cited as ‘Leach, 1817’ but it was actually written by Fleming (article signed Q.Q., meaning J. Fleming according to the list of Supplement contributors in vol. 1, p. xxxviii) and was published in July 1821 (according to the list of publication dates given in vol. 6, part 2).

2. Family-group names based on Tachinus were used by several authors during the 19th century for a group also including Tachyporus. Almost all of these authors attributed the family-group name to Mannerheim (1830, p. 11). The catalogues of Agassiz (1846a, pp. 157–158; 1846c, p. 360) and Handlirsch (1925, p. 573) listed uses including that by ‘Leach, 1817’, i.e. Fleming (1821). Agassiz (1846c, p. 360) gave the emendation TACHINOIDAE with each name.

3. MacLeay (1825, p. 49) first proposed the name TACHYPORIDAE, implicitly based on Tachyporus. Numerous uses of names based on this genus (for taxa including Tachinus as well) followed. Apparently because most authors regarded Mannerheim (1830) as the author of TACHINIDAE (under which interpretation that name is a junior synonym of TACHYPORIDAE MacLeay, 1825), family-group names based on Tachyporus have been in virtually universal use since 1840 for taxa including Tachinus and Tachyporus (and additional genera). A list of more than 50 references showing this usage (selected from a much larger number) is held by the Commission Secretariat.
4. Tachyporinae MacLeay, 1825 is the next oldest name after Fleming's 1821 name in the current concept of the staphylinid subfamily, which includes over 30 genera and 1300 species around the world. The widespread and consistent use of this name for the past century and a half argues for giving it precedence over a name based on Tachinus.

5. In recent decades, family-group names based on Tachinus have been used by Coiffait (1954, p. 48), Coiffait & Sáiz (1968, p. 413) and Outerelo & Gamarra (1985, p. 116). These names were used for groups explicitly subordinate to Tachyporinae and excluding Tachyporus; no usage earlier than Coiffait (1954) was discussed. Such a group is not presently in general use (e.g. not by Coiffait, 1982), and there are no existing family-group names based on any genus placed with Tachinus in a taxon excluding Tachyporus.

6. In Diptera, Tachinidae dates from Robineau-Desvoidy (1830, p. 185), who proposed 'Tachinariae' based on Tachina Meigen, 1803 (p. 280) as a stirps (section) of his tribe Entomobiae, family Calypteratae. This name was cited by Agassiz (1846b, p. 38; 1846c, p. 360), in the second instance as the emendation TACHINOIDAE without comment on the homonymy with the name in Coleoptera.

7. The name Tachinidae was used universally for this dipterous family from 1830–1909, in the early years at various ranks and with a variety of endings. Hendel's (1908) resurrection of the long-buried names of Meigen (1800) brought up the name Larvaevora Meigen (1800, p. 38) as a senior synonym of Tachina, resulting in the family name Larvaevoridae. This change was widely resisted, with resulting divergence of usage beginning in 1910, but with usage of Tachina and Tachinidae predominating. The literature was reviewed by Sabrosky (1952; BZN 6: 131–141), who presented (1954; BZN 9: 225–240) the results of a world-wide questionnaire concerning usage of Meigen (1800) versus Meigen (1803) names. The work by Meigen (1800) was suppressed by the Commission (1963) in Opinion 678, and dipterists rapidly put the long-festering dispute behind them. Since then (or even before, in anticipation of the ruling) usage of Tachinidae Robineau-Desvoidy, 1830 has been virtually unanimous.

8. The Tachinidae are a large, important and varied family, perhaps second in size to the Tipulidae among the families of Diptera, with an estimated 8200 species worldwide. Many species are of economic importance as parasites of insect pests. The classification of the family is difficult and delimitation of genera is a matter of much difference of opinion. For example, Sabrosky & Arnaud (1965) listed 414 genera in America north of Mexico, but Wood (1987) recognized fewer than 300 genera in the same area.


10. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers:
   (a) to rule that for the purposes of Article 29 the stem of the generic name Tachinus Gravenhorst, 1802 is TACHINUS-;
   (b) to rule that family-group names based on Tachyporus Gravenhorst, 1802 are to be given precedence over those based on Tachinus Gravenhorst, 1802;
(2) to place on the Official List of Generic Names in Zoology the following names:
(a) *Tachina* Meigen, 1803 (gender: feminine), type species by subsequent designation by Brauer (1893, p. 489) *Musca grossa* Linnaeus, 1758 (p. 596);
(b) *Tachinus* Gravenhorst, 1802 (gender: masculine), type species by subsequent designation by Latreille (1810, p. 427) *Staphylinus rufipes* Linnaeus, 1758 (p. 423);
(c) *Tachyporus* Gravenhorst, 1802 (gender: masculine), type species by subsequent designation by Latreille (1810, p. 427) *Staphylinus chrysomelinus* Linnaeus, 1758 (p. 423);

(3) to place on the Official List of Specific Names in Zoology the following names:
(a) *grossa* Linnaeus, 1758, as published in the binomen *Musca grossa* (specific name of the type species of *Tachina* Meigen, 1803);
(b) *rufipes* Linnaeus, 1758, as published in the binomen *Staphylinus rufipes* (specific name of the type species of *Tachinus* Gravenhorst, 1802);
(c) *chrysomelinus* Linnaeus, 1758, as published in the binomen *Staphylinus chrysomelinus* (specific name of the type species of *Tachyporus* Gravenhorst, 1802);

(4) to place on the Official List of Family-Group Names in Zoology the following names:
(a) TACHINIDAE Robineau-Desvoidy, 1830, type genus *Tachina* Meigen, 1803 (Insecta, Diptera);
(b) TACHINUSIDAE Fleming, 1821, type genus *Tachinus* Gravenhorst, 1802 (spelling emended in (1)(a) above) (Insecta, Coleoptera), with the endorsement that it and other family-group names based on *Tachinus* are not to be given priority over those based on *Tachyporus* Gravenhorst, 1802;
(c) TACHYPORIDAE MacLeay, 1825, type genus *Tachyporus* Gravenhorst, 1802 (Insecta, Coleoptera), with the endorsement that it and other family-group names based on *Tachyporus* are to be given precedence over those based on *Tachinus* Gravenhorst, 1802;

(5) to place on the Official Index of Rejected and Invalid Family-Group Names in Zoology the name TACHINIDAE Fleming, 1821 (spelling emended in (1)(a) above to TACHINIDAE).

Acknowledgements
This application arose from work by A.F.N. and M.K.T. on a manuscript concerning family-group names in Staphyliniformia (Coleoptera) and independent work by C.W.S. on family-group names in Diptera. We thank J.H. Frank for establishing contact between us as a result of reviewing the Coleoptera manuscript. A.F.N. and M.K.T. also thank R.B. Madge for calling their attention to the correct authorship of ‘Leach 1817’ names.

References


Case 2803

Copromyza limosa Fallén, 1820 (currently Leptocera (Rachispoda) limosa; Insecta, Diptera): proposed replacement of lectotype, so conserving usage of the specific name and also that of Leptocera (Rachispoda) lutosa (Stenhammar, 1855)

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Abstract. The purpose of this application is to conserve the specific name of the common Holarctic saprophagous sphaerocerid fly Leptocera limosa (Fallén, 1820) in its current usage. In 1972 one of the female syntypes was designated as the lectotype, but this has now been identified as Leptocera lutosa (Stenhammar, 1855). It is proposed that a male syntype should be designated as replacement lectotype.

1. Fallén (1820, p. 8) established the name Copromyza limosa based on an unstated number of specimens. Four probable syntypes (three females and one male) are in the Diptera Collection of the Naturhistoriska Riksmuseum, Stockholm. Another male specimen with a handwritten label and a small red square in the collection in Lund University may also be a syntype of this species (see Kim, 1972, p. 205). In 1967 Kim found and examined these specimens at the two institutions and (1972, p. 205) designated as lectotype of Copromyza limosa a female in Fallén’s collection at Stockholm bearing his handwritten label ‘C. limosa ♀’. Kim also designated as paralectotypes one male (without Fallén’s label) and one female. The third female syntype, with Fallén’s handwritten label ‘C. limosa ♂’, was identified as Leptocera lutosa (Stenhammar, 1855).

2. Limosina lutosa was first described by Stenhammar (1855, p. 380). The male lectotype and four male and one female paralectotypes, designated by Kim (1972, p. 206), are in the Stenhammar collection at Uppsala University.

3. Prior to Duda’s work (1918, pp. 51, 59) both names limosa and lutosa had been used in a confusing manner. The distinction between these two taxonomic species was not generally recognised until more recent work (e.g. Richards, 1930; Duda, 1938), particularly that of Sabrosky (1949) which included genitalia studies. Duda’s (1918) redescription of limosa has been accepted by subsequent workers. Leptocera limosa and L. lutosa are common Holarctic saprophagous flies which have been dealt with in numerous taxonomic papers and recorded in almost all synecological studies, particularly those dealing with marshy and shore ecosystems. A representative list of 27 publications is held by the Commission Secretariat.
4. In 1989 Roháček, in his monographic research on the western Palearctic species of *Rachispoda*, discovered a problem with the lectotype designation of *limosa* (see Roháček, 1991). Of the four syntypes at Stockholm, only the male designated by Kim (see para. 1 above) as a paralectotype belongs to the taxon currently interpreted as *limosa*; the other three females, including the lectotype, belong to the taxon known as *lutosa*. If Kim’s lectotype designation is maintained the nominal taxon *Leptocera (Rachispoda) lutosa* would be a junior synonym of *L. (R.) limosa* and a new name would be needed for the taxon currently known as *limosa*. This would cause endless confusion in the taxonomy of the *Leptocera limosa/lutosa* complex and slow the progress of work in the taxonomy and biology of the Sphaeroceridae. It is important that the current use of the nominal taxa *limosa* and *lutosa* should remain unchanged.

5. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to set aside the lectotype designation made by Kim (1972) for *Copromyza limosa* Fallén, 1820, and to designate in its place as lectotype the male syntype in Stockholm;

(2) to place on the Official List of Specific Names in Zoology the following names:

(a) *limosa* Fallén, 1820, as published in the binomen *Copromyza limosa* and as defined by the lectotype designated in (1) above;

(b) *lutosa* Stenhammar, 1855, as published in the binomen *Limosina lutosa* and as defined by the lectotype designated by Kim (1972).

Acknowledgements

References


Case 2804

*Drosophila putrida* Sturtevant, 1916 (Insecta, Diptera): proposed replacement of the holotype by a neotype

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Abstract. The purpose of this application is to designate a neotype in accordance with current usage for the nominal species *Drosophila putrida* Sturtevant, 1916. Examination of the holotype shows that it belongs to an un-named species which has been consistently misidentified as *Drosophila testacea* von Roser, 1840. *D. putrida* is widely used in ecological, genetic and evolutionary studies and is restricted to the eastern U.S.A.

1. North America has two species belonging to the small, Holarctic *Drosophila testacea* species group. Their species status and nomenclature have never been critically examined and some confusion exists, partly as a result of the long and consistent misidentification of *Drosophila putrida* Sturtevant, 1916. The holotype of *putrida* is a male in perfect condition in the American Museum of Natural History (type locality: Woods Hole, Massachusetts, U.S.A.). I recently examined the holotype and its paratypes. The specimens actually belong to a species which since about 1940 has been misidentified as *Drosophila testacea* von Roser, 1840.

2. Confusion began when two externally distinct North American species in the group were fully recognized, and the name *testacea* was applied to the species most similar to the true (European) *testacea*, although current work has shown that the North American ‘*testacea*’ is a different, morphocryptic species. Few voucher specimens exist in collections from all the biological work done on the two North American species, so it is impossible to confirm the identity of the *putrida*/*testacea* referred to in older papers. However, there are specimens collected in Austin, Texas in the 1940’s in the University of Texas collection at the American Museum of Natural History which have labels identifying *putrida* in the sense recognized today. Patterson & Stone (1952) distinguished the two species on the basis still adhered to, as does Strickberger’s (1962) key which is in wide use today. Apparently, no one had ever checked Sturtevant’s type specimen of *putrida*.

3. The three species in the *testacea*-group are abundant inhabitants of forests, and have been favored subjects for studies in ecology, genetics and evolution. An extensive literature exists; major papers that treat either one or both of the Nearctic species are the following: Carson & Stalker, 1951 (breeding sites); Dorsey & Carson, 1956 (host finding behavior); Grimaldi, 1985 (niche biology); Grimaldi & Jaenike, 1983 (*putrida* hosts), 1984 (larval competition); Jaenike, 1978, 1986 (host selection), 1988 (parasitism of *‘testacea’*); Jaenike & Grimaldi, 1983 (oviposition population genetics); Jaenike et al., 1983 (toxin resistance); James & Jaenike, 1990 (‘sex ratio’ meiotic drive); Lacy, 1982, 1983, 1984 (host use and population genetics); Levitan, 1954 (distributional
records); Miller & Weeks, 1964 (distributional records); Montague & Jaenike, 1985 (parasitism); Patterson & Stone, 1952 (distributions, internal reproductive organs, distinguishing characters, chromosomes); Patterson & Wagner, 1943 (distributions); Patterson & Wheeler, 1949 (North American Drosophila catalogue); Sabath, Richmond & Torella, 1973 (temperature controlled color polymorphism); Strickberger, 1962 (key to North American Drosophila); Throckmorton, 1962A, 1962B, 1975 (Drosophila phylogeny); Ward, 1949 (metaphase chromosomes); Wharton, 1943 (metaphase chromosomes); Wheeler, 1981A (world catalogue); Wheeler, 1981B (Nearctic fauna).

Adoption of putrida in the sense of the holotype would cause serious confusion because the name, as used in the above literature, would be transferred to the other species. The references listed in this paragraph all agree upon a diagnosis of putrida as having a pair of presutural acrostichal setulae that are stouter, decumbent and only about twice the length of other, standard acrostichal setulae.

4. A revision of the testacea-group is completed, utilizing adult specimens from all known localities of the range, as well as electrophoresis studies, mating tests and ecological characteristics. There is no doubt that the species represented by the D. putrida neotype proposed below, from New Jersey, also occurs in the locality (Massachusetts) of the holotype and that no other species share the diagnostic traits of the proposed neotype.

5. In accordance with Recommendation 75E of the Code, I refer to the Commission to set aside the existing type material of D. putrida and to confirm the designation of a neotype belonging to the taxonomic species that North American Drosophila workers have been consistently referring to as putrida for the last 50 years. What has been called ‘testacea’ in North America needs a new name, diagnosis and designated type. The putrida neotype I propose is an adult male specimen labelled as ‘Drosophila (D.) putrida Sturtevant, 1916, Neotype, Det. D.A. Grimaldi’ from ‘U.S.A.: New Jersey: Morris County, Pompton Plains, June, 1986, D.A. Grimaldi, coll.’, and deposited in the American Museum of Natural History. No problem would exist in reconciling Sturtevant’s original (1916) and subsequent (1921) descriptions of putrida with the neotype, since he omitted crucial diagnostic details of the presutural setae which externally distinguish the species. His description could apply to any of the testacea-group species; indeed, it was this insufficiently detailed description that contributed to the continued misidentification.

6. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to set aside all previous fixations of type specimens for the nominal species Drosophila putrida Sturtevant, 1916 and to confirm the neotype designation proposed in para. 5 above;

(2) to place on the Official List of Specific Names in Zoology the name putrida Sturtevant, 1916, as published in the binomen Drosophila putrida and as defined by the neotype designated in (1) above.

Acknowledgements

I am grateful to Curtis W. Sabrosky for his suggestions on an early draft of this proposal, and to John Jaenike and Avis James (University of Rochester) for additional references and collaborative work on the species status of American and European ‘testacea’.
References


Case 2706

EPHYDRIDAE Zetterstedt, 1837 (Insecta, Diptera): proposed precedence over GYMNOMYZIDAE Latreille, 1829

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**Abstract.** The purpose of this application is to conserve the long and universally used name EPHYDRIDAE Zetterstedt, 1837 for shore flies, despite the existence of the older family-group name ‘Gymnomyzides’ Latreille, 1829, based on Gymnomyza Fallén, 1810 (a junior subjective synonym of Mosillus Latreille, 1804). The authors advocate usage of subfamily and tribe names based on Gymnomyza, but retention of EPHYDRIDAE for the family.

1. As part of a world catalogue on the dipterous family EPHYDRIDAE, commonly known as shore flies, we recently compiled a list of all family-group names for the purpose of determining their correct Latin orthography, date and authorship. In so doing we discovered a few discrepancies in family-group names published in recent catalogues (Wirth, 1965, 1968; Cogan & Wirth, 1977; Cogan, 1980, 1984; Mathis, 1989). These points for the most part are minor and will be remedied in the forthcoming catalogue, but one will require a ruling by the plenary powers of the Commission, which is the purpose of this application. We have discussed the issues in this case elsewhere (Mathis & Zatwarnicki, 1990).

2. Latreille (1829, p. 535) proposed the family-group name ‘Gymnomyzides (Gymnomyzidae)’, basing it on the generic name Gymnomyza Fallén, 1810 (p. 19, as the 8th division of Musca but with no included species (see para. 6)). Although the family-group name was used in a subsequent publication (Audouin, Blanchard, Doyère & Milne Edwards, 1849, pp. 421, 423) and in translations such as those by M’Murtrie (1831) and Griffith & Pidgeon (1832, p. 716), it was not adopted generally by contemporaries (Meigen, 1830, 1838; Haliday, 1837, 1839; Stenhammar, 1844; Loew, 1860; Schiner, 1864), and for almost 150 years it has remained unused.

3. Eight years after Latreille’s proposal of GYMNOMYZIDAE, Zetterstedt (1837, p. 48) proposed the subfamily name EPHYDRINAE based on Ephydra Fallén, 1810 (p. 22). The type species of this genus is Ephydra riparia Fallén, 1813 (p. 246) by subsequent designation of Curtis (1832, pl. 413, text). All subsequent authors known to us have used EPHYDRIDAE as the family name, although sometimes with a variant spelling. In a previous application by one of us (W.N.M.), published in 1981 (BZN 38: 201–204) and
which resulted in Opinion 1321 (BZN 42: 177–179; June 1985) giving Ephrydidae precedence over Hydrelliinae Robineau-Desvoidy, 1830, 12 representative references were cited; we now add Canzoneri & Meneghini (1983), Mathis (1989), Mathis & Zatwarnicki (1990) and others cited in this application. The names Ephrydidae, Ephydra and its type species E. riparia were placed on the relevant Official Lists in Opinion 1321.

4. The precedence of Ephrydidae Zetterstedt (1837, p. 47) over Gymnomyzidae Latreille (1829, p. 536) seems clearly warranted and in the interest of nomenclatural stability. Latreille’s name has been used by us at subfamilial and tribal levels (Mathis & Zatwarnicki, 1990; Mathis, 1991a, 1991b; Zatwarnicki, 1991, 1992).

5. Suppression of Gymnomyza, and thus rendering as unavailable any family-group name based on it, is an option we considered for resolving this case but we do not advocate it for the following reason. Psilopinae Cresson, 1925 (p. 241; based on Psilopa Fallén, 1823), the relevant subfamilial name currently used (e.g. in the works mentioned in paras. 1 and 3 elsewhere) at present includes two family-group nominal taxa that are older. Apart from Gymnopini (see below) the family-group name Lipochaetini Becker, 1896 (p. 275; based on Lipochaeta Coquillett, 1896, p. 220) is much older than Psilopinae and might replace the latter regardless of the status of names based on Gymnomyza. However, the relationships of Lipochaeta and related genera to other tribes are not fully resolved (Mathis & Zatwarnicki, 1990), and the tribe may prove to be a specialized lineage within another shore-fly subfamily. We feel that adhering to priority at the subfamilial and tribal levels will best serve stability. Family-group names based on Gymnomyza are the oldest in the family and are the least likely ever to need replacement. At the tribal level, Gymnomyzini Latreille, 1829 will replace Gymnopini Cresson, 1922 (p. 326), based on Gymnopa Fallén, 1820 (p. 10).

6. A type species was not assigned to Gymnomyza nor were any named species ever included in the genus; Fallén (1810) included an unnamed species. We (Mathis & Zatwarnicki, 1990, p. 10) have designated Syrphus subsultans Fabricius, 1794 (p. 304) as the type species. This nominal species is a senior subjective synonym both of Gymnopa aenea Fallén, 1820 (p. 10), the type species of Gymnopa, and of Mosillus arcuatus Latreille, 1805 (p. 390), the type species of Mosillus Latreille, 1804 (p. 196). The synonymy of Gymnomyza and Mosillus was first suggested by Hendel (1910, p. 310); Mosillus is the valid name and in recent years has been that in use for the genus, but no family-group name has been based on it.

7. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to rule that family-group names based on Ephydra Fallén, 1810 are to have precedence over those based on Gymnomyza Fallén, 1810 (a junior subjective synonym of Mosillus Latreille, 1804);

(2) to place on the Official List of Generic Names in Zoology the name Mosillus Latreille, 1804 (gender: masculine), type species by subsequent monotypy by Latreille (1805) Mosillus arcuatus Latreille, 1805 (a junior subjective synonym of Syrphus subsultans Fabricius, 1794, type species of Gymnomyza Fallén, 1810);

(3) to place on the Official List of Specific Names in Zoology the name subsultans Fabricius, 1794, as published in the binomen Syrphus subsultans (a senior subjective synonym of Mosillus arcuatus Latreille, 1805, the type species of Mosillus
Latreille. 1804, and the specific name of the type species of Gymnomyza Fallén, 1810);

(4) to place on the Official List of Family-Group Names in Zoology the name Gymnomyzidae Latreille, 1829 (type genus Gymnomyza Fallén, 1810, a junior subjective synonym of Mosillus Latreille, 1804) with an endorsement that it and other family-group names based on Gymnomyza are not to be given priority over Ephyridae Zetterstedt, 1837 and other family-group names based on Ephydra Fallén, 1810 whenever Ephydra and Mosillus or Gymnomyza are placed in the same family-group taxon;

(5) to add to the entry on the Official List of Family-Group Names in Zoology for Ephyridae Zetterstedt, 1837 an endorsement that it is to be given precedence over Gymnomyzidae Latreille, 1829 (type genus Gymnomyza Fallén, 1810 (a junior subjective synonym of Mosillus Latreille, 1804)) whenever Ephydra and Mosillus or Gymnomyza are placed in the same family-group taxon.

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Case 2718

*Clidastes* Cope, 1868 (Reptilia, Sauria): proposed designation of *Clidastes propython* Cope, 1869 as the type species

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**Abstract.** The purpose of this application is to designate *Clidastes propython* Cope, 1869 as the type species of the North American Upper Cretaceous mosasaur genus *Clidastes* Cope, 1868, in accordance with universal understanding and usage. At present the genus has a nominal type species, *C. iguanavus* Cope, 1868, which is indistinguishable from some species of *Mosasaurus* Conybeare in Parkinson, 1822 and is from a later geological horizon than *Clidastes* as generally used.

1. Cope (1868a, p. 181) proposed the new generic and specific names *Clidastes iguanavus* for a single anterior thoracic vertebra of a mosasauroid lizard from 'a marl pit near Swedesboro', Gloucester Co., N.J.' (Cope, 1868b, p. 233). The holotype, no. 1601 in the Peabody Museum of Natural History, Yale University, was collected from the Marshalltown Formation of the Matawan Group (Late Campanian, Upper Cretaceous). The nominal species *iguanavus* is thus the type of *Clidastes* by monotypy.

2. Recently, a re-examination of the single vertebra referred to *Clidastes iguanavus* has indicated that it is indistinguishable from anterior thoracic vertebrae of some members of the genus *Mosasaurus* Conybeare in Parkinson, 1822 (p. 298) (family *MOSASAURIDAE* Gervais, 1853, p. 471). The specimen is insufficient for identification to species level but closely resembles *Mosasaurus conodon* (Cope, 1881) (p. 588). *Clidastes iguanavus* is based on material inadequate for definitive diagnosis and should be considered a nomen dubium or, following Mones (1989, p. 232), a nomen vanum (i.e. an available but taxonomically unassignable name). The name *iguanavus* was included in a faunal list for the Marshalltown Formation (Russell, 1988, p. 34) but, other than Cope's holotype, I have found no instance of material being referred to the nominal species.

3. A further 12 nominal species were subsequently included in *Clidastes* (see Merriam, 1894, p. 35). Russell (1967, pp. 121, 124–131) synonymized many of these nominal species and recognized only four taxa: *C. propython* Cope, 1869 (p. 258), *C. lidontus* Merriam, 1894 (p. 35) and *C. sternbergii* Wiman, 1922 (p. 13, text-figs. 4–9, pls. 3–4), which were based on well defined material, and *C. iguanavus* Cope, 1868. Later, Russell (1970, pp. 369–371) placed *sternbergii* in the genus *Halisaurus* Marsh, 1869 (p. 395). Under my previous name (Wright, 1987, p. 99) I included in *Clidastes* an as yet undescribed species from the Early Campanian of Alabama, Nebraska and Wyoming.

4. In addition to *Clidastes iguanavus* being indeterminate, recent advances in mosasaur biostratigraphy have favored the abandonment of this nominal species as the
type of the genus. Russell (1967, pp. 205–206) reported a change in the composition of North American mosasaur faunas between the Early and Late Campanian. Wright (1986a, p. 146; 1986b, p. A51) has documented this phenomenon in Alabama and the western interior of the U.S.A., and concluded that *Clidastes* (sensu *propython*) is not known to occur later than the Early Campanian. However, the holotype of *C. iguanavus* was collected from sediments of Late Campanian age and is the only post-Middle Campanian specimen from North America purported to belong to *Clidastes*.

5. Wright (1987, p. 99) recognized the difficulties surrounding the name *Clidastes iguanavus* and suggested that *Clidastes* be considered a nomen vanum and that it could be replaced with its junior synonym *Edestosaurus* Marsh, 1871 (p. 447). However, *Clidastes* is one of the most widely known names in the *Mosasauridae*. The taxon dominates many mosasaur assemblages and hundreds of specimens are found in collections around the world. For 123 years *Clidastes* has been considered a valid generic name in all taxonomic, morphological, paleoecological and biostratigraphic literature concerning the *Mosasauridae*, particularly in the last three decades (see, for example, the recent works of Romer (1971), Thurmond & Jones (1981) and Carroll (1988); a representative list of a further 12 references demonstrating the usage of the name is held by the Commission Secretariat). The ubiquity of the name has been strengthened by the occasional use of the informal taxonomic word ‘clidastoid’ when speaking of *Clidastes* and its descendants (see, for example, Russell, 1967, p. 206). Replacement of the name *Clidastes* with the obscure junior synonym *Edestosaurus* will not promote nomenclatural stability. Such an action would encounter considerable resistance and would lead to a protracted period of confusion and I therefore recommend retention of *Clidastes*.

6. I propose that the Commission use its plenary powers to designate *Clidastes propython* Cope, 1869 (p. 258) as the type species of *Clidastes*. This was the first nominal species described from well preserved material to be included in the genus and is the species on which, de facto, the genus is based. The holotype, no. 10193 in the Academy of Sciences of Philadelphia, was collected from the Mooreville Chalk of the lower Selma Group (Early Campanian, Upper Cretaceous) of west central Alabama. The specimen consists of most of the skull, most of the pectoral girdle, parts of both forelimbs and an incomplete axial skeleton (axis-atlas complex, five cervical, 16 dorsal and 35 caudal vertebrae, and many rib fragments). Adoption of *C. propython* Cope as the type of *Clidastes* will maintain the name in its current universal usage.

7. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to set aside all previous fixations of type species for the nominal genus *Clidastes* Cope, 1868 and to designate *Clidastes propython* Cope, 1869 as the type species;

(2) to place on the Official List of Generic Names in Zoology the name *Clidastes* Cope, 1868 (gender: masculine), type species by designation in (1) above *Clidastes propython* Cope, 1869;

(3) to place on the Official List of Specific Names in Zoology the name *propython* Cope, 1869, as published in the binomen *Clidastes propython* (specific name of the type species of *Clidastes* Cope, 1868).
Acknowledgements
I thank S.W. Shannon, G.L. Bell, Jr. and Drs K. Derstler and R.T. Bakker for their suggestions and guidance. Additional thanks are due to the late Dr R.D. Estes.

References


Case 2784

Procellaria gigantea Gmelin, [1789] (currently Macronectes giganteus; Aves, Procellariiformes): proposed conservation of usage of the specific name by designation of a neotype


Abstract. The purpose of this application is to conserve the current universal understanding and usage of the specific names of Macronectes giganteus (Gmelin, [1789]) and M. halli Mathews, 1912 for the southern, antarctic and the more northern, subantarctic species of giant petrel respectively (family PROCELLARIIDAE). The name giganteus (type species of the genus Macronectes Richmond, 1905) was based on a description of the second species. It is proposed that a neotype for giganteus be designated.

Résumé. L'objet de cette requête est de conserver l'usage couramment accepté des noms spécifiques de Macronectes giganteus (Gmelin, [1789]) et M. halli Mathews, 1912 pour, respectivement, le pétrél géant antarctique et le pétrél géant subantarctique (famille des PROCELLARIIDAE). Le nom giganteus (espèce-type du genre Macronectes Richmond, 1905) est fondé en fait sur une description de la seconde de ces deux espèces. Il est proposé de désigner un néotype pour giganteus.

1. The genus Macronectes Richmond, 1905 was thought, until relatively recently, to include only one species, Procellaria gigantea Gmelin, [1789] (p. 563), the giant petrel of southern oceans. Bourne & Warham (1966) showed that two sibling species were involved, which they called M. giganteus and M. halli Mathews, 1912 (p. 187; described as M. giganteus halli). One of us (Voisin, 1968) later confirmed these findings. Bourne & Warham (1966, p. 64) designated specimen no. 91.6.16.6 in the collections (now at Tring) of the Natural History Museum, London as ‘the Type’ of M. halli. The specimen, taken from the Kerguelen Islands in 1840 by the Antarctic Expedition under Sir James Clarke Ross, is one of those studied by Mathews and is to be regarded as the lectotype.

2. Various morphological and biological characteristics of the two species have been studied by a number of authors (see, for example. Bourne & Warham, 1966; Voisin, 1968, 1976, 1982, 1988; Johnstone, 1971, 1974; Voisin & Bester, 1981; Hunter, 1983, 1987). The two species have very similar measurements in the localities where they co-exist, which does not permit their separation. Their plumages become progressively lighter with age and show significant differences in old birds only. The southern species, giganteus, is polymorphic, with a grey, white-headed dark form and a white form. The birds of the more northerly species, halli, are darker, browner and have lighter underparts, and have no white form. The most obvious morphological difference is the
colour of the bill, which is green or green-tipped in *giganteus* and reddish-brown in *halli*. Unfortunately, this character, which is apparent even in fledglings, fades rapidly after death and disappears completely in specimens which have been kept in fluids or in poor conditions, which was often the case in the early days of ornithology.

3. The nominal species *Procellaria gigantea* was proposed by Gmelin ([1789]), who summarised the description given by Latham (1785, pp. 396–397, pl. 100) and latinized the latter’s vernacular ‘giant petrel’. Gmelin was the first to publish the name, which had been used in manuscripts for some time; he may never have seen a specimen. The birds described by Latham are supposed to have been taken off Staten Island (Isla de los Estados, Argentina) during Cook’s first voyage, 1768–1771 (see Mathews, 1912, pp. 181, 186; Bourne & Warham, 1966). They have disappeared from the Natural History Museum, London, if they ever reached it. Mathews (1912, p. 2) noted ‘whatever became of the birds cannot now be definitely ascertained, but apparently none of the specimens met with on the first voyage came into the possession of the British Museum’. There are today only illustrations made by S. Parkinson, the artist on Cook’s first voyage, of two specimens of these giant petrels, nos. 17 (an unsigned pencil sketch) and 18 (an unsigned painting) in the Museum in London (Banks collection), but neither can be determined to species (Voisin, 1981). Mathews (1912, pp. 181–182) reproduced the unpublished descriptions by Solander of these two illustrations.

4. Latham’s (1785) description does not correspond with these illustrations, nor with Solander’s descriptions which Latham seems to have ignored. Latham’s and Gmelin’s descriptions, and Latham’s accompanying figure, were based on mature birds and clearly relate to the species now called *M. halli*. In his description of the birds Latham noted that ‘Captain Cook met with them in vast numbers in Christmas Harbour, Kerguelen’s Land (Cook’s Last Voy., i, p. 87; ii, p. 205)’, where *halli* is very common and *giganteus* extremely rare (see Thomas, 1983, p. 137; Weimerskirch, Zotier & Jouventin, 1989; Voisin, pers. obs.). Mathews (1912, pp. 183, 187) considered that Latham’s description did not apply to the Kerguelen breeding bird but it now seems highly probable that Latham based his description on observations, pictures and even specimens of *halli* retrieved from the Kerguelen Islands on Cook’s last voyage, 1776–1780 (see Godman, 1909, p. 262). Mathews (pp. 2, 3) noted that the specimens and drawings collected on this last voyage passed into the Banks collection where they were studied by Latham. A painting of a giant petrel (no. 39 in the Banks collection) made on the Kerguelen Islands by W. Ellis, one of the artists on Cook’s third voyage, is unfortunately unidentifiable to species (see Mathews, 1912, pp. 2, 183; Lysaght, 1959, p. 328).

5. Recognition that the name *gigantea* Gmelin, [1789], based on Latham’s (1785) description, relates to the northern giant petrel means that this is the valid name for the species currently called *Macronectes halli* Mathews, 1912, and the southern species, currently called *gigantea*, requires a new name. *Procellaria ossifraga* Forster, 1844 (p. 343) is a junior synonym of Gmelin’s name but there is no type material and it is not possible to determine its specific identity from the published description; the name has not been used since its original publication. The transfer of the name *gigantea* to the species currently called *halli* is very undesirable and would cause great confusion. Since 1966 all authors have used the names *gigantea* and *halli* as Bourne & Warham defined them, in both taxonomic and ecological works (see, for example, Marchant & Higgins, 1990, pp. 356-376; Sibley & Monroe, 1990, pp. 320, 321; Warham, 1990; a list
of a further 50 works demonstrating usage of the names is held by the Commission Secretariat). *Procellaria gigantea* is the type species by monotypy of the genus *Macronectes* Richmond, 1905 (p. 76; a replacement name for the invalid *Ossifraga* Hombron & Jacquinot, 1844 (p. 357), a junior homonym of the raptor name *Ossifraga* Wood, 1835).

6. We propose that nomenclatural stability should be maintained by designating a neotype for *Macronectes giganteus* in its universally accepted sense following Bourne & Warham (1966). We therefore designate specimen no. 1911 340 in the Catalogue Général de the Laboratoire de Zoologie: Mammifères et Oiseaux, Muséum National d'Histoire Naturelle, Paris as the neotype. It is a specimen collected at Admiralty Bay, King George Island, South Shetlands, not far from a breeding colony (Gain, 1913). No subspecies of *M. giganteus* has been described from this locality and *M. halli* does not nest there. The specimen is an adult male with the dark underparts and white head characteristic of *M. giganteus*. It bears two white labels noting (1) ‘Mission Antarctique Française 1908–1910, no. 914, voyag. date 30.12.1909’ and (2) morphological details, and a red label noting ‘*Procellaria gigantea* Gmelin,[1789] neotype, C.G. 1911 no. 340’.

7. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to designate specimen no. 1911 340 in the Muséum National d'Histoire Naturelle, Paris, for which the data are given in para. 6 above, as the neotype for the nominal species *Procellaria gigantea* Gmelin, [1789];

(2) to place on the Official List of Generic Names in Zoology the name *Macronectes* Richmond, 1905 (gender: masculine), type species by monotypy *Procellaria gigantea* Gmelin, [1789];

(3) to place on the Official List of Specific Names in Zoology the following names:
   (a) *gigantea* Gmelin, [1789], as published in the binomen *Procellaria gigantea* (specific name of the type species of *Macronectes* Richmond, 1905) and as defined by the neotype designated in (1) above;
   (b) *halli* Mathews, 1912, as published in the trinomen *Macronectes giganteus halli* and as defined by the lectotype designated by Bourne & Warham (1966).

References


Comment on the citation of names in Zoological Record as evidence of general scientific use

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In a comment (BZN 48: 148–150) on the proposed precedence of the fish family name HOMALOPTERIDAE over BALITORIDAE, Drs P.K.L. Ng & K.K.P. Lim have discussed the usage of those names. They are apparently using (p. 149) the number of occurrences of HOMALOPTERIDAE in Zoological Record to support the view that this family name does not have wide scientific usage. However, because of our policy of standardizing the classification and placement of names this argument is not necessarily valid.

Classification for the Record consists of placing the name(s) used in an article under the appropriate Zoological Record controlled vocabulary heading. Wherever possible our headings are based on generally accepted published authorities, or on internal records compiled over a number of years. Thus the heading names in the Record might, or might not, be the classification given in the article. This policy makes information retrieval very straightforward: users have to look in only one place to find all entries for a particular name. However, the placement does not simply reflect what has been used in the literature. This matter is something which we would like to resolve for the future, but consistent retrieval is our first priority.

As a matter of interest, following revision of our controlled vocabulary for Zoological Record (vol. 128) we base the classification of fishes on Eschmeyer’s Catalog of the Genera of Recent Fishes (California Academy of Sciences, 1990).

Comment on the proposal to remove the homonymy between CLAVIDAe McCrady, 1859 (Cnidaria, Hydrozoa) and CLAVINAE Casey, 1904 (Mollusca, Gastropoda) (Case 2710; see BZN 48: 192–195)

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I write to point out that there is no need to make available the name CLAVUSINAE for the gastropod subfamily previously known as CLAVINAE and more recently as DRILLINAE; the latter name should continue in use for the group, in accordance with Article 60 of the Code.

That the name CLAVINAE Casey, 1904 cannot be used is unfortunate since modern workers have become used to it, but there can be no question about its impropriety, as explained in the application. However, the next available name, DRILLINAE Olsson, 1964, is certainly a satisfactory alternative: it unambiguously represents the same group of species and, since Cernohorsky (1985) adopted the name, it has come into common usage (see, for example, Vaught, 1989, p. 57).

It appears that the only significant hesitation in adopting the name DRILLINAE is contained in the statement ‘although DRILLINAE is at present considered to be a synonym of CLAVINAE, future research may prove the two groups to be biologically
and taxonomically distinct' (para. 6 of the application). This is, in fact, very unlikely. The type genera, Clavus Montfort, 1810 and Drilla Gray, 1838 (p. 28), of the two nominal subfamilies have type species (Clavus flammulatus Montfort, 1810 and Drilla umbilicata Gray, 1838 respectively) which are similar and differentiable at the generic level only. Not only are their shells alike but their radular structure is of the same type (the latter is common to all the species in this grouping as now understood). In addition, although there is little available anatomical data, in those cases where it is known there is a very similar poison gland and bulb. Thus, although future research might well demonstrate differences, there is little to suggest the likelihood of there being two significantly different groups, at least at the subfamily level. It may also be noted that in the older literature, such as H. & A. Adams (1853), the taxa concerned were often included in the one genus Drilla.

To make the name Clavusinae available would be an artificial solution to the homonymy problem (if in fact there is a problem) and could itself be a cause of instability. I therefore oppose the application.

Additional references


Comment on the proposed attribution of the specific name of Ceratites nodosus to Schlotheim, 1813, and the proposed designation of a lectotype (Cephalopoda, Ammonoidea)
(Case 2732; see BZN 48: 31–35, 246)

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1. Urlich's proposal (BZN 48: 33, 34) is to attribute the specific name of Ammonites nodosa to Schlotheim, 1813, rather than to Bruguière, 1789, and to accept Ammonites nodosa Schlotheim, 1813 as the type species of Ceratites de Haan, 1825. I consider these proposals to be unnecessary and undesirable, particularly since the original specimen of Ammonites nodosa Bruguière has been discovered and proposed as lectotype. I therefore now propose to the Commission that this original specimen be confirmed as the lectotype. In the following paragraphs I spell out in some detail the history of this important case.

2. Ammonites nodosa Bruguière, 1789 (p. 43) is based on an illustration (pl. 39, no. 262) in an anonymous work published simultaneously in Paris and The Hague in 1742. The Paris edition is entitled Traité des Pétrifications and the Hague edition Mémoires pour servir à l'Histoire Naturelle des Pétrifications dans les quatre parties du Monde. Apart from the title pages the books are the same. The author is disguised as "B***". These works are attributed to Louis Bourguet (1678–1742). He interpreted the
‘pétifications’ as remains of extinct organisms. After revocation of the Edict of Nantes (1685) his interpretations were probably considered heretical and it was evidently for this reason that he chose anonymity. The illustration in these books was redrawn, with acknowledgement of the source, from fig. 25 (p. 159) in Scheuchzer’s Meteorologia et Oryctographia Helvetica (1718). Scheuchzer’s illustration is reproduced by Rieber & Tozer (1986, p. 829). Although these old illustrations are not very good, the drawings and descriptions were nevertheless good enough to characterize an ammonoid species recognizable to Schlotheim (1820, p. 67), Philippi (1901, p. 409), Spath (1934, p. 477) and others mentioned below. *Ammonites nodosa* Bruguière is important because it was designated the type species of *Ceratites* de Haan, 1825 (p. 39) by Smith (1904, p. 382).

3. Until recently the whereabouts, indeed even the continued existence, of Scheuchzer’s specimen was unknown. In spite of this, in the principal works that deal with *Ceratites nodosus* (e.g. Philippi, 1901, p. 409; Spath, 1934, p. 476) Scheuchzer’s illustration was treated as that of the type specimen. Most later authors (e.g. Penndorf, 1951, p. 13; Wenger, 1957, p. 91), although they do not give the Scheuchzer and other pre-Linnaean references in synonymy, attribute the species to Bruguière without any qualification. Philippi (1901) adopted a style in which the species was listed as ‘Ceratites nodosus (Brug.) Schloth. sp.’. Philippi’s nomenclature, which was adopted by Riedel (1916, p. 46) and Schmidt (1928, p. 303), was criticised and rejected by Spath (1934, p. 477). Similarly criticised as being without legal foundation was the unqualified attribution of the species to Schlotheim by Schrammen (1928, p. 41).

4. In 1985 Hans Rieber and I (Rieber & Tozer, 1986) found Scheuchzer’s illustrated specimen in the Paläontologisches Museum of the University of Zurich, where it has the registration number PIMUZ L/1651). Also in the Museum collection are the two other specimens described by Scheuchzer (L/1650, L/1652). They do not resemble Scheuchzer’s illustration which formed the basis of *Ammonites nodosa* Bruguière, and were illustrated for the first time by Rieber & Tozer (1986, p. 832). They had never been considered in discussions of the definition of *Ammonites nodosa*. Rieber & Tozer (p. 831) proposed L/1651 as lectotype of *Ammonites nodosa*, recognizing that a Commission ruling might be required. It was proposed as a lectotype rather than holotype because of the existence of the two other specimens, even though Bruguière used only the one illustrated specimen. Shortly after publication of this proposal of a lectotype for *Ammonites nodosa* Bruguière, opposition was expressed by Urlichs & Mundlos (1987). They proposed suppression of *Ammonites nodosa* Bruguière and introduced a nominal taxon called ‘*Ceratites nodosus* (Schlotheim)’, which they gave as the type species of *Ceratites* de Haan as having been so designated by Hyatt & Smith (1905, p. 168). As now recognized by Urlichs (BZN 48: 32, para. 7), the first designation was in Smith (1904, p. 382), but in both works the species was attributed to Bruguière and not Schlotheim. Urlichs seeks Commission sanction for these procedures.

5. Schlotheim’s role in this question must be considered. He described and illustrated *Ammonites nodosus* (1820, p. 67; 1823, p. 106, pl. 31, figs. 1a, b). This is the only illustration of *Ammonites nodosus* in Schlotheim’s work. Philippi (1901, p. 65) regarded Schlotheim’s figure as representative of *Ceratites nodosus*. This specimen has now been found in the Museum für Naturkunde, Berlin by Urlichs & Mundlos (1987, p. 22) where it is registered MB: C774. Urlichs & Mundlos do not accept Schlotheim’s or Philippi’s identifications; instead they name MB: C774 as a representative of *Ceratites (Acanthoceratites) spinosus spinosus* Philippi. It should be noted that Schlotheim (1820,
p. 67) gives a form of synonymy which refers to the illustrations in Scheuchzer and the works of B***. Although he does not explicitly attribute *Ammonites nodosus* to Bruguière, he clearly considered that he was dealing with Bruguière’s species and not a new one.

6. Spath (1934, p. 477) agreed with the Schlotheim and Philippi identification of MB: C774 but, believing that neither Scheuchzer’s nor Schlotheim’s originals could be traced, decided that ‘the specimen figured by Philippi (1901, pl. 46, figs. 1, 1a, b) may be considered to be the neotype’. This may be called Philippi’s specimen, which Spath evidently did not attempt to trace. Urlichs & Mundlos have discovered that it was destroyed by fire in Strasbourg; however, a cast is preserved in the Museum für Naturkunde, Berlin (Urlichs & Mundlos, 1987, p. 10). Puzzling and seemingly inconsistent is Urlichs’s (BZN 48: 32, para. 6) statement about the Philippi specimen: ‘... Philippi (1901, p. 413, pl. 46, fig. 1) described and figured as *Ceratites nodosus* a specimen very similar in dimension and sculpture to Schlotheim’s figure of *Ammonites nodosus*. This specimen, however, differs from Schlotheim’s (1823) *Ceratites nodosus*. It is stressed that Schlotheim figured only one specimen of *Ammonites nodosus*, which is the specimen identified by Urlichs & Mundlos (1987) as *Ceratites (Acanthoceratites) spinosus spinosus*. Yet in the quoted passage it seems that Schlotheim’s figure is accepted as an example of ‘*Ammonites nodosus*’. The meaning of ‘Schlotheim’s (1823) *Ceratites nodosus*’ is not clear. No explicit reference is given, it seems that there is no figure; also, the genus *Ceratites* had not been proposed in 1823.

7. There are three specimens that bear on the interpretation of *Ammonites nodosa* Bruguière:

1. Scheuchzer’s specimen (PIMUZ L/1651), the original for *Ammonites nodosa* Bruguière.
2. Schlotheim’s specimen (MB: C774), the original for *Ammonites nodosus* (Schlotheim, 1823, pl. 31, figs. 1a, b).
3. Philippi’s specimen (1901, pl. 46, fig. 1), which was destroyed but of which there is a cast in the Museum für Naturkunde, Berlin (Urlichs & Mundlos, 1987, p. 10). This was ‘considered to be the neotype’ of *Ceratites nodosus* (Bruguière) by Spath (1934, p. 477).

Urlich’s & Mundlos (1987, p. 4) dismiss Nos. 1 and 2 as not being representative ‘*Ceratites (Ceratites) nodosus* (Schlotheim)’. No. 3 they consider representative but unsuitable, having been destroyed. Instead they propose to recognize as lectotype for ‘*Ammonites nodosus* Schlotheim’ a specimen designated MB: C785 in the Museum für Naturkunde. This specimen is said to be from the Schlotheim collection but it was not illustrated by Schlotheim or anybody else and was not explicitly mentioned in the literature prior to its description by Urlich’s & Mundlos (1987). The purpose of Urlich’s application is ‘to conserve the name of the Triassic ammonite *Ceratites nodosus* (Schlotheim, 1813) in its current usage’. In this case, ‘current usage’ can only be defined as usage advocated by Urlich’s & Mundlos (1987). Schlotheim, Philippi, Spath and Wenger, over a period of more than a century, regarded ammonites resembling Scheuchzer’s illustration as representative of *Ammonites nodosa* Bruguière. Of the three specimens mentioned above, Urlich’s & Mundlos (1987, p. 5) consider that only the Philippi specimen conforms to *Ceratites nodosus* in ‘current usage’. They identify Scheuchzer’s specimen (L/1651) as ‘*Ceratites (Doloceratites) robustus robustus* Philippi’ (Urlich’s & Mundlos, 1987, p. 29). The author of *Ceratites robustus* is in fact Riedel (1916,
p. 28) as stated in para. 9 of Urlichs’s application. The only specimen of Ammonites nodosus illustrated by Schlotheim they identify as Ceratites (Acanthoceratites) spinosus spinosus Philippi.

8. The taxonomy adopted by Urlichs & Mundlos (1987) for the ceratitids of the Upper Muschelkalk is different from that of Schlotheim, Philippi, Spath and Wenger. It is much more elaborate, with recognition of genera, subgenera, species and subspecies. Their taxonomy is unarguably subjective but it is this taxonomy that Urlichs regards as ‘current usage’. Urlichs’s proposals to the Commission are framed to accommodate his own subjective interpretations and are contrary to the Code.

9. I propose that Scheuchzer’s specimen (PIMUZ L/1651), the original for Ammonites nodosa Bruguière, 1789, be recognized as the lectotype of that taxon in accordance with the Code. The specimen is well preserved and has recently been illustrated (Rieber & Tozer, 1986, p. 829; Urlichs & Mundlos, 1987, p. 29). Spath (1934) proposed a neotype for this taxon, although Urlichs (BZN 48: 33) does not accept his designation as valid. Even so, it is desirable that the Commission should rule on this matter in accordance with Article 75h of the Code (Status of rediscovered name-bearing types). Acceptance of my proposal would make it unnecessary to revise the definition of Ceratites (Ceratites). The definition of Ceratites proposed by Urlichs & Mundlos restricts it to conform with the classification they advocate and Urlichs’s proposals to the Commission are designed to legalize the taxonomy in Urlichs & Mundlos (1987). These proposals have been made to ensure that the definition of Ceratites is changed to what Urlichs wants it to be, as opposed to what it was originally and unambiguously defined to be. Urlichs’s proposal cannot be supported and I make a counter proposal.

10. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to suppress the neotype designation made by Spath (1934) of the specimen figured by Philippi (1901, pl. 46, fig. 1) for Ceratites nodosus Bruguière, 1789 and any other neotype designation;

(2) to confirm the lectotype designation by Rieber & Tozer (1986) of specimen PIMUZ L/1651 in the Paläontologisches Museum, University of Zurich, for Ammonites nodosa Bruguière, 1789;

(3) to confirm the type species designation for Ceratites de Haan, 1825 by Smith (1904) of Ammonites nodosa Bruguière, 1789;

(4) to place on the Official List of Generic Names in Zoology the name Ceratites de Haan, 1825 (gender: masculine), type species by designation by Smith (1904) as confirmed in (3) above Ammonites nodosus Bruguière, 1789;

(5) to place on the Official List of Specific Names in Zoology the name nodosa Bruguière, 1789, as published in the binomen Ammonites nodosa (specific name of the type species of Ceratites de Haan, 1825) and as defined by the lectotype PIMUZ L/1651 designated by Rieber & Tozer (1986).

Additional references

Comments on the proposed conservation of some generic names first proposed in
Histoire abrégée des insectes qui se trouvent aux environs de Paris (Geoffroy, 1762)
(Case 2292; see BZN 48: 107–134; 49: 71–72)

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Before I became aware of Dr Kerzhner’s proposals I had prepared an application for
the conservation of Melolontha Fabricius, 1775, and I fully support his suggestions on
BZN 48: 121 (para. K.18). As said by Pope (BZN 49: 71), it is unacceptable to give
the authorship ‘Müller [or Geoffroy in Müller], 1764’ to names such as Melolontha
regardless of their taxonomic sense.

After Fourcroy (1785) the name Melolontha was not used in Geoffroy’s sense (i.e. in
the CHRYSMELIDAE) until Crotch (1870) and Des Gozis (1886, p. 33). The latter used
Melolontha Geoffroy as the valid senior synonym of Clytra Laicharting, 1781, and
proposed the new generic name Ludibius instead of Melolontha Fabricius for the
May beetle Scarabaeus melolontha Linnaeus, 1758. Only Bedel followed the restoration
of Melolontha Geoffroy, although in 1911 (p. 379) he abandoned Ludibius for
Hoplosternus, an unjustified emendation of Oplosternus, published by Guérin-
Méneville (1838, p. 63) for the scarabaeid Melolontha (Oplosternus) chinensis. The
generic name Melolontha Fabricius, 1775 for the May beetle *M. melolontha* is one of the
commonest names in pure and applied entomology; Dalla Torre (1912) gave more than
13 pages of references.

I am well acquainted with Lamellicornia names, and on the grounds of their
common usage I support the conservation of Copris Geoffroy, 1762 (Kerzhner’s para.
K.9) and Platycerus Geoffroy, 1762 (para. K.23). I also agree with Kerzhner (para. A.4)
that Geoffroy in Fourcroy is the correct authorship of the new specific names intro-
duced in Fourcroy’s 1785 Entomologia Parisiensis, as is pointed out by d’Aguilar &

Considering their usage the necessity to maintain many of Geoffroy’s names is
apparent. Their conservation with the authorship Geoffroy, 1762 as proposed by
Kerzhner is a highly stabilizing act which will avoid any future confusion about many
common generic names.

Additional references

Aguilar, J.d’ & Raimbault, F. 1990. Notes de bibliographie entomologique. 3. Geoffroy,

Bedel, L. 1911. Synonomies de Scarabaeidae paléarctiques (Col.). Bulletin de la Société
Entomologique de France, 1911: 377–381.


(2) S.J. Brooks
Department of Entomology, The Natural History Museum, Cromwell Road, London SW7 5BD, U.K.

I agree with Kerzhner’s proposal on BZN 48: 114–115 (para. G.1) to suppress Formicaleo and thus retain Euroleon Esben-Petersen, 1918 as the valid generic name for the ant-lion species nostras Geoffroy in Fourcroy, 1785. Prior to Leraut’s (1980) resurrection of Formicaleo it had not been in general usage for over 50 years. Even now the name has not been widely adopted by neuropterists, and it is not used in standard works on the MYRMELEONIDAE. On the other hand, Euroleon is well established in the literature.

Kerzhner’s point about possible confusion between Formicaleo and Formicaleon Banks, 1911 is also valid. Formicaleon is a well-known myrmeleonid genus and has been widely used in the past, although at present it is treated as a junior subjective synonym of the large and important genus Distoleon Banks. 1910, a point not referred to by Kerzhner.

Comment on the proposed conservation of the neotype designation for Paladin eichwaldi (Fischer von Waldheim in Eichwald, 1825) (Trilobita)
(Case 2778; see BZN 48: 203–205)

H.B. Whittington
Sedgwick Museum, Department of Earth Sciences, University of Cambridge, Downing Street, Cambridge CB2 3EQ, U.K.

I support this proposal to stabilize the current usage of Fischer von Waldheim’s specific name eichwaldi, as defined by Osmólska’s neotype in St Petersburg.

Comments on the proposed conservation of Ptychagnostus Jaekel, 1909 and Glyptagnostus Whitehouse, 1936 (Trilobita)
(Case 2805; see BZN 48: 200–202)

(1) A.W.A. Rushton
British Geological Survey, Keyworth, Nottingham NG12 5GG, U.K.

I wish to express my support for the proposal to conserve the names of the trilobite genera Ptychagnostus and Glyptagnostus with their accepted usage. Both of these genera, as currently understood, include species that are of great value in the intercontinental correlation of Cambrian rocks; their names are widely used in zonal
tabulations and correlation charts. Stabilisation of their names will thus benefit stratigraphers, as well as palaeontologists, world-wide.

(2) H.B. Whittington
Sedgwick Museum, Department of Earth Sciences, University of Cambridge, Downing Street, Cambridge CB2 3EQ, U.K.

I strongly support this application, which will settle a long-standing difficulty and conserve accepted usage.

Comment on the proposed conservation of the specific name of *Amphiuma tridactylum* Cuvier, 1827 (Amphibia, Caudata)
(Case 2771; see BZN 48: 238–239; 49: 73)

Hobart M. Smith
EPO Biology, University of Colorado, Boulder, Colorado 80309, U.S.A.

I should like to expand my previous brief note of support (BZN 49: 73) for Dr Dundee’s application. Every case in which the ‘nomen oblitum’ concept arises, now embodied in Article 79 of the Code, requires a judicious consideration of the relative merits of priority and stability. This particular case is not borderline, however. Salthe’s (1973) synopsis for *Amphiuma tridactylum* Cuvier, 1827 cites 63 works of sufficient scientific importance to note, and dozens more in the popular literature must have used the name. Undoubtedly the name has appeared in many other works published after Salthe’s account. Since the specific name *quadrupeda* has never been used as valid since it was proposed by Custis (1807), application of the principle of priority in this case would be a flagrant disservice to nomenclatural stability and should not be permitted.

Note on the proposed designation of a neotype for *Hyla chrysoscelis* Cope, 1880, and the designation of a neotype for *H. versicolor* Le Conte, 1825 (Amphibia, Anura)
(Case 2366; see BZN 40: 165–166; 45: 138–140)

Hobart M. Smith
Department of EPO Biology, University of Colorado, Boulder, Colorado 80309–0334, U.S.A.

Kevin T. Fitzgerald
Alameda East Veterinary Hospital, 9870 East Alameda, Denver, Colorado 80231, U.S.A.

Louis J. Guillette, Jr.
Department of Zoology, University of Florida, Gainesville, Florida 32611, U.S.A.

In 1983 we made a proposal (BZN 40: 165–166) to deal with the taxonomic and nomenclatural problems arising from the existence of two morphologically similar
treefrogs in the eastern United States. One of these is diploid, and has always been known as *Hyla chrysoscelis* Cope, 1880 since its differentiation from *H. versicolor* Le Conte, 1825 (which is tetraploid) by F.C. Johnson and his (mistaken) use in 1961 of the name *chrysoscelis*. Very unfortunately the holotype of Cope’s nominal species is a specimen of *H. versicolor*, a fact unknown to Johnson. We proposed as neotype of *chrysoscelis* the holotype of *H. versicolor sandersi* Smith & Brown, 1947, an unused synonym of *chrysoscelis* sensu Johnson. The *chrysoscelis*/versicolor species pair has become a much studied case of polyploidy in animals, and it is important that the two names should not be confused.

In September 1985 the Commission approved our proposals by a majority of 20:3. However, objection was made to the attribution of the authorship ‘Cope, 1880’ to the name of a taxon different from that described by Cope. Because of this and other questions we published a second application (BNZ 45: 138–140) proposing that the name *Hyla chrysoscelis* (with the same neotype) be taken from Johnson, 1961, where it was first used in the current sense.

In March 1990 Commissioners were asked to choose between our original (BNZ 40: 166) and revised (BNZ 45: 139) proposals, and they approved the former by a majority of 17:8. However, it was pointed out that the ploidy of the proposed *chrysoscelis* neotype (the holotype of *sandersi*) had not been mentioned. It has proved technically not possible to determine this, and we now designate a specimen of *H. chrysoscelis* (in the modern sense) as the neotype of Cope’s nominal species, subject to a Commission vote (which will not involve further use of the plenary powers) of acceptance of a change in proposal (1)(b) on BNZ 40: 166.

The proposed neotype is Texas Natural History Collection (University of Texas at Austin) no. 37293. It is an adult male, 38 mm s-v, from 2 miles west of the Colorado River on Highway 969, Bastrop County, Texas. It was collected in April 1970 by J.P. and J.E. Bogart, and bears J.P. Bogart’s field no. 2043. It belongs to the ‘fast-calling’ taxon (cf. Johnson, 1961) and is diploid (J.P. Bogart, personal communication); the karyotype conforms with the report by Ralin (1977, pp. 722–733, ‘locality 2’).

As reported by Duellmann (1977, p. 109) no type specimen exists of *H. versicolor* Le Conte, 1825. Because of the need to distinguish the species from *H. chrysoscelis* we here designate as neotype American Museum of Natural History specimen no. 84483. It is an adult male, 50 mm s-v, from Alpine, Bergen County, New Jersey (original type locality ‘northern states’). It is tetraploid (karyotype file as AMNH K207), belongs to the ‘slow-calling’ taxon, and was collected April 13, 1970 by Richard G. Zweifel. The Commission voted in 1990 to place versicolor on the Official List of Specific Names.

Acknowledgements
We are much indebted to Drs James P. Bogart (*University of Guelph*), Charles W. Myers and Margaret G. Arnold (*American Museum of Natural History*), David G. Cannatella (*Texas Memorial Museum*) and Roy W. McDiarmid (*U.S. National Museum*) for the loan of specimens and for their counsel.

References


Note on the proposed conservation of the names Epicrium Wagler, 1828 and Ichthyophiidae Taylor, 1968 (Amphibia, Gymnophiona), and on the conservation of Epicriidae Berlese, 1885 (Arachnida, Acari)

(Case 2616 and Opinion 1604; see BZN 45: 207–209; 46: 134; 47: 166–167; 48: 152–155, 335–336)

P.K. Tubbs
Executive Secretary, International Commission on Zoological Nomenclature

1. In Opinion 1604 (June 1990; BZN 47: 166–167) the caecilian generic name Epicrium Wagler, 1828 was suppressed in order that the derived family-group name Epicriidae Fitzinger, 1843 should not stand as a senior synonym of the widely accepted Ichthyophiidae Taylor, 1968. However, Prof Alain Dubois (Muséum National d’Histoire Naturelle, Paris) subsequently pointed out (BZN 48: 152–154) that Epicrium was a valid genus with its own type species, and not, as had been supposed, a replacement name for Ichthyophis Fitzinger, 1826. I accordingly proposed (BZN 48: 154–155) that the suppression of Epicrium should be revoked, and that Ichthyophiidae be given precedence over Epicriidae Fitzinger. The latter proposal reflects the views expressed by Wilkinson & Nussbaum (BZN 45: 207–209) and Smith (BZN 46: 134) but not by Dubois (BZN 48: 153–154); however, Prof Dubois has since suggested that Epicriidae Fitzinger should be rejected because it is a junior homonym (see below).

2. Dr P.T. Lehtinen and Prof R. Schuster mentioned (BZN 47: 166) that the name Epicriidae Berlese, 1855 (p. 129) is in use for a family of mesostigmatid mites, and is a junior homonym of the unused Epicriidae Fitzinger, 1843. The type genus of the mite family is Epicrius Canestrini & Fanzago, 1877 (p. 131); this was proposed for the species E. geometricus, which is a subjective synonym of Gamasus mollis Kramer, 1876 (p. 82). Prof Dubois (in litt., November 1991) has given a list (prepared by Dr Michel Naudo of the Laboratoire de Zoologie (Arthropodes), Muséum national d’Histoire naturelle, Paris) of 20 references using Epicriidae Berlese at family or superfamily rank; these include André (1949), Baker & Wharton (1968), Krantz (1970), Trägårth (1942) and Woolley (1988). It is evident that this family name should be conserved, and the simplest way of doing this is to take the whole name of Epicrium as the stem so that Fitzinger’s amphibian name would become Epicriumidae; it is unlikely to be used at family rank, as pointed out by Smith (BZN 48: 336). The spelling in proposals (1)(b) and (4)(b) on BZN 48: 155 should be amended accordingly.

3. Two further points remain. The first concerns the type species of Epicrium Wagler, 1828. As I reported on BZN 48: 154, Wagler originally published two specific names in association with Epicrium, i.e. hypocyana ‘Hasselt’ (with a reference given to Boie, 1827) and his new name hasseltii, and made it clear that these were for the same species, based on van Hasselt’s specimen. No reason was given for the proposal of hasseltii. Strictly speaking, Epicrium thus contained one taxonomic but two nominal species, the names of which are objective synonyms. On BZN 48: 153 (para. 3) Prof
Dubois gave *E. hasseltii* as the type by monotypy, while on p. 155 I stated the same for *Caecilia hypocyana* Boie, 1827. The latter is the valid name, and I now propose that *C. hypocyana* be designated the type species.

4. The second point concerns the spelling of *Ichthyophiidae* Taylor, 1968. It has always been spelled in this way, and was so placed on the Official List in Opinion 1604. On BZN 48: 335–336 Prof H.M. Smith suggested that the correct spelling should be *Ichthyophiidae*, since in Attic (Athenian) Greek the genitive of *ophis* (= snake) was *opheos*. Cannatella (1990) pointed out, however, that in other major dialects (e.g. Doric and Ionic) of Greek the genitive *ophios* was used, and that the Code (Article 11b(iv) and Glossary) does not distinguish between dialects of ‘ancient Greek’. There are many family-group names spelled -*OPHIIDAE* which are based on generic ones ending in -*OPHIS*, and it would be very destabilizing to change them (with varying degrees of acceptance in the literature) to the form -*OPHIIDAE*.

5. In addition to the proposals on BZN 48: 155 the International Commission on Zoological Nomenclature is asked:

(1) to use its plenary powers to rule that for the purposes of Article 29 the stem of the generic name *Epicrium* Wagler, 1828 is *EPICRIVM*;

(2) to designate *Caecilia hypocyana* Boie, 1827 as the type species of *Epicrium* Wagler, 1828;

(3) to amend the proposals on BZN 48: 155 to conform with those above;

(4) to place on the Official List of Generic Names in Zoology the name *Epicrius* Canestrini & Fanzago, 1877 (gender: masculine), type species by monotypy *Epicrius geometricus* Canestrini & Fanzago, 1877 (a junior subjective synonym of *Gamasus mollis* Kramer, 1876);

(5) to place on the Official List of Specific Names in Zoology the name *mollis* Kramer, 1876, as published in the binomen *Gamasus mollis* (senior subjective synonym of *Epicrius geometricus* Canestrini & Fanzago, 1877, the type species of *Epicrius* Canestrini & Fanzago, 1877);

(6) to place on the Official List of Family-Group Names in Zoology the name *EPICRIIDAE* Berlese, 1885 (type genus *Epicrius* Canestrini & Fanzago, 1877);

(7) to confirm that the original spelling of *ICHTHYOPHIIIDAE* Taylor, 1968 is correct.

**Additional references**


Comments on the proposed designation of a neotype for *Anniella pulchra* Gray, 1852
(Reptilia, Squamata)
(Case 2552; see BZN 48: 316–318)

(1) Royce E. Ballinger
School of Biological Sciences, University of Nebraska, Lincoln, Nebraska 68588–0118, U.S.A.

I write in favor of the application by Drs Murphy & Smith and their solution to a major problem in the nomenclature of *Anniella*. Theirs is, indeed, a very parsimonious and practical solution. Before Hunt (1983) called attention to the problem caused by the wrong application of a name to a specimen the treatment of *A. pulchra* in the literature was as outlined by Murphy & Smith (para. 5 of the application). To ‘flip-flop’ the literature as required by Hunt’s discovery would bring unnecessary instability and uncertainty not only to systematists but also to ecologists and other biologists.

Recently I have been working on a summary of the biology of North American lizards. My chapter on *Anniella* is complicated by the name-change confusion, a problem that will require many years to overcome unless the simple solution offered by Murphy & Smith is adopted. I urge the Commission to rule in favor of their proposal; it is both a reasonable and appropriate solution to what will otherwise become a major obstacle in literature searches on *Anniella* in the future. Although Hunt’s 1983 action may have been formally correct, to follow his course and not retrieve the situation by approving the designation of the neotype would be an error; two wrongs would not make a right.

(2) Lauren E. Brown
Department of Biological Sciences, Illinois State University, Felmley Hall 206, Normal, Illinois 61761, U.S.A.

I strongly support the application for the conservation of the specific name *Anniella pulchra* Gray, 1852 and the designation of a neotype. Drs Murphy and Smith have done an excellent job in presenting the case; it is well-written, timely and logically sound. The name *A. pulchra* has been in use for a very long time and it would be extremely unfortunate if the nomenclature were to be destabilized, resulting in confusion. I urge the Commission to vote in favour.

(3) Wilmer W. Tanner
Brigham Young University, Provo, Utah 84602, U.S.A.

I believe that Drs Murphy and Smith are correct in their analysis of the nomenclatural problem and concur that *Anniella pulchra* Gray, 1852 should be maintained as the valid name for the species; it would be most inadvisable to recognize *A. nigra argentea* Hunt, 1983. Names that have been in the literature over long periods of time and have been cited in numerous publications should not be abandoned without exceptional reasons. In this case I found little reason for accepting Hunt’s nomenclature for this unique species.
(4) Robert C. Stebbins
Museum of Vertebrate Zoology, University of California, Berkeley, California 94720, U.S.A.

I fully support the application by Drs Murphy and Smith to conserve the name Anniella pulchra Gray, 1852. To change this name would result in much confusion, more than is justified by a strict adherence to the Code.

(5) John B. Iverson
Department of Biology, Earlham College, Richmond, Indiana 47374, U.S.A.

I write to register my support for the application by Drs Murphy and Smith to conserve the name Anniella pulchra Gray, 1852. A decision in any other direction would result in chaos in the interpretation of the literature. On the other hand, a ruling in favor of their proposal would eliminate the confusion and stabilize the literature.

(6) David Chiszar
Department of Psychology, University of Colorado at Boulder, Campus Box 345, Boulder, Colorado 80309-0345, U.S.A.

I am writing to support the application by Drs Murphy and Smith to conserve the name Anniella pulchra Gray, 1852 in accordance with its accustomed understanding and usage. Use of the plenary powers will be necessary to designate a neotype for the taxon and, of course, the additional actions requested by the authors are needed to finalize the matter.

Failure to approve the application and, hence, the adoption of the nomenclatural arrangement proposed by Hunt (1983), would create unfortunate confusion in the literature on Anniella. Hopefully, this can be forestalled by the Commission.

(7) Further support for the conservation of Anniella pulchra Gray, 1852 and the designation of a neotype has been received from Prof Carl Gans (Department of Biology, The University of Michigan, Ann Arbor, Michigan 48109–1048, U.S.A.), Prof Anthony P. Russell (Department of Biological Sciences, The University of Calgary, 2500 University Drive N.W., Calgary, Alberta, Canada T2N 1N4) and Prof Laurie J. Vitt (Oklahoma Museum of Natural History, The University of Oklahoma, 1335 Asp Avenue, Norman, Oklahoma 73019–0606, U.S.A.).
OPINION 1675

Amphiporus Ehrenberg, 1831 (Nemertea): Planaria lactiflorea Johnston, 1828 designated as the type species

Ruling

(1) Under the plenary powers all previous designations of type species for the nominal genus Amphiporus Ehrenberg, 1831 are hereby set aside and Planaria lactiflorea Johnston, 1828 is designated as the type species.

(2) The name Amphiporus Ehrenberg, 1831 (gender: masculine), type species by designation under the plenary powers in (1) above Planaria lactiflorea Johnston, 1828, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name lactiflorea Johnston, 1828, as published in the binomen Planaria lactiflorea (specific name of the type species of Amphiporus Ehrenberg, 1831), is hereby placed on the Official List of Specific Names in Zoology.

History of Case 2707

An application for the designation of Planaria lactiflorea Johnston, 1828 as the type species of Amphiporus Ehrenberg, 1831 was received from Prof Ray Gibson (Liverpool Polytechnic, Liverpool, U.K.) and Dr Frank B. Crandall (Turkey Run Research Institute, McLean, Virginia, U.S.A.) on 30 January 1989. After correspondence the case was published in BZN 48: 22–24 (March 1991). Notice of the case was sent to appropriate journals. No comments were received.

Decision of the Commission

On 1 December 1991 the members of the Commission were invited to vote on the proposals published in BZN 48: 23. At the close of the voting period on 1 March 1992 the votes were as follows:

Affirmative votes — 28: Bayer, Bock, Bouchet, Cocks, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Štys, Thompson, Trjapitzin, Uéno, Willink

Negative vote — 1: Cogger.

Voting for, Dupuis commented that a specimen figured in McIntosh (1873–1874; see para. 6 of the application) should be designated the neotype of Planaria lactiflorea Johnston, 1828. Voting against, Cogger commented that to be effective the proposal required that the type(s) of lactiflorea are extant and unequivocal and this was not the case.

Original references

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:


OPINION 1676

*Lepidomenia* Kowalevsky in Brock, 1883 (Mollusca, Solenogastres): *Lepidomenia hystrix* Marion & Kowalevsky in Fischer, 1885 designated as the type species

Ruling

(1) It is hereby confirmed that authorship of the generic name *Lepidomenia* is Kowalevsky in Brock (1883).

(2) It is hereby confirmed that authorship of the specific name *hystrix*, as published in the binomen *Lepidomenia hystrix*, is Marion & Kowalevsky in Fischer (1885).

(3) Under the plenary powers all previous fixations of type species for the nominal genus *Lepidomenia* Kowalevsky in Brock, 1883 are hereby set aside and *Lepidomenia hystrix* Marion & Kowalevsky in Fischer, 1885 is designated as the type species.

(4) The name *Lepidomenia* Kowalevsky in Brock, 1883 (gender: feminine), type species by designation under the plenary powers in (3) above *Lepidomenia hystrix* Marion & Kowalevsky in Fischer, 1885, is hereby placed on the Official List of Generic Names in Zoology.

(5) The name *hystrix* Marion & Kowalevsky in Fischer, 1885, as published in the binomen *Lepidomenia hystrix* (specific name of the type species of *Lepidomenia* Kowalevsky in Brock, 1883), is hereby placed on the Official List of Specific Names in Zoology.

History of Case 2768

An application for the designation of *Lepidomenia hystrix* Marion & Kowalevsky in Fischer, 1885 as the type species of *Lepidomenia* Kowalevsky in Brock, 1883 was received from Mr David Heppell (*National Museums of Scotland, Edinburgh, U.K.*) on 6 April 1990. After correspondence the case was published in BZN 47: 254–257 (December 1990). Notice of the case was sent to appropriate journals. No comments were received.

Decision of the Commission

On 1 December 1991 the members of the Commission were invited to vote on the proposals published in BZN 47: 256. At the close of the voting period on 1 March 1992 the votes were as follows:

Affirmative votes — 27: Bayer, Bock, Bouchet, Cocks, Cogger, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Kabata, Kraus, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Štys, Thompson, Trjapitzin, Ueno, Willink

Negative votes — 1: Holthuis.

Lehtinen abstained.

Original references

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:


OPINION 1677

Haustator Montfort, 1810 (Mollusca, Gastropoda): conserved

Ruling
(1) Under the plenary powers the generic name Aculea Perry, 1810 is hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy.
(2) The name Haustator Montfort, 1810 (gender: masculine), type species by original designation Haustator gallicus Montfort, 1810 (a junior subjective synonym of Turritella imbricataria Lamarck, 1804), is hereby placed on the Official List of Generic Names in Zoology.
(3) The name imbricataria Lamarck, 1804, as published in the binomen Turritella imbricataria (senior subjective synonym of Haustator gallicus Montfort, 1810, the type species of Haustator Montfort, 1810), is hereby placed on the Official List of Specific Names in Zoology.
(4) The name Aculea Perry, 1810, as suppressed in (1) above, is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology.

History of Case 2736
An application for the conservation of Haustator Montfort, 1810 was received from Mr Richard E. Petit (North Myrtle Beach, South Carolina, U.S.A.) and M. Jacques Le Renard (Muséum National d'Histoire Naturelle, Paris, France) on 4 August 1989. After correspondence the case was published in BZN 48: 25–26 (March 1991). Notice of the case was sent to appropriate journals. No comments were received.

Decision of the Commission
On 1 December 1991 the members of the Commission were invited to vote on the proposals published in BZN 48: 26. At the close of the voting period on 1 March 1992 the votes were as follows:
Affirmative votes — 26: Bayer, Bock, Bouchet, Cocks, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthusis, Kabata, Kraus, Lehtinen, Mahnert, Martins de Souza, Minelli, Nielsen, Ride, Savage, Schuster, Starobogatov, Štys, Thompson, Trjapitzin, Ueno, Willink
Negative votes — 2: Cogger and Macpherson.
No vote was received from Nye.
Cogger commented that there did not appear to be any justification for rejecting Aculea, and that he would have preferred to give the name Haustator precedence or to rule that the latter was published first.

Original references
The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:
Aculea Perry, 1810, Arcana, or the Museum of Natural History, pl. 15.
Haustator Montfort, 1810, Conchylologie systématique, et classification méthodique des coquilles..., vol. 2, p. 182.
**OPINION 1678**

*Helicarion* Férussac, 1821 (Mollusca, Gastropoda): conserved, and *Helicarion cuvieri* Férussac, 1821 designated as the type species

**Ruling**

(1) Under the plenary powers:

(a) the correct original spelling of the generic name *Helixarion* Férussac, 1821 is deemed to be *Helicarion*;

(b) all designations of type species for the nominal genus *Helicarion* Férussac, 1821 prior to that by Gray (1847) of *Helicarion cuvieri* Férussac, 1821 are hereby set aside.

(2) The name *Helicarion* Férussac, 1821 (gender: masculine), type species by subsequent designation by Gray (1847) *Helicarion cuvieri* Férussac, 1821, as ruled in (1)(b) above, spelling confirmed in (1)(a) above, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name *cuvieri* Férussac, 1821, as published in the binomen *Helixarion cuvieri* and as defined by the neotype designated by Kershaw (1979) (specific name of the type species of *Helicarion* Férussac, 1821), is hereby placed on the Official List of Specific Names in Zoology.

(4) The name *helicarionidae* Bourguignat, 1883 (correction of *helixarionidae*; type genus *Helicarion* Férussac, 1821) is hereby placed on the Official List of Family-Group Names in Zoology.

(5) The name *Helixarion* Férussac, 1821, ruled in (1)(a) above to be an incorrect original spelling of *Helicarion*, is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology.

(6) The name *helixarionidae* Bourguignat, 1883 is hereby placed on the Official Index of Rejected and Invalid Family-Group Names in Zoology (an incorrect original spelling of *helicarionidae*).

**History of Case 2739**

An application for the conservation of *Helicarion* Férussac, 1821, and the designation of *Helixarion cuvieri* Férussac, 1821 as the type species, was received from Drs Brian J. Smith (Shepparton, Victoria, Australia) and Ron C. Kershaw (Launceston, Tasmania, Australia) on 7 September 1989. After correspondence the case was published in *BZN* 47: 258–262 (December 1990). Notice of the case was sent to appropriate journals.

A comment from Dr Gary Rosenberg (*The Academy of Natural Sciences, Philadelphia, Pennsylvania, U.S.A.*) was published in *BZN* 48: 140 (June 1991), together with a reply by the authors of the application. Dr Rosenberg supported the designation of *Helixarion cuvieri* Férussac, 1821 as the type species of *Helicarion* Férussac, 1821, but opposed the adoption of the name *Helicarion*, although he noted that this spelling (‘corrected’ from *Helicarion* by Férussac himself in 1821) had had the greater usage. It was noted on the voting paper that the application (para. 3) recorded only two uses of *Helicarion* this century; a third was Abbott (1989), who however used *helicarionidae*, as pointed out by Dr Rosenberg.
To settle the question of Helixarion versus Helicarion, Commissioners were asked to vote for or against proposal (1)(a) in BZN 47: 260 on the understanding that the entries on the Official Lists (proposals (2)–(6) in BZN 47: 261) would be made in accordance with the result.

Decision of the Commission

On 1 December 1991 the members of the Commission were invited to vote on the proposals published in BZN 47: 260–261. At the close of the voting period on 1 March 1992 the votes were as follows:


Negative votes — 4: Cocks, Holthuis, Macpherson and Stys.


Negative votes — 1: Macpherson.

No vote was received from Mahnert.

Original references

The following are the original references to the names placed on Official Lists and Official Indexes by the ruling given in the present Opinion:

cuvieri, Helixarion, Férussac, 1821, Tableaux systématiques des animaux mollusques... suivis d'un prodrome général..., p. 23 (folio), p. 19 (quarto).

Helicarion Férussac, 1821, Tableaux systématiques des animaux mollusques... suivis d'un prodrome général..., p. 23 (folio), p. 19 (quarto) (incorrectly spelled as Helixarion).

HELIXARIONIDAE Bourguignat, 1883, Annales des Sciences Naturelles (Zoologie), (6)15: art. 2, p. 9 (incorrectly spelled as HELIXARIONIDAE).

Helixarion Férussac, 1821, Tableaux systématiques des animaux mollusques... suivis d'un prodrome général..., p. 23 (folio), p. 19 (quarto) (an incorrect original spelling of Helicarion).

HELIXARIONIDAE Bourguignat, 1883, Annales des Sciences Naturelles (Zoologie), (6)15: art. 2, p. 9 (an incorrect original spelling of HELIXARIONIDAE).

The following is the reference for the designation of Helicarion cuvieri Férussac, 1821 as the type species of the nominal genus Helicarion Férussac, 1821:


The following is the reference for the designation of the neotype of Helicarion cuvieri Férussac, 1821:

**OPINION 1679**

*Kobeltia* Seibert, 1873 (Mollusca, Gastropoda): *Arion hortensis* Férussac, 1819 confirmed as the type species

**Ruling**

1. It is hereby confirmed that the nominal species *Arion hortensis* Férussac, 1819 is the type species of the genus *Kobeltia* Seibert, 1873.
2. The name *Kobeltia* Seibert, 1873 (gender: feminine), type species confirmed in (1) above as *Arion hortensis* Férussac, 1819, is hereby placed on the Official List of Generic Names in Zoology.
3. The name *hortensis* Férussac, 1819, as published in the binomen *Arion hortensis* and as defined by the lectotype designated by De Winter (1984) (specific name of the type species of *Kobeltia* Seibert, 1873), is hereby placed on the Official List of Specific Names in Zoology.

**History of Case 2670**

An application for the confirmation of *Arion hortensis* Férussac, 1819 as the type species of *Kobeltia* Seibert, 1873 was received from Dr Thierry Backeljau (Koninklijk Belgisch Instituut voor Natuurwetenschappen, Brussel, Belgium) on 28 June 1988. After correspondence the case was published in BZN 47: 270–273 (December 1990). Notice of the case was sent to appropriate journals. It was noted on the voting paper that the application was supported by Dr N.J. Evans (*The Natural History Museum, London, U.K.*).

**Decision of the Commission**

On 1 December 1991 the members of the Commission were invited to vote on the proposals published in BZN 47: 271–272. At the close of the voting period on 1 March 1992 the votes were as follows:


Negative votes — none.

No vote was received from Cogger.

**Original references**

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:


The following is the reference for the designation of the lectotype of *Arion hortensis* Férussac, 1819:

OPINION 1680

_Buthus vittatus_ Say, 1821 (currently _Centruroides vittatus_), _Centruroides hentzi_ Banks, 1904 (currently _Centruroides hentzi_) and _Buthus vittatus_ Guérin Méneville, [1838] (currently _Bothriurus vittatus_) (Arachnida, Scorpionida): specific names conserved

Ruling

(1) Under the plenary powers:
(a) the adult male specimen in the U.S. National Museum, Washington, D.C. labelled _Buthus vittatus_ Say, 1821, _neotype_, Det. S.A. Stockwell' from 'Brackettville, Kinney Co., Texas, 21 May 1984 (S.A. Stockwell)' is hereby designated as the neotype of _Buthus vittatus_ Say, 1821;
(b) the specific name _vittatus_ Guérin Méneville, [1838], as published in the binomen _Buthus vittatus_, is hereby ruled to be not invalid by reason of being a junior primary homonym of _Buthus vittatus_ Say, 1821.

(2) The following names are hereby placed on the Official List of Specific Names in Zoology:
(a) _vittatus_ Say, 1821, as published in the binomen _Buthus vittatus_ and as defined by the neotype designated in (1)(a) above;
(b) _vittatus_ Guérin Méneville, [1838], as published in the binomen _Buthus vittatus_ (not invalid despite being a junior primary homonym of _Buthus vittatus_ Say, 1821);
(c) _hentzi_ Banks, 1904, as published in the binomen _Centruroides hentzi_.

History of Case 2637

The name _Buthus vittatus_ Say, 1821 was based on a species of scorpion from Florida and Georgia, U.S.A. An application by Drs Scott A. Stockwell (_U.S. Army Natick Research, Development and Engineering Center, Natick, Massachusetts, U.S.A._) and Herbert W. Levi (_Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts, U.S.A._), published in BZN 46: 233–235 (December 1989), sought to designate a neotype for _vittatus_ in the sense in which the name has long been used for a species from Texas. It was also proposed that the name should be adopted from Wood (1863), the first author to describe the Texan species (although using the name in synonymy), so conserving _hentzi_ Banks, 1904, the name currently in use for the Florida species. Notice of the case was sent to appropriate journals.

Subsequent to publication of the application it became apparent that adoption of _vittatus_ from Wood (1863) had a number of disadvantages (set out in BZN 48: 55, March 1991), including a primary homonym, _Buthus vittatus_ Guérin Méneville, [1838], which would be senior to _vittatus_ ‘Wood, 1863’ and render the latter invalid. Drs Stockwell and Levi therefore revised their proposals, retaining the original authorship of _vittatus_ Say, 1821 and using the plenary powers to designate a neotype in accord with current usage. This would remove the synonymy with _hentzi_ Banks, 1904.

A comment from Dr Vincent D. Roth (_Portal, Arizona, U.S.A._) in support of the conservation of the names _Centruroides vittatus_ (Say, 1821) and _C. hentzi_ (Banks, 1904) for the Texas and Florida species respectively was published in BZN 48: 56.
A comment from Dr W. David Sissom (Elon College, North Carolina, U.S.A.), published in BZN 48: 56, supported the conservation of the name vittatus Say, 1821. Dr Sissom also proposed the conservation of vittatus Guérin Méneville, [1838]; the name is a junior primary homonym of vittatus Say, 1821 but the species has been included in the genus Bothriurus Peters, 1861 since 1876 and its name has never been replaced. The name is currently in use for a species of scorpion from Chile.

The Commission was asked to vote separately on the revised application to conserve the name vittatus Say, 1821 by designating a neotype, thereby also conserving hentzi Banks, 1904 (proposals published in BZN 48: 55), and on the application to conserve Buthus vittatus Guérin Méneville, [1838] (proposals published in BZN 48: 56).

Decision of the Commission
On 1 December 1991 the members of the Commission were invited to vote on the proposals published in BZN 48: 55 and 56. At the close of the voting period on 1 March 1992 the votes were as follows:


Negative votes — none.

Bouchet abstained.


Negative votes — 8: Bouchet, Cogger, Holthuis, Minelli, Savage, Starobogatov, Štys and Thompson.

Original references
The following are the original references to the names placed on an Official List by the ruling given in the present Opinion:


OPINION 1681

Vatellus Aubé, [1837] (Insecta, Coleoptera): conserved

Ruling

(1) Under the plenary powers the generic name Leucorea Laporte, 1835 is hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy.

(2) The name Vatellus Aubé, [1837] (gender: masculine), type species by monotypy of the replaced nominal genus Leucorea Laporte, 1835 Hydroporus tarsatus Laporte, 1835, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name tarsatus Laporte, 1835, as published in the binomen Hydroporus tarsatus (specific name of the type species of Vatellus Aubé, [1837]), is hereby placed on the Official List of Specific Names in Zoology.

(4) The name Leucorea Laporte, 1835, as suppressed in (1) above, is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology.

History of Case 2742

An application for the conservation of Vatellus Aubé, [1837] was received from Dr Anders N. Nilsson (University of Umeå, Umeå, Sweden) on 25 September 1989. After correspondence the case was published in BZN 48: 36–37 (March 1991). Notice of the case was sent to appropriate journals. No comments were received.

It was noted on the voting paper that proposals (2) and (3) in BZN 48: 37, para. 7 should be amended to read as above.

It was also noted that the dates of publication of Aubé’s ([1836–1838]) work Hydrocanthares were given by Méquignon in a footnote in Guignot (1931–1933, pp. 547–548). The date 1837 is given for pp. 65–224, which included the name Vatellus (p. 221).


Decision of the Commission

On 1 December 1991 the members of the Commission were invited to vote on the proposals published in BZN 48: 36–37, with the above amendments to (2) and (3). At the close of the voting period on 1 March 1992 the votes were as follows:

Affirmative votes — 26: Bayer, Bock, Cocks, Cogger, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Štys, Trjapitzin, Uénò, Willink

Negative votes — 3: Bouchet, Lehtinen and Thompson.

Dupuis commented that he reluctantly voted in favour, in consideration of the usage of Vatellus; it was clear that Aubé had had no objective reason (not even that of conditional proposal of the name) to reject Leucorea, and that the sentence used by the aristocratic Laporte in establishing the genus (quoted in para. 1 of the application) was merely an ‘understatement’ resulting from politeness, and was typical of the period. Lehtinen commented that since Aubé was aware of Laporte’s earlier name with the
same type species, disregard for priority, the basic principle of nomenclature, could not be supported.

**Original references**

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:


OPINION 1682

_Plusia falcifera_ Kirby, 1837 (currently _Anagrapha falcifera_; Insecta, Lepidoptera): specific name conserved

Ruling

1. Under the plenary powers the specific name _norma_ Hübner, [1821], as published in the binomen _Autographa norma_, is hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy.

2. The name _falcifera_ Kirby, 1837, as published in the binomen _Plusia falcifera_, is hereby placed on the Official List of Specific Names in Zoology.

3. The name _norma_ Hübner, [1821], as published in the binomen _Autographa norma_ and as suppressed in (1) above, is hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology.

History of Case 2748

An application for the conservation of the specific name of _Plusia falcifera_ Kirby, 1837 was received from Drs J. Donald Lafontaine (Biosystematics Research Centre, Agriculture Canada, Ottawa, Canada) and Robert W. Poole (Systematic Entomology Laboratory, c/o National Museum of Natural History, Washington, D.C., U.S.A.) on 13 November 1989. After correspondence the case was published in BZN 48: 41–42 (March 1991). Notice of the case was sent to appropriate journals. No comments were received.

Decision of the Commission

On 1 December 1991 the members of the Commission were invited to vote on the proposals published in BZN 48: 42. At the close of the voting period on 1 March 1992 the votes were as follows:

Affirmative votes — 26: Bayer, Bock, Cocks, Cogger, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Schuster, Starobogatov, Štys, Thompson, Trjapitzin, Uéno, Willink

Negative votes — 2: Bouchet and Lehtinen.

No vote was received from Savage.

Original references

The following are the original references to the names placed on an Official List and an Official Index by the ruling given in the present Opinion:


_norma, Autographa_, Hübner, [1821], _Verzeichniss bekannter Schmettlinge_, p. 251.
OPINION 1683

Simulium (Nevermannia) juxtacrenobium (Insecta, Diptera): specific name first available from the intended original description by Bass & Brockhouse, 1990

Ruling

(1) Under the plenary powers it is hereby ruled that the specific name juxtacrenobium Bass & Brockhouse, 1990, as published in the binomen Simulium (Nevermannia) juxtacrenobium, is deemed to be first available from that work and to be unavailable from its publication as Simulium juxtacrenobium by Brockhouse, Bass, Feraday & Straus (1989).

(2) The name juxtacrenobium Bass & Brockhouse, 1990, as published in the binomen Simulium (Nevermannia) juxtacrenobium, is hereby placed on the Official List of Specific Names in Zoology.

History of Case 2799

An application for the specific name of Simulium (Nevermannia) juxtacrenobium to be ruled as first available from the intended original description by Bass & Brockhouse (1990) was received from Drs Jon A.B. Bass (Institute of Freshwater Ecology, Monkwood Experimental Station, Abbots Ripton, Huntingdon, U.K.) and Charles Brockhouse (University of Toronto, Toronto, Canada) on 17 December 1990. After correspondence the case was published in BZN 48: 43–44 (March 1991). Notice of the case was sent to appropriate journals. No comments were received.

Decision of the Commission

On 1 December 1991 the members of the Commission were invited to vote on the proposals published in BZN 48: 44. At the close of the voting period on 1 March 1992 the votes were as follows:


Negative votes — 2: Štys and Thompson.

Kraus commented that he hesitated in voting for the proposal since no serious problems would be caused by the situation: there was no doubt what was meant. Štys commented that cases involving changed authorship and definition of a name because publications appeared in an unintended order were frequent; he considered they should be covered by the Code and not be dealt with individually. Thompson said a neotype designation could have allowed the name juxtacrenobium to be taken from the 1989 paper.

Original references

The following is the original reference to the name placed on an Official List by the ruling given in the present Opinion:

OPINION 1684

*Lepomis* Rafinesque, 1819 (Osteichthyes, Perciformes): gender fixed as masculine

Ruling

(1) Under the plenary powers the gender of the name *Lepomis* Rafinesque, 1819 is hereby ruled to be masculine.

(2) The name *Lepomis* Rafinesque, 1819 (gender: masculine, as ruled in (1) above), type species by original designation *Labrus auritus* Linnaeus, 1758, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name *auritus* Linnaeus, 1758, as published in the binomen *Labrus auritus* (specific name of the type species of *Lepomis* Rafinesque, 1819), is hereby placed on the Official List of Specific Names in Zoology.

History of Case 2715

An application for the gender of the name *Lepomis* Rafinesque, 1819 to be fixed as masculine was received from Profs David A. Etnier (University of Tennessee, Knoxville, Tennessee, U.S.A.) and Melvin L. Warren Jr. (Southern Illinois University, Carbondale, Illinois, U.S.A.) on 1 March 1989. After correspondence the case was published in BZN 47: 280–282 (December 1990). Notice of the case was sent to appropriate journals.

A comment from Dr Reeve M. Bailey (Museum of Zoology, University of Michigan, Ann Arbor, U.S.A.), published in BZN 48: 253–254 (September 1991), noted that while *Lepomis* Rafinesque, 1819 is feminine under a strict interpretation of Article 30b of the Code, it had had ‘highly consistent treatment’ as masculine, and that the American Fisheries Society had agreed this should be continued pending resolution of the case. A comment in support of the application from Prof C. Richard Robins (Rosensteil School of Marine and Atmospheric Science, Miami, Florida, U.S.A.) was also published in BZN 48: 254, together with a report of support from a further six ichthyologists. Among these, Prof Robert E. Jenkins (Roanoke College, Salem, Virginia, U.S.A.) noted (in litt.) that he would treat *Lepomis* as masculine in his forthcoming book (1992) on the freshwater fishes of Virginia, to be published by the American Fisheries Society and therefore to receive wide circulation. Prof Brooks M. Burr (Southern Illinois University at Carbondale, Carbondale, Illinois, U.S.A.) reported that in a field guide to 790 species of freshwater fishes of North America north of Mexico, co-authored by Prof L. Page and himself, *Lepomis* had been treated as masculine ‘in accordance with common and consistent practice over the past 40 years’.

Decision of the Commission

On 1 December 1991 the members of the Commission were invited to vote on the proposals published in BZN 47: 281. At the close of the voting period on 1 March 1992 the votes were as follows:

Affirmative votes — 24: Bayer, Bock, Bouchet, Cocks, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Štys, Thompson, Uéno

Negative votes — 3: Cogger, Starobogatov and Trjapitzin.

No votes were received from Kraus and Willink.
Holthuis commented that he voted in favour of the proposal to remove any doubts that might exist on the gender of the generic name; since the original author (Rafinesque) had treated it as masculine, the name should be treated as such and Commission action was unnecessary.

Original references
The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:
Rana sphenocephala Cope, 1886 (Amphibia, Anura): given precedence over Rana utricularius Harlan, 1826

Ruling

(1) Under the plenary powers the specific name sphenocephala Cope, 1886, as published in the trinomen Rana halecina sphenocephala, is hereby given precedence over the specific name utricularius Harlan, 1826, as published in the binomen Rana utricularius, whenever the two names are considered to be synonyms.

(2) The following names are hereby placed on the Official List of Specific Names in Zoology:

(a) sphenocephala Cope, 1886, as published in the trinomen Rana halecina sphenocephala, with the endorsement that it is to be given precedence over utricularius Harlan, 1826, as published in the binomen Rana utricularius, whenever the two names are considered to be synonyms;

(b) utricularius Harlan, 1826, as published in the binomen Rana utricularius, with the endorsement that it is not to be given priority over sphenocephala Cope, 1886, as published in the trinomen Rana halecina sphenocephala, whenever the two names are considered to be synonyms.

History of Case 2141

An application for Rana sphenocephala Cope, 1886 to be given precedence over Rana utricularius Harlan, 1826 was received from Profs Lauren E. Brown (Illinois State University, Normal, Illinois, U.S.A.), Hobart M. Smith (University of Colorado, Boulder, Colorado, U.S.A.) and Richard S. Funk (University of Tennessee, Knoxville, Tennessee, U.S.A.) on 19 October 1990. After correspondence the case was published in BZN 47: 283–285 (December 1990). Notice of the case was sent to appropriate journals.

A case for the conservation of the specific name sphenocephala Cope, 1886 by the suppression of utricularius Harlan, 1826 was published in 1977 (BZN 33: 195–203). Comments in support and opposition were published in BZN 34: 199–200 (February 1978) and 39: 80–84 (June 1982), and a reply by the authors of the application was published in BZN 39: 84–90. The opposition applied particularly to the suppression of utricularius and was largely on taxonomic grounds; because of this an impasse was reached and the case remained unresolved. In the past decade both specific names have had use (BZN 47: 284, para. 7), with sphenocephala predominating. The second application briefly reviewed the history and sought to give sphenocephala precedence over utricularius without suppressing the latter name.

On 7 May 1991 a letter in opposition was received from Dr George R. Zug (National Museum of Natural History, Washington, D.C., U.S.A.). Dr Zug stated that his letter was ‘for the Commission members’ attention’ and not for publication; a version for publication was requested but not received. Dr Zug had opposed the earlier application on taxonomic grounds (see BZN 39: 80–81) which were not accepted by the applicants.
(BZN 39: 84–90). In his recent letter Dr Zug said that he would not repeat those points again but ‘I remain opposed to the use of a junior synonym (sphenocephala) when a valid senior name (utricularius) is available and has been used recently and in major publications... Since Pace (1974) the name utricularius was gaining increasing use until Brown et al. published a note that sphenocephala should be used... The list of 103 references [from 1924–1974] using sphenocephala [see para. 5 of the application] has little bearing because its prior use was conceptually different from Pace’s utricularius and thus from the concept of sphenocephala now being supported by Brown et al... Please allow priority to determine usage’.

Dr Zug considered that utricularius Harlan, 1826 was the valid synonym of sphenocephala Cope, 1886. Prof Brown et al. believed that utricularius probably corresponded to pipiens Schreber, 1782; they pointed out that utricularius was unused until Pace (1974) and urged that sphenocephala should be conserved for the southern leopard frog for which it was in use. In an effort to settle the case they rescinded their previous request for the suppression of utricularius, which could remain available for a taxon within the ‘R. pipiens complex’.

A comment in support of the proposal by Brown et al. from Dr David M. Hollis (University of Texas, Austin, Texas, U.S.A.) was published in BZN 47: 298–299 (December 1990). Support was also received from Prof Jay M. Savage (University of Miami, Florida, U.S.A.).

Decision of the Commission

On 1 December 1991 the members of the Commission were invited to vote on the proposals published in BZN 47: 284–285. At the close of the voting period on 1 March 1992 the votes were as follows:

Affirmative votes — 20: Bock, Cocks, Corliss, Hahn, Halvorsen, HePELL (in part), Holthuis, Kabata, Kraus, Lehtinen, Mahnert, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Trjapitzin, Üeno, Willink

Negative votes — 9: Bayer, Bouchet, Cogger, Dupuis, Macpherson, Martins de Souza, Starobogatov, Štys and Thompson.

Heppell commented that to give one name precedence over the other was inappropriate since it did not seem possible to associate the name Rana utricularius Harlan, 1826 with any particular segregate; R. sphenocephala Cope, 1886 should be conserved to maintain stability and he therefore supported the proposal to place it on the Official List, but without any endorsement. He noted that it had been made clear in the revised application that utricularius was unused because of its accepted synonymy with the senior name R. pipiens Schreber, 1782, and that nothing in the original description of utricularius indicated that Pace (1974) was correct in regarding the taxon as a senior synonym of sphenocephala. The inadequate description, absence of type material (other than Pace’s contentious neotype) and ill-defined type locality meant that utricularius was a nomen dubium. The resurrection of a name long accepted as a junior synonym of one taxon in order to upset the long-established usage of another was unjustifiable. Cogger commented that, since sphenocephala and utricularius continued to appear in the literature as intraspecific names, to give one precedence was inappropriate and priority should apply. Dupuis, Macpherson, Martins da Souza and Štys commented that the taxonomy of the group was still unsettled.
Original references

The following are the original references to the names placed on an Official List by the ruling given in the present Opinion:


utricularius, Rana. Harlan, 1826, American Journal of Science and Arts, (1)10: 60.
OPINION 1686

*Natrix gemonensis* Laurenti, 1768 (currently *Coluber gemonensis*),
*Coluber viridiflavus* Lacépède, 1789 and *Coluber helveticus* Lacépède,
1789 (currently *Natrix natrix helvetica*) (Reptilia, Serpentes): specific
names conserved

Ruling

(1) Under the plenary powers:
(a) all previous fixations of type specimens for the nominal species *Natrix
gemonensis* Laurenti, 1768 are hereby set aside and specimen no. 1357.70 in the
Muséum d’Histoire Naturelle, Geneva, for which the data are given in BZN 48:
51, para. 4, is designated as the neotype;
(b) the following specific names are hereby ruled to be available despite having been
published in a rejected work:
(i) *helveticus* Lacépède, 1789, as published in the binomen *Coluber helveticus*;
(ii) *viridiflavus* Lacépède, 1789, as published in the binomen *Coluber viridi-flavus*.

(2) The following specific names are hereby placed on the Official List of Specific
Names in Zoology:
(a) *gemonensis* Laurenti, 1768, as published in the binomen *Natrix gemonensis*, and
as defined by the neotype designated in (1)(a) above;
(b) *helveticus* Lacépède, 1789, as published in the binomen *Coluber helveticus* and as
conserved in (1)(b)(i) above;
(c) *viridiflavus* Lacépède, 1789, as published in the binomen *Coluber viridi-flavus* and
as conserved in (1)(b)(ii) above.

History of Case 2675

An application for the conservation of the specific names of *Natrix gemonensis*
Laurenti, 1768, *Coluber viridiflavus* Lacépède, 1789 and *Coluber helveticus* Lacépède,
1789 was received from Dr Beat Schätli (Muséum d’Histoire Naturelle, Genève,
Switzerland), Mr Andrew F. Stimson (The Natural History Museum, London, U.K.)
and Dr Klaus Henle (Johann Wolfgang Goethe-Universität, Frankfurt am Main,
Germany) on 1 August 1988. After correspondence the case was published in BZN 48:
50–52 (March 1991). Notice of the case was sent to appropriate journals. No comments
were received.

Decision of the Commission

On 1 December 1991 the members of the Commission were invited to vote on the
proposals published in BZN 48: 51–52. At the close of the voting period on 1 March
1992 the votes were as follows:
Affirmative votes — 27: Bayer, Bock, Bouchet, Cocks, Cogger, Corliss, Dupuis,
Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Macpherson,
Mahnert, Minelli, Nielsen, Ride, Savage, Schuster, Starobogatov, Štys, Thompson,
Trjapitzin, Uéno, Willink
Negative votes — none.
No votes were received from Martins de Souza and Nye.
Original references
The following are the original references to the names placed on an Official List by the ruling given in the present Opinion:
gemonensis, Natrix, Laurenti, 1768, Specimen medicum, exhibens synopsin reptilium emendatum..., p. 76.
OPINION 1687

Phorusrhacos Ameghino, 1887 (Aves, Gruiformes): not suppressed

Ruling
(1) The name Phorusrhacos Ameghino, 1887 (gender: masculine), type species by monotypy Phorusrhacos longissimus Ameghino, 1887, is hereby placed on the Official List of Generic Names in Zoology.
(2) The name longissimus Ameghino, 1887, as published in the binomen Phorusrhacos longissimus (specific name of the type species of Phorusrhacos Ameghino, 1887), is hereby placed on the Official List of Specific Names in Zoology.
(3) The name Phorusrhacidae Ameghino, 1889 (correction of Phororhacidae; type genus Phorusrhacos Ameghino, 1887) is hereby placed on the Official List of Family-Group Names in Zoology.
(4) The name Phororhacos Ameghino, 1889 is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology (an unjustified emendation of Phorusrhacos Ameghino, 1887).
(5) The following names are hereby placed on the Official Index of Rejected and Invalid Family-Group Names in Zoology:
(a) Phororhacidae Ameghino, 1889 (an incorrect original spelling of Phorusrhacidae);
(b) Phororhacidae Lydekker, 1893 (an incorrect spelling of Phorusrhacidae).

History of Case 2723
An application for the conservation of Phororhacos Ameghino, 1889 was received from Drs Luis M. Chiappe & Miguel F. Soria (Museo Argentino de Ciencias Naturales, Buenos Aires, Argentina) on 5 May 1989. After correspondence the case was published in BZN 47: 198–201 (September 1990). Notice of the case was sent to appropriate journals.

An opposing comment from Dr Storrds L. Olson (National Museum of Natural History, Smithsonian Institution, Washington, D.C., U.S.A.) was published in BZN 48: 156–157 (June 1991), together with a comment from Prof Walter J. Bock (Chairman of the Standing Committee on Ornithological Nomenclature (SCON); Columbia University, New York, U.S.A.) reporting on the support for the application from the members of SCON. Dr Olson stated that, following the work of Brodkorb (1963, 1967) and as mentioned by the authors of the application (para. 8 in BZN 47: 199), the prior spelling Phorusrhacos Ameghino, 1887 was the name in current use and he considered that it would therefore be a mistake to suppress it. Instead of the proposals in BZN 47: 199, which sought to suppress Phorusrhacos and place Phororhacos Ameghino, 1889 on the Official List, Dr Olson proposed that Phorusrhacos should be confirmed as the valid name for the genus, with the concomitant family-group name Phorusrhacidae Ameghino, 1889.

It was noted on the voting paper that Phororhacos (1889) was an unjustified emendation of Phorusrhacos (1887) but was in exclusive use for many years. The rejection of Phorusrhacos as a nomen oblitum by Cracraft (1968) under Article 23b of the 1964 Code (see Article 79c(iii) of the current Code) was not strictly correct, since
Brodkorb (1963, 1967) had resurrected this spelling, but it had been argued (para. 7 of the application and comment by Prof Bock) that Brodkorb himself should have made the rejection. However, he did not do so, and *Phorusrhacos* entered use, with consequent lack of uniformity.

Both alternatives, the original proposal for the conservation of *Phororhacos* Ameghino, 1889 by the suppression of *Phorusrhacos* Ameghino, 1887 (BZN 47: 199; Proposal A), and the placement of *Phorusrhacos* Ameghino, 1887 on the Official List (BZN 48: 157; Proposal B), were offered for voting. The latter course did not involve the use of the Commission’s plenary powers. The family name placed on the Official List would be **PHORORHACIDAE** or **PHORUSRHACIDAE** respectively.

**Decision of the Commission**

On 1 December 1991 the members of the Commission were invited to vote on the proposals published in BZN 47: 199. At the close of the voting period on 1 March 1992 the votes were as follows:

Proposal A — 14: Bock, Corliss, Dupuis, Hahn, Heppell, Kraus, Mahnert, Martins de Souza, Nielsen, Ride, Savage, Starobogatov, Uéno and Willink.


Cocks commented that he agreed with Olson that priority and recent usage should be followed. Kabata noted that both proposals A and B had merit and that under these circumstances priority should be followed.

**Original references**

The following are the original references to the names placed on Official Lists and Official Indexes by the ruling given in the present Opinion:

*longissimus, Phorusrhacos, Ameghino, 1887, Boletín del Museo de La Plata, 1887: 24.*

**PHORORHACIDAE** Lydekker, 1893, *The Ibis, 5*: 43 (an incorrect spelling of **PHORUSRHACIDAE**).


**PHORORHACIDAE** Ameghino, 1889, *Actas de la Academia Nacional de Ciencias de Córdoba, 6*: 659 (an incorrect original spelling of **PHORUSRHACIDAE**).

**PHORUSRHACIDAE** Ameghino, 1889, *Actas de la Academia Nacional de Ciencias de Córdoba, 6*: 659 (incorrectly spelled as **PHORORHACIDAE**).

OPINION 1688

Coccyzus euléri Cabanis, 1873 (Aves, Cuculiformes): specific name conserved

Ruling

(1) Under the plenary powers the specific name julieni Lawrence, [1864], as published in the binomen Coccyzus julieni, is hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy.

(2) The name euléri Cabanis, 1873, as published in the binomen Coccyzus (= Coccyzus) euléri, is hereby placed on the Official List of Specific Names in Zoology.

(3) The name julieni Lawrence, [1864], as published in the binomen Coccyzus julieni and as suppressed in (1) above, is hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology.

History of Case 2727

An application for the conservation of the specific name of Coccyzus euléri Cabanis, 1873 was received from Drs Edwin O. Willis and Y. Oniki (Universidade Estadual Paulista, São Paulo, Brazil) on 14 June 1989. After correspondence the case was published in BZN 47: 195–197 (September 1990). Notice of the case was sent to appropriate journals.

An opposing comment from Dr Richard C. Banks (National Museum of Natural History, Washington, D.C., U.S.A.) was published in BZN 48: 155–156 (June 1991), together with a comment from Prof Walter J. Bock (Chairman of the Standing Committee on Ornithological Nomenclature (SCON); Columbia University, New York, U.S.A.) reporting on the support for the application from the members of SCON. A reply to Dr Banks’s comment by the authors of the application was published in BZN 48: 254–255 (September 1991), together with a further comment in support from Drs Kenneth C. Parkes and D. Scott Wood (Carnegie Museum of Natural History, Pittsburg, Pennsylvania, U.S.A.).

Decision of the Commission

On 1 December 1991 the members of the Commission were invited to vote on the proposals published in BZN 47: 196. At the close of the voting period on 1 March 1992 the votes were as follows:

Affirmative votes — 23: Bayer, Bock, Cocks, Cogger, Corliss, Dupuis, Hahn, Halvorsen, Holthuis, Kraus, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Ride, Savage, Schuster, Starobogatov, Štys, Trjapitzin, Uéno, Willink

Negative votes — 5: Bouchet, Heppell, Lehtinen, Nye and Thompson.

No vote was received from Kabata.

Nye commented that, since the senior synonym, Coccyzus julieni Lawrence, [1864], has had some usage in recent years for the South American species, priority should prevail.

Original references

The following are the original references to the names placed on an Official List and an Official Index by the ruling given in the present Opinion:

*julieni, Coccyzus*. Lawrence, [1864], *Annals of the Lyceum of Natural History of New York*, 8: 42 (Issued in the serial in 1867 but published as a separate in [1864]).
INSTRUCTIONS TO AUTHORS

The following notes are primarily for those preparing applications to the Commission; other authors should comply with the relevant sections. Applications should be prepared in the format of recent parts of the Bulletin; the Commission’s Secretariat reserves the right to return applications not so prepared.

Text. Typed in double spacing, this should consist of numbered paragraphs setting out the details of the case and leading to a final paragraph of formal proposals. Text references should give dates and page numbers in parentheses, e.g. ‘Daudin (1800, p. 39) described ...’. The Abstract will be prepared by the Secretariat.

References. These should be given for all authors cited. The title of periodicals should be in full and be underlined; numbers of volumes, parts, etc. should be in arabic figures, separated by a colon from page numbers. Book titles should be underlined and followed by the number of pages, the publisher and place of publication.

Submission of Application. Two copies should be sent to: The Executive Secretary, the International Commission on Zoological Nomenclature, c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K. It would help to reduce the time that it takes to process the large number of applications received if the typescript could be accompanied by a disk with copy in ASCII text in IBM PC format. It would also be helpful if applications were accompanied by photocopies of relevant pages of the main references where this is possible.

Applicants would be well advised to discuss their cases with other workers in the same field before submitting applications, so that they are aware of any wider implications and the likely reactions of other zoologists.
On the proposed conservation of the neotype designation for Paladin eichwaldi (Fischer von Waldheim in Eichwald, 1825) (Trilobita). H.B. Whittington 150


On the proposed conservation of the specific name of Amphiuma tridactylum Cuvier, 1827 (Amphibia, Caudata). H.M. Smith 151


On the proposed designation of a neotype for Anniella pulchra Gray, 1852 (Reptilia, Squamata). R.E. Ballinger; L.E. Brown; W.W. Tanner; R.C. Stebbins; J.B. Iverson; D. Chiszar; C. Gans; A.P. Russell; L.J. Vitt 155

**Rulings of the Commission**

Opinion 1675. Amphilorus Ehrenberg, 1831 (Nemertea): Planaria lactiflorea Johnston, 1828 designated as the type species 157

Opinion 1676. Lepidomenia Kowalevsky in Brock, 1883 (Mollusca, Solenogastres): Lepidomenia hystrix Marion & Kowalevsky in Fischer, 1885 designated as the type species 158

Opinion 1677. Haustator Montfort, 1810 (Mollusca, Gastropoda): conserved 159

Opinion 1678. Helicarion Féussac, 1821 (Mollusca, Gastropoda): conserved, and Helicarion cuvieri Féussac, 1821 designated as the type species 160

Opinion 1679. Kobelita Seibert, 1873 (Mollusca, Gastropoda): Arion hortensis Féussac, 1819 confirmed as the type species 162

Opinion 1680. Buthus vittatus Say, 1821 (currently Centruroides vittatus), Centrus hentzi Banks, 1904 (currently Centruroides hentzi) and Buthus vittatus Guérin Méneville, [1838] (currently Bothriurus vittatus) (Arachnida, Scorpionida): specific names conserved 163

Opinion 1681. Vatellus [Aubé], 1837 (Insecta, Coleoptera): conserved 165

Opinion 1682. Plusia falcifera Kirby, 1837 (currently Anagraphe falcifera; Insecta, Lepidoptera): specific name conserved 167

Opinion 1683. Simulium (Nevermannia) juxtaacrenobium (Insecta, Diptera): specific name first available from the intended original description by Bass & Brockhouse, 1990 168

Opinion 1684. Lepomis Rafinesque, 1819 (Osteichthyes, Perciformes): gender fixed as masculine 169

Opinion 1685. Rana sphenoecephala Cope, 1886 (Amphibia, Anura): given precedence over Rana urricularis Harlan, 1826 171

Opinion 1686. Natrix gemonensis Laurenti, 1768 (currently Coluber gemonensis), Coluber viridiflavus Lacépède, 1789 and Coluber helveticus Lacépède, 1789 (currently Natrix natrix helvetica) (Reptilia, Serpentes): specific names conserved 174

Opinion 1687. Phorusrhacos Ameghino, 1887 (Aves, Gruidiformes): not suppressed 176

Opinion 1688. Coccyzus euleri Cabanis, 1873 (Aves, Cuculiformes): specific name conserved 178

**Instructions to Authors** 180
## CONTENTS

<table>
<thead>
<tr>
<th>Notices</th>
<th>101</th>
</tr>
</thead>
<tbody>
<tr>
<td>The European Association for Zoological Nomenclature</td>
<td>102</td>
</tr>
<tr>
<td>The International Code of Zoological Nomenclature</td>
<td>102</td>
</tr>
<tr>
<td>Official Lists and Indexes of Names and Works in Zoology — Second Supplement to 1990</td>
<td>102</td>
</tr>
<tr>
<td>Bulletin of Zoological Nomenclature — Crustacea and Mollusca Offprints</td>
<td>103</td>
</tr>
<tr>
<td>Bulletin of Zoological Nomenclature — Back Copies</td>
<td>103</td>
</tr>
</tbody>
</table>

### Applications

| Mopsea Lamouroux, 1816 (Cnidaria, Anthozoa): proposed designation of *Isis enclinula* Lamarck, 1815 as the type species. P. Alderslade | 104 |
| Potamolitthus Pilsbry, 1896 (Mollusca, Gastropoda): proposed confirmation of *P. rushii* Pilsbry, 1896 as the type species. M.F.L. Armengol & M.O. Manceño | 109 |
| Strombiformis albus Da Costa, 1778 (currently *Melanella (Balcis)* alba; Mollusca, Gastropoda): proposed conservation of the specific name. A. Warén | 112 |
| Amicytheridea Bate, 1975 (Crustacea, Ostracoda): proposed designation of *Amicytheridea triangulata* Bate, 1975 as the type species. S.C. Khosla, S.R. Jakhar & M.H. Mohammed | 116 |
| Gerris paludum Fabricius, 1794 (currently *Aquarius paludum*; Insecta, Heteroptera): proposed conservation of the specific name. N.M. Andersen | 118 |
| Chrysobothris Eschscholtz, 1829 and *Dicerca* Eschscholtz, 1829 (Insecta, Coleoptera): proposed conservation as the correct original spellings. G.H. Nelson | 120 |
| Tachinidae Fleming, 1821 (Insecta, Coleoptera) and Tachinidae Robineau-Desvoidy, 1830 (Insecta, Diptera): proposed removal of homonymy, and Tachyporidae MacLeay, 1825 (Insecta, Coleoptera): proposed precedence over Tachinidae Fleming, 1821. A.F. Newton, M.K. Thayer & C.W. Sabrosky | 122 |
| Copromyzza limosa Fallén, 1820 (currently *Leptocera (Rachispoda)* limosa; Insecta, Diptera): proposed replacement of lectotype, so conserving usage of the specific name and also that of *Leptocera (Rachispoda)* lutosa (Stenhammar, 1855). K.C. Kim & J. Roháček | 127 |
| Ephthyridae Zetterstedt, 1837 (Insecta, Diptera): proposed precedence over Gymnomyzidae Latreille, 1829. W.N. Mathis & T. Zatwarnicki | 133 |
| Clidastes Cope, 1868 (Reptilia, Sauria): proposed designation of *Clidastes propython* Cope, 1869 as the type species. C.R. Kiernan | 137 |
| Procellaria gigantea Gmelin, [1789] (currently *Macronectes giganteus*; Aves, Procellariiformes): proposed conservation of usage of the specific name by designation of a neotype. J.-F. Voisin et al. | 140 |

### Comments

- On the citation of names in *Zoological Record* as evidence of general scientific use. M.J. Thorne | 144 |
- On the proposal to remove the homonymy between Clavidae McCrady, 1859 (Cnidaria, Hydrozoa) and Clavinae Casey, 1904 (Mollusca, Gastropoda). D.L. Tippett | 144 |
- On the proposed attribution of the specific name of *Cerattis nodosus* to Schlotheim, 1813, and the proposed designation of a lectotype (Cephalopoda, Ammonoidea). E.T. Tozer | 145 |
- On the proposed conservation of some generic names first proposed in *Histoire abrégée des insectes qui se trouvent aux environs de Paris* (Geoffroy, 1762). F.-T. Krell; S.J. Brooks | 149 |

*Continued on Inside Back Cover*
THE BULLETIN OF ZOOLOGICAL NOMENCLATURE

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BULLETIN OF ZOOLOGICAL NOMENCLATURE

Volume 49, part 3 (pp. 181–252) 30 September 1992

Notices

(a) Invitation to comment. The Commission is authorised to vote on applications published in the Bulletin of Zoological Nomenclature six months after their publication, but this period is normally extended to enable comments to be submitted. Any zoologist who wishes to comment on any of the applications is invited to send his contribution to the Executive Secretary of the Commission as quickly as possible.

(b) Invitation to contribute general articles. At present the Bulletin comprises mainly applications concerning names of particular animals or groups of animals, resulting comments and the Commission’s eventual rulings (Opinions). Proposed amendments to the Code are also published for discussion.

Articles or notes of a more general nature are actively welcomed provided that they raise nomenclatural issues, although they may well deal with taxonomic matters for illustrative purposes. It should be the aim of such contributions to interest an audience wider than some small group of specialists.

(c) Receipt of new applications. The following new applications have been received since going to press for volume 49, part 2 (published on 25 June 1992). Under Article 80 of the Code, existing usage is to be maintained until the ruling of the Commission is published.

1. *Ascopora* Trautschold, 1876 (Bryozoa, Cryptostomata): proposed designation of *Ceriopora nodosa* Fischer, 1837 as the type species. (Case 2847). P.N. Wyse Jackson.

2. *Chromadora* Bastian, 1865 (Nematoda): proposed designation of *C. nudicapitata* Bastian, 1865 as the type species. (Case 2848). P.A.A. Loof.


(8) *Cristella* *ria* *humilis* Reuss, 1863 and *Rotalia* *schloenbachii* Reuss, 1863 (currently *Astacolus* *humilis* and *Notoplanulina* *schloenbachii*; Foraminiferida): proposed replacement of neotypes by rediscovered lectotypes. (Case 2855). H. Meyn & J. Vespermann.

(d) **Rulings of the Commission.** Each Opinion, Declaration and Direction published in the *Bulletin* constitutes an official ruling of the International Commission on Zoological Nomenclature, by virtue of the votes recorded, and comes into force on the day of publication of the *Bulletin*.

**The European Association for Zoological Nomenclature**

The European Association for Zoological Nomenclature has recently been established to facilitate liaison between European zoologists and the Commission, and to support the Commission's work. Members will receive a yearly Newsletter with information on the activities of the Association and Commission, and will be able to buy the *Code* and the *Official Lists and Indexes* at substantial discounts.

The Association’s President is Dr V. Mahnert (Switzerland), the Vice-President Dr I.M. Kerzhner (Russia), the Secretary Dr E. Macpherson (Spain) and the Treasurer Dr M.A. Alonso-Zarazaga (Spain). Other members of the Inaugural Council are Dr H.M. André (Belgium), Dr J.-P. Hugot (France), Prof A. Minelli (Italy) and Dr C. Nielsen (Denmark). Membership of the Association is open to all European zoologists; further details can be obtained from Dr E. Macpherson, Instituto de Ciencias del Mar, Paseo Nacional, s/n 08039 Barcelona, Spain.

**The International Code of Zoological Nomenclature**

The Third Edition (published 1985) supersedes all earlier versions and incorporates many changes.

Copies can be ordered from I.T.Z.N., c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K. or A.A.N.Z., c/o NHB Stop 163, National Museum of Natural History, Washington D.C. 20560, U.S.A. The cost is £19 or $35, but members of the American Association for Zoological Nomenclature or the European Association for Zoological Nomenclature are offered the reduced price of £15 or $29; payment should accompany orders.

**Official Lists and Indexes of Names and Works in Zoology — Second Supplement to 1990**

*The Official Lists and Indexes of Names and Works in Zoology* was published in 1987. This book gives details of all the names and works on which the Commission has ruled since it was set up in 1895; there are about 9,900 entries.

Copies can be ordered from I.T.Z.N., c/o The Natural History Museum, Cromwell Road. London SW7 5BD, U.K. or A.A.Z.N., c/o NHB Stop 163, National Museum
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In the five years 1986–1990, 946 names and five works were added to the Official Lists and Official Indexes. A supplement has been prepared giving these additional entries, together with some amendments and updatings to entries in the 1987 volume. Copies can be obtained without charge from either of the above addresses.

**Bulletin of Zoological Nomenclature — Crustacea and Mollusca Offprints**

The International Trust for Zoological Nomenclature is offering a subscription for individual zoologists wishing to receive offprints of all cases in particular disciplines. For an annual payment of £15 or $25 subscribers will receive copies of all Applications, Comments and Opinions relating to either the Crustacea or the Mollusca as soon as they are published in the *Bulletin of Zoological Nomenclature*. Offprints are available back to 1980.

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**Bulletin of Zoological Nomenclature — Back Copies**

Back copies of all the volumes of the *Bulletin*, and of most volumes of the *Opinions and Declarations* that were published concurrently with vols. 1–16 of the *Bulletin*, are still available. Prices on application to I.T.Z.N., c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K.
Case 2806

Zanclea costata Gegenbaur, 1856 (Cnidaria, Hydrozoa): proposed conservation of both generic and specific names

Dale R. Calder

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Abstract. The purpose of this application is to conserve the generic and specific names of Zanclea costata Gegenbaur, 1856, familiar in the nomenclature of hydroids and hydromedusae. The names are threatened by the unused or seldom-used senior subjective synonyms Acrochordium Meyen, 1834, and Mnestra and M. parasites, both of Krohn (1853).

1. Meyen (1834, p. 165, pl. 28, fig. 8) established the new generic and specific names Acrochordium album for a hydroid found on pelagic Sargassum natans in the vicinity of the Azores. The generic name was considered to be a junior synonym of Coryne Gaertner, 1774 (p. 40) by J.L.R. Agassiz (1862, p. 185), Bedot (1905, p. 40) and Stechow (1923, p. 36). Acrochordium has not been used as valid since it was founded.

2. I re-examined the original description of Acrochordium album Meyen, 1834 and noted (Calder, 1988, p. 69) that it is a stolonal athecate hydroid with numerous capitate tentacles scattered over an elongate hydranth. Based on the description and illustrations provided by Meyen I concluded that it was congeneric with Zanclea Gegenbaur, 1856 (p. 229), rather than with Coryne Gaertner, 1774, and possibly conspecific with Zanclea costata Gegenbaur, 1856 (p. 229, pl. 8, fig. 4), the type species of Zanclea by monotypy. The name Z. costata was based on a medusa from the Mediterranean.

3. The infrequently used generic name Mnestra was established by Krohn (1853, p. 281) for the single species Mnestra parasites Krohn, 1853 (p. 281), also from the Mediterranean. This name was based on a medusa now known to have been deformed through parasitization by juvenile stages of the nudibranch mollusc Phylliroe bucephala Péron & Lesueur, 1810 (see Ankel, 1952, p. 118 and Rees, 1953, p. 219; Krohn thought, incorrectly, that the medusa was parasitic on the mollusc). Krohn’s taxon is regarded as conspecific with Zanclea costata Gegenbaur, 1856 (see Rees, 1953, p. 221; Picard, 1957, p. 6; Martin & Brinckmann, 1963, p. 207; Bouillon, 1985, p. 121). Although valid under the Code, the name Mnestra parasites has always been used in the context of parasitized medusae. Both the generic name Mnestra and the specific name parasites have been unused as valid since Kramp (1961, p. 53) noted that M. parasites was ‘probably identical’ with Zanclea costata.

4. The generic name Zanclea Gegenbaur, 1856 has been extensively used in the nomenclature of both hydroids and hydromedusae for more than a century (see, for example, J.L.R. Agassiz, 1862, p. 344; Bouillon, 1985, p. 121; Calder, 1988, p. 69; His
Majesty the Showa Emperor Hirohito, 1988, p. 61; Petersen, 1990, p. 141). A representative list of five additional important works in which the name has been used, published between 1953–1991, is held by the Commission Secretariat (these works also include references to the widely used specific name costata Gegenbaur, 1856). The family name Zancleidae, established by Russell (1953, p. 98), is also currently in widespread use. Replacement of Zanclea with either of the little-known earlier subjective synonyms Acrochordium Meyen, 1834 or Mnestra Krohn, 1853 would cause considerable disturbance to hydrozoan nomenclature. I propose that the latter two names be suppressed.

5. Picard (1957, p. 6, footnote) recognized that the names Mnestra and M. parasites, both of Krohn (1853), had priority over Zanclea and costata but adopted Gegenbaur’s (1856) names in the expectation that the Commission would not allow Zanclea and costata to be abandoned. However, Picard never submitted a case to the Commission to settle the matter.

6. In addition to Mnestra parasites, I have previously discussed (Calder, 1988, p. 70) three other possible senior subjective synonyms of Zanclea costata: Acrochordium album Meyen, 1834, Coryne sessilis Gosse, 1853 (p. 208, pl. 14, figs. 1–3) and Tubularia implexa Alder, 1856 (p. 439). The name T. implexa Alder (December 1856) is now known to have been published later than Z. costata Gegenbaur (July 1856); moreover, there is evidence suggesting that it is a different species (see Rees & Roa, 1966). Taxonomic questions remain about Z. alba (Meyen), Z. sessilis (Gosse) and Z. implexa (Alder), however, and the relationships of these three to Z. costata Gegenbaur are unsettled. In discussing the genus Petersen (1990, p. 141) concluded that ‘the delimitation of Zanclea species is presently in a state of chaos’. Accordingly, I consider it inadvisable to request the suppression of specific names other than parasites in this case.

7. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to suppress the following names for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:
   (a) the generic names:
      (i) Acrochordium Meyen, 1834;
      (ii) Mnestra Krohn, 1853;
   (b) the specific name parasites Krohn, 1853, as published in the binomen Mnestra parasites;
(2) to place on the Official List of Generic Names in Zoology the name Zanclea Gegenbaur, 1856 (gender: feminine), type species by monotypy Zanclea costata Gegenbaur, 1856;
(3) to place on the Official List of Specific Names in Zoology the name costata Gegenbaur, 1856 (specific name of the type species of Zanclea Gegenbaur, 1856);
(4) to place on the Official Index of Rejected and Invalid Generic Names in Zoology the following names:
   (a) Acrochordium Meyen, 1834, as suppressed in (1)(a)(i) above;
   (b) Mnestra Krohn, 1853, as suppressed in (1)(a)(ii) above;
(5) to place on the Official Index of Rejected and Invalid Specific Names in Zoology the name parasites Krohn, 1853, as published in the binomen Mnestra parasites and as suppressed in (1)(b) above.
Acknowledgements
I am grateful to Dr P.F.S. Cornelius of The Natural History Museum, London for comments on an early draft of the manuscript, and to Mrs A. Gentry of the Commission Secretariat for help in the preparation of the application.

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Case 2827

Gebia major capensis Krauss, 1843 (currently Upogebia capensis; Crustacea, Decapoda): proposed replacement of neotype, so conserving the usage of capensis and also that of G. africana Ortmann, 1894 (currently Upogebia africana)

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Abstract. The purpose of this application is to conserve the accustomed usage of the specific names of two South African species of prawns: Upogebia capensis (Krauss, 1843) and U. africana (Ortmann, 1894). The latter species is commonly known as the mud-prawn or mud-shrimp. It is proposed to designate a replacement neotype for capensis from material of the species as presently understood; the previously designated neotype is a specimen of africana.

1. Three species of Gebia Leach, 1815 (p. 342; family UPOGEBIIDAE) were described from South Africa. Gebia major var. capensis Krauss, 1843 (p. 54) was originally described as a variety of Gebia major de Haan, [1841] (pl. 35, fig. 7; text (p. 165) published in [1849]; see Sherborn & Jentink (1895, p. 150) and Holthuis (1953, p. 37) for the dates of publication). The type material from Table Bay is now lost. The original description was short and by modern standards very incomplete and cannot be definitely reconciled with any single species known today. G. subspinosa Stimpson, 1860 (p. 22) was described from Simon’s Bay; the fate of its type material is unknown. G. africana Ortmann, 1894 (p. 22, pl. 2, fig. 4) was described from Port Elizabeth. The holotype of this species is in the Zoological Museum, Strasbourg; it is a male without its abdomen (cephalothorax length 19.5 mm). Although in rather poor condition, it still shows the main characteristics of the species.

2. Since 1910 all three species have been referred to the genus Upogebia Leach, [1814] (pp. 386, 400; see Rathbun, 1897, p. 154, footnote for the date of publication). Until 1947 there was confusion between the three taxa and usually only one nominal species, U. capensis, was recognised (see, for example, Stebbing, 1900, p. 45; Stebbing, 1910; Balss, 1916, p. 34; Lenz & Strunck, 1914, p. 291; de Man, 1927, pp. 32–34; de Man, 1928, pp. 37, 41, 51). Barnard (1947, pp. 380, 381; 1950, pp. 514–520, fig. 96) revised the South African species of Upogebia and concluded that two species were involved: U. capensis (Krauss), characterised by a subdistal spine on the upper border of the merus of pereopod 1 and coxal spines on pereopods 1–3, and U. africana (Ortmann),
characterised by the absence of these spines. Stimpson’s nominal species Gebia subspinosa was considered to be a synonym of U. capensis as the presence of coxal spines was mentioned in its original description.

3. Barnard’s taxonomic arrangement has been generally adopted and at least 15 papers have been published since 1950 using his nomenclature. Besides agreeing on Barnard’s morphological definition of the species, several authors have agreed on their ecological and geographical separation which is consistent with their type localities. There are no river outlets in Table Bay, and Krauss’s material of U. capensis was therefore almost certainly from a marine rather than an estuarine habitat; the species is currently regarded as mainly marine to 80 metres depth, from southwestern and southern Africa between Lüderitz and Mossel Bay (Hill, 1981; Branch & Branch, 1981; Kensley, 1981). U. africana is estuarine to 18 metres depth mostly in eastern South Africa between Olifants River and Natal (Siegfried, 1962; Hill, 1977; Branch & Branch, 1981; Kensley, 1981; Hanekom, 1982; Martin & Baird, 1987; Hanekom & Erasmus, 1988; Zoutendyk & Bickerton, 1988). A further six references demonstrate this usage (Schaefer, 1970; Hill & Allanson, 1971; Ngoc-Ho, 1979, 1991; Emmerson, 1983; Atkinson & Taylor, 1988) and this is the usage in general marine biology texts in South Africa.

4. Sakai (1982, p. 44, fig. 9c, pls. A6, D5–6) selected a neotype for Upogebia capensis (Krauss, 1843) from material collected from Knysa, eastern South Africa by Hartmann in 1967, and originally identified as africana Ortmann, 1894 (see Hartmann-Schröder & Hartmann, 1974, p. 49). The specimen is a male, 55 mm in total length, housed in the Zoologisches Museum, Hamburg (catalogue no. ZMH 30877, selected from material originally registered as ZMH 29852). Sakai considered that U. africana was a junior synonym of U. capensis, and his selection of a neotype for capensis from material commonly assigned to U. africana in effect sank the latter name. The name U. subspinosa was revived by Sakai for what has been commonly called U. capensis, and the latter name was applied to U. africana (as defined by the holotype and as generally understood).

5. Sakai’s (1982) selection of a neotype for Upogebia capensis has been ignored, probably not deliberately, by 10 authors in seven ecological papers since 1982 (see para. 3 above) and followed by only one (Holthuis, 1991, p. 233), who noted the unfortunate consequence that the name capensis has been transferred from one species to the other. The neotype upsets the nomenclature generally adopted since Barnard’s (1947), and (1950) papers, and it came from material collected at the Knysna estuary (G. Hartmann, personal communication) which is not only far from Table Bay but is ecologically different and outside the geographical range of Upogebia capensis as generally understood (see Kensley, 1981, p. 31). In order to preserve the current usage of Upogebia capensis we propose that Sakai’s (1982) neotype should be set aside and a replacement selected from material corresponding to the U. capensis of authors, collected in a marine environment, within the accepted geographical range and as close as practicable to the original type locality. The proposed replacement neotype, specimen no. 14895 in the South African Museum, Cape Town, was determined by K.H. Barnard as an ovigerous female with carapace length 22 mm and total length 65 mm; it is from Saldanha Bay, South Africa.

6. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to set aside the neotype designation of Sakai (1982) for Gebia major capensis Krauss. 1843 and to designate in its place specimen no.
14895 in the South African Museum, for which the data are given in para. 5 above;
(2) to place the following names on the Official List of Specific Names in Zoology:
(a) capensis Krauss, 1843, as published in the trinomen Gehia major var. capensis
and as defined by the neotype designated in (1) above;
(b) africana Ortmann, 1894, as published in the binomen Gehia africana.

Acknowledgements
We thank Prof. L.B. Holthuis for comments on this proposal, and Dr G. Hartmann
(Zoologische Museum, Hamburg) and Ms M. van der Merve (South African Museum)
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Case 2828

Podisus Herrich-Schaeffer, 1851 (Insecta, Heteroptera): proposed conservation of *P. vittipennis* Herrich-Schaeffer, 1851 as the type species

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**Abstract.** The purpose of this application is to conserve the name *Podisus* Herrich-Schaeffer, 1851 in its accustomed usage for a genus of predatory stink-bugs important as biological control agents. Kirkaldy’s (1909) designation of *P. vittipennis* Herrich-Schaeffer, 1851 as the type species is preceded by Schouteden’s (1907) designation of *P. punctipennis* Herrich-Schaeffer, 1851. The earlier designation would make *Podisus* a junior subjective synonym of *Apateticus* Dallas, 1851, and the genus as universally understood would be replaced by *Telepta* Stål, 1860, rejected as a junior synonym of *Podisus* for over 120 years.

1. In July 1851, Dallas (p. 105) established the genus *Apateticus* for a single new species *halys* (p. 105). This specific name is a synonym of the older name *Halys lineolata* Herrich-Schaeffer, 1840 (p. 69) giving the valid combination *Apateticus lineolatus* (Herrich-Schaeffer).

2. In November 1851, Herrich-Schaeffer (p. 296) established the genus *Podisus* for some previously described but unspecified species, plus five new ones which he named: *punctipennis* (p. 338), which is a junior synonym of *Apateticus lineolatus* (Herrich-Schaeffer, 1840); *strigipes* (p. 338), which has been transferred to *Perillus* Stål, 1862; *vittipennis* (p. 339); *pallipes* (p. 339); *albiseptus* (p. 339). No type species was designated.

3. Stål (1860, p. 10) proposed the nominal genus *Telepta* to contain six species but did not fix any of them as type species. Subsequently, Kirkaldy (1909, p. xviii) designated *T. crassimargo* Stål, 1860 as the type species of *Telepta*. Stål (1870, p. 49) himself placed *Telepta* in synonymy with *Podisus*.

4. Distant (1902, p. 254) stated that *lineolatus* was the type species of *Podisus*. However, this was not a valid type species designation under the modern Code, since *lineolatus* was not one of the nominal species originally included by Herrich-Schaeffer when he proposed *Podisus* and Distant did not cite the synonymy of *lineolatus* with any of the originally included nominal species.

5. Schouteden (1907, p. 70), presumably relying on the type species selection by Distant (1902) but not actually citing him, stated: ‘D’ailleurs le type de *Podisus* et de *Apateticus* est le même et il fallait déjà nommer à nouveau le sous-genre *Podisus*
s. str. des auteurs antérieurs'. Schouteden noted that 'le type du genre (et sous-genre) Apateticus est A. lineolatus Herrich-Schaeffer (Halys Dallas)...'. In the list of species Schouteden cited the synonymy of lineolatus with punctipennis thereby, under Article 69a(v) of the Code, validly designating punctipennis as the type of Podisus. Schouteden recognized that Podisus thus became a synonym of the older name Apateticus Dallas, having synonymous type species. Schouteden (1907, p. 68) proposed a new genus Eupodisus to hold those species previously placed under Podisus, listing Eupodisus as a subgenus of Apateticus and placing Telepta Stål as a synonym of his new name. Schouteden (p. 70) designated Apateticus modestus Dallas, 1851 as type species of Eupodisus.

6. Kirkaldy (1909, p. xxviii) rejected Schouteden's arrangement and selected Podisus vittipennis Herrich-Schaeffer as type species of Podisus. Kirkaldy (p. 18) placed Eupodisus and Telepa as synonyms of Podisus, listing Podisus as a subgenus of Apateticus.

7. All subsequent workers have considered Podisus and Apateticus as separate genera. Since Schouteden (1907) and Kirkaldy (1909), none of the species listed by them under the genus-group names Podisus or Eupodisus has appeared in the primary literature in combination with Apateticus, Telepa, Eupodisus or any genus-group name other than Podisus. In one instance the combination Apateticus (Eupodisus) mellipes (Bergroth, 1891) appeared in a book on Brazilian insects (Costa-Lima, 1940, p. 49). This single usage may be sufficient to prevent Eupodisus Schouteden, 1907 from being thought of as an unused name, but it is still a junior subjective synonym of Telepa Stål, 1860. The generic name Podisus is well established in the ecological literature since it contains several ecologically important species. For example, McPherson (1980) provided a bibliography of 74 published articles on the prey of just one species, Podisus maculiventris Say, 1831. A list of a further 20 recent publications on Podisus is held by the Commission Secretariat.

8. If Schouteden's validation of Distant's selection of Apateticus lineolatus (= Podisus punctipennis) is allowed to stand, then the genus long known as Podisus would be called Telepa, a name which has not been used since it was proposed in 1860 and put into synonymy by Stål in 1870.

9. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to set aside all fixations of type species for the nominal genus Podisus Herrich-Schaeffer, 1851 prior to the designation by Kirkaldy (1909) of Podisus vittipennis Herrich-Schaeffer, 1851;

(2) to place on the Official List of Generic Names in Zoology the name Podisus Herrich-Schaeffer, 1851 (gender: masculine), type species by subsequent designation by Kirkaldy (1909) Podisus vittipennis Herrich-Schaeffer, 1851;

(3) to place on the Official List of Specific Names in Zoology the name vittipennis Herrich-Schaeffer, 1851, as published in the binomen Podisus vittipennis (specific name of the type species of Podisus Herrich-Schaeffer, 1851).

References


Case 2795

ANTHRIBIDAE Billberg, 1820 (Insecta, Coleoptera): proposed precedence over CHORAGIDAE Kirby, 1819

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Abstract. The purpose of this application is to conserve the well known beetle family name ANTHRIBIDAE Billberg, 1820 (type genus Anthribus Geoffroy, 1762) by giving it precedence over CHORAGIDAE Kirby, 1819 (type genus Choragus Kirby, 1819).

1. The genus Choragus and family CHORAGIDAE were introduced by Kirby (1819, p. 447) for the single species C. sheppardi (p. 448).
2. The name ANTHRIBIDAE was introduced by Billberg (1820, p. 39, as Anthribides). The type genus is Anthribus; the history of this name has been discussed by Kerzhner (BZN 48: 118), who has proposed that it be conserved with the authorship of Geoffroy (1762, p. 306). I support Kerzhner’s proposals and, on the assumption that they will be accepted by the Commission, I do not suggest below any action concerning Anthribus or the name of its type species (see proposals (1)(c), (6)(c) and (9)(h) on BZN 48: 126, 127 and 129). Nominal species were first included in Anthribus by Forster (1770), and A. fasciatus Forster, 1770 (p. 5) was designated as type species by Jordan (1931, p. 287).
3. The family name ANTHRIBIDAE has been used in numerous works, relating to all parts of the world. CHORAGINAE has been used occasionally at subfamily rank within the ANTHRIBIDAE, but so far as I know never for a family-group taxon containing Anthribus, even when its priority over ANTHRIBIDAE has been acknowledged (see Holloway, 1982, p. 14). A change of the well established usage would only cause confusion. A list of 11 representative works to illustrate the usage of ANTHRIBIDAE has been given to the Commission Secretariat.
4. The International Commission on Zoological Nomenclature is accordingly asked:
   (1) to use its plenary powers to rule that the family-group name ANTHRIBIDAE Billberg, 1820 is to be given precedence over the name CHORAGIDAE Kirby, 1819;
   (2) to place on the Official List of Generic Names in Zoology the name Choragus Kirby, 1819 (gender: masculine), type species by monotypy Choragus sheppardi Kirby, 1819;
   (3) to place on the Official List of Specific Names in Zoology the name sheppardi Kirby, 1819, as published in the binomen Choragus sheppardi (specific name of the type species of Choragus Kirby, 1819);
   (4) to place on the Official List of Family-Group Names in Zoology the following names:
      (a) ANTHRIBIDAE Billberg, 1820 (type genus Anthribus Geoffroy, 1762), with the endorsement that it and other family-group names based on Anthribus are to be given precedence over those based on Choragus Kirby, 1819;
(b) CHORAGIDAE Kirby, 1819 (type genus *Choragus* Kirby, 1819), with the endorsement that it and other family-group names based on *Choragus* are not to be given priority over those based on *Anthribus* Geoffroy, 1762.

References


Case 2811

*Catocala connubialis* Guenée, 1852 (Insecta, Lepidoptera): proposed conservation of the specific name

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Abstract. The purpose of this application is to conserve the specific name of the Connubial Underwing moth *Catocala connubialis* Guenée, 1852. This name is threatened by its unused senior synonym *Phalaena amasia* Smith, 1797 which was long thought to be invalid as a junior secondary homonym of *Catocala amasia* (Esper). However, it is now known that Esper's name was not published until 1804. Smith's name *amasia* is therefore available and it is now proposed that it be suppressed.

1. In 1797, J.E. Smith (p. 179) described and named as *Phalaena amasia* a new species of *Catocala* Schrank, 1802 from Virginia and Georgia. He figured two specimens on pl. xc, a male (upper right) and a female (lower left), stating: 'In this species the sexes differ more than usual in the colour of their upper wings. From the beautiful male our character is taken, according to general custom in insects as well as birds; but it applies also to the female as much as possible'. Early Nearctic *Catocala* workers recognized that the two specimens figured as *amasia* were not conspecific. The name *amasia* was subsequently restricted to the male upon which Smith had based his diagnosis. Smith's figured female was referred to *Catocala similis* Edwards, 1864 (see Grote & Robinson, 1866; Hulst, 1884; Smith, 1893; Dyar, 1903).

2. At the close of the 18th century, in *Die Schmetterlinge in Abbildungen...*, Esper described a *Catocala* species from Turkey as *Noctua amasia*. Throughout the 19th and 20th century literature the date of Esper's work was cited as 1796 (see Hampson, 1913, p. 115; Nye, 1975, p. 198); Sherborn & Woodward (1901, p. 139) accepted this date. Only recently has it been shown (Heppner, 1981, p. 253) that both the text (Theil 4, Band 2, Abschnitt 2, p. 55) and illustrations (Theil 4, Band 2, Abschnitt 1, pl. 194, figs. 1–2) comprising the description of *amasia* Esper were in fact not published until 1804.

3. In his catalogue of the *Noctuidae*, Hampson (1913) placed *amasia* Esper as a synonym of *Phalaena puerpera* Giorna, 1791 (p. 104), and *amasia* Smith as a species in the genus *Ephesia* Hübner, 1818 (p. 11). In the Seitz volumes, Warren (1914) followed Hampson's treatment of these two taxa.

4. In their revision of the Nearctic *Catocala*, Barnes & McDunnough (1918, p. 17) showed that Hampson's division of *Catocala* into separate genera on the basis of adult leg spination was without merit, and placed *Ephesia* and Hampson's other genera as synonyms of *Catocala*. Nearctic workers (e.g. McDunnough, 1938; Forbes, 1954; Sargent, 1976; Hodges, 1983; Covell, 1984) have universally followed Barnes & McDunnough's generic treatment; indeed, *Catocala* is the only genus used by most Nearctic workers since the latter part of the 19th century. In the post-Hampson
Palearctic literature, *Ephesia* was treated as a valid genus by some authors (e.g. Draudt, 1939; Forster & Wohlfahrt, 1971) or subgenus (Agenjo, 1959). However, more recent Palearctic workers (e.g. Martin, 1980; Inouye et al., 1982; Sugi et al., 1987) have treated *Ephesia* as a synonym of *Catocala*. Poole, in his *Catalogue of the World Noctuidae* (1989), transferred to *Catocala* all taxa originally described in *Ephesia* and the other Hampsonian genera.

5. Beutenmüller (1907, p. 146) was apparently the first Nearctic worker to address the secondary homonymy involving *amasia* that occurs by treating *Catocala* as the only valid generic name. He resolved this homonymy by citing *amasia* Smith, 1797 as preoccupied by *amasia* Esper which he thought to date from 1786. He then placed *Catocala amasia* Smith under the synonymy of *Catocala cordelia* Edwards, 1880 (p. 59). Barnes & McDunnough (1917, 1918) followed Beutenmüller’s taxonomic treatment, differing only in dating *amasia* Esper to 1796. McDunnough (1938, p. 118) later moved *cordelia* to the synonymy of *Catocala connubialis* Guenée, 1852 (p. 105), and it is now widely recognized that *cordelia* and *amasia* were names given to a morph that can be bred from *connubialis* females (and vice versa).

6. Since 1938 *connubialis* Guenée has appeared exclusively as the specific name in the Nearctic *Catocala* literature. The name has been used in the two subsequent descriptions of new forms for the species (Brower, 1940; Muller, 1960) and other taxonomic works on *Catocala* (Gall & Hawks, 1990); a book devoted to *Catocala* (Sargent, 1976); three principal monographs and catalogues treating moths (Forbes, 1954; Hodges, 1983; Poole, 1989); a field guide to moths (Covell, 1984); regional faunistic treatments (Tietz, 1952; Ferguson, 1953; Kimball, 1965; Brower, 1974; Nelson & Loy, 1983); the experimental zoological literature (Sargent, 1974; Sargent & Owen, 1975; Gall, 1991); and throughout numerous shorter reports on *Catocala* distributions and life histories including the annual *Season Summaries* of the Lepidopterists’ Society. Hodges’s (1983) list cites *amasia* (J.E. Smith, 1797), part under the synonymy of *Catocala similis*, but omits *amasia* from the synonymy of *connubialis*, and Poole’s (1989) catalogue fails to mention J.E. Smith’s name. The original edition (Holland, 1903) of the *Moth Book* treated *amasia* Smith as a valid nominal species, and several reprints during the first half of the 20th century retained the old 1903 taxonomy. Hence, the reprinted *Moth Book* fell badly out of step with taxonomic treatments reported in the literature, as was acknowledged in the prefaces and introductions to later volumes. Only in 1968, when Holland’s tome was republished with taxonomic emendations by A.E. Brower, was the name *connubialis* Guenée finally substituted for *amasia* Smith. Nevertheless, it is clear that the *Moth Book* reprints had no significant impact on the already long accepted usage of the name *connubialis*.

7. As outlined above, the name *amasia* Smith, 1797 has since the works of Beutenmüller (1907) and Barnes & McDunnough (1917, 1918) been erroneously treated as a junior, rather than senior, secondary homonym of *amasia* Esper in the genus *Catocala*. To reintroduce *amasia* Smith as a senior synonym of *connubialis* Guenée, 1852 would upset long-standing nomenclatural usage.

8. The International Commission on Zoological Nomenclature is accordingly asked:

1. to use its plenary powers to suppress the specific name *amasia* Smith, 1797, as published in the binomen *Phalaena amasia*, for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;
(2) to place on the Official List of Specific Names in Zoology the name *connubialis* Guenée, 1852, as published in the binomen *Catocala connubialis*;

(3) to place on the Official Index of Rejected and Invalid Specific Names in Zoology the name *amasia* Smith, 1797, as published in the binomen *Phalaena amasia* and as suppressed in (1) above.

References


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Case 2793

METOPIINAE Foerster, 1868 (Insecta, Hymenoptera), METOPIINI Raffray, 1904 (Insecta, Coleoptera), and METOPIINI Townsend, 1908 (Insecta, Diptera): proposed removal of homonymy

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Abstract. The purpose of this application is to avoid homonymous family-group names in three orders of Insecta. It is proposed that the complete generic names of Metopias Gory, 1832 and Metopia Meigen, 1803 be adopted as the stems for the corresponding family-group names, giving MEtopiasini Raffray, 1904 (Coleoptera) and METopini Townsend, 1908 (Diptera). The subfamily name METopinae Foerster, 1868 (Hymenoptera) based on Metopius Panzer, 1806 would remain unchanged.

1. Family-group names based on the stem METOP-
   are in use in three orders of Insecta: METOPiinae Foerster, 1868 (Hymenoptera, Ichneumonidae), METOPiini Raffray, 1904 (Coleoptera, Pselaphidae) and METOPiini Townsend, 1908 (Diptera, Sarcophagidae). All three names are cited by Handlirsch (1925, p. 578 (Coleoptera), p. 738 (Hymenoptera), p. 1025 (Diptera)), but the homonymy has never been confronted. The three names are based on non-homonymous generic names having identical stems. In accordance with Article 55b of the Code this case is referred to the Commission.

2. The name ‘Metopioiidae’ was first used by Foerster (1868, pp. 142, 159) for a family of ichneumons, based on Metopius Panzer, 1806 (p. 78). This name is in general use as the subfamily METOPiinae. Some recent uses in major works are: Townes & Townes (1959, p. 3), Townes (1971, p. 89), Fitton & Gauld (1976, p. 254), Krombein et al. (1979, p. 547) and Fitton (1984, p. 353). The METOPiinae are a world-wide group of over 500 species, all parasitic on Lepidoptera (Townes & Townes, 1959; Fitton, 1984). The type species of Metopius, Sphex vespidoides Scopoli, 1763 (p. 296), was designated by Viereck (1912, p. 176).

3. The name METOPiini Raffray (1904, p. 106), based on Metopias Gory, 1832 (pl. 42; type species by monotypy Metopias curculionoides Gory, 1832), was proposed for a tribe of Pselaphidae (Coleoptera). This name has been in general use, including the following works: Raffray (1908, p. 186; 1911, p. 76), Park (1942, p. 204; 1951, pp. 61, 62; 1952, pp. 13, 14). Comellini (1983, p. 437) and Newton & Chandler (1989, p. 41). Jeannel (1949, p. 42; 1955, p. 8) used the spelling METOPISiini without explanation, attributing the name to Raffray. Metopias has been used from the start as masculine.
As a masculine Greek noun ending in -as it has the stem metopi- (Code, p. 209, Appendix D) so Jeannel’s spelling is incorrect, although we recommend its adoption (see below). The metopiini Raffray are a small Neotropical group of about 40 species of no known economic importance.

4. The name metopiini was proposed by Townsend (1908, p. 64) for a tribe of Diptera, implicitly based on Metopia Meigen, 1803 (p. 280). This name has been commonly used for a tribe of sarcophagidae, subfamily miltogrimnatinae, for instance by Rohdendorf (1935, p. 95; 1967, p. 66), Lopes et al. (1977, p. 560), Verves (1986, p. 88; 1989, p. 117) and Lopes (1989, p. 723), although other authors have avoided any subdivisions of the miltogrammatinae (e.g. Downes, 1965, p. 936; Shewell, 1987, p. 1185 and Pape 1987, p. 27). The sarcophagid metopiini are widespread in all zoogeographical regions but with greatest diversity in the Palearctic. The biology of the more than 100 species is poorly known, but several are kleptoparasites in nests of sphexid wasps and solitary bees (Ferrar, 1987). The type species of Metopia is by monotypy Musca leucocephala ‘Panz’ (i.e. Rossi, 1790, p. 306), a senior subjective synonym of Tachina argyrocephala Meigen, 1824 (p. 372; see Stein, 1900, p. 132) but a junior primary homonym of Musca leucocephala de Villers, 1789. Brauer (1893, p. 503) invalidly gave T. argyrocephala as the type species.

5. Of the three homonymous family-group names discussed above, metopiinae Foerster, 1868 in the Hymenoptera is the oldest, has been in the most widespread use, and applies to the largest and most highly-ranked group. It therefore seems advisable to allow this name to stand as valid.

6. Metopiini Raffray, 1904 in the Coleoptera is also in general use and has no available synonyms (Newton & Chandler, 1989). In our opinion the best course would be to emend the stem of the type genus to remove the homonymy with metopiinae Foerster and establish a family-group name recognizably based on Metopias.

7. Metopiini Townsend, 1908 in the Diptera has been divided into several subtribes (Rohdendorf, 1967, p. 66; Verves, 1989, p. 177); the next oldest name among these could be used as a replacement tribal name. If, in accordance with Verves’s (1989) concept, a subtribe is recognized with only Metopia included, it would still need a name. In our opinion, the best course again would be to emend the stem of the type genus to remove the homonymy with metopiinae Foerster and establish a family-group name clearly based on Metopia.

8. The International Commission on Zoological Nomenclature is accordingly asked:

1) to use its plenary powers:
(a) to rule that for the purposes of Article 29 the stem of the generic name Metopia Meigen, 1803 is metopia-;
(b) to rule that for the purposes of Article 29 the stem of the generic name Metopias Gory, 1832 is metopias-;

2) to place the following names on the Official List of Generic Names in Zoology:
(a) Metopia Meigen, 1803 (gender: feminine), type species by monotypy Musca leucocephala Rossi, 1790 (a senior subjective synonym of Tachina argyrocephala Meigen, 1824 but a junior primary homonym of Musca leucocephala de Villers, 1789);
(b) Metopias Gory, 1832 (gender: masculine), type species by monotypy Metopias curculionoides Gory, 1832;
(c) *Metopius* Panzer, 1806 (gender: masculine), type species by subsequent designation by Viereck (1912) *Sphex vespoides* Scopoli, 1763;

(3) to place the following names on the Official List of Specific Names in Zoology:
(a) *argyrocephala* Meigen, 1824, as published in the binomen *Tachina argyrocephala* (valid subjective synonym of the specific name of *Musca leucocephala* Rossi, 1790, the type species of *Metopia* Meigen, 1803);
(b) *curculionoides* Gory, 1832, as published in the binomen *Metopias curculionoides* (specific name of the type species of *Metopias Gory*, 1832);
(c) *vespoides* Scopoli, 1763, as published in the binomen *Sphex vespoides* (specific name of the type species of *Metopius Panzer*, 1806);

(4) to place the following names on the Official List of Family-Group Names in Zoology:
(a) *METOPiAINI* Townsend, 1908, type genus *Metopia* Meigen, 1803 (spelling emended in (1)(a) above) (Insecta, Diptera);
(b) *METOPiASiNi* Raffray, 1904, type genus *Metopias Gory*, 1832 (spelling emended in (1)(b) above) (Insecta, Coleoptera);
(c) *METOPiAiNi* Foerster, 1868, type genus *Metopius Panzer*, 1806 (Insecta, Hymenoptera);

(5) to place the following names on the Official Index of Rejected and Invalid Family-Group Names in Zoology:
(a) *METOPiINi* Townsend, 1908 (spelling emended to *METOPiAINI* in (1)(a) above);
(b) *METOPiINi* Raffray, 1904 (spelling emended to *METOPiASiNi* in (1)(b) above).

Acknowledgement
We thank Dr C.W. Sabrosky for providing helpful discussion and references regarding usage of *METOPiINi* in Diptera, and for establishing communication between M.K.T./A.F.N. and T.P.

References


Case 2812

*Acamptopoeum* Cockerell, 1905 (Insecta, Hymenoptera): proposed designation of *Camptopoeum submetallicum* Spinola, 1851 as the type species

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Abstract. The purpose of this application is to designate *Camptopoeum submetallicum* Spinola, 1851 as the type species of the South American panurigine bee genus *Acamptopoeum* Cockerell, 1905 in accordance with current usage. The original designation was based on a misidentified type species.

1. Cockerell (1905, p. 320) established the nominal genus *Acamptopoeum* and included a single nominal species, *Camptopoeum trifasciatum* Spinola, 1851 (p. 197), which he designated as the type species. However, Cockerell's characterization of *C. trifasciatum* does not match the original one given by Spinola but that of the female of *Camptopoeum submetallicum* Spinola, 1851 (p. 198). Both Cockerell for *C. trifasciatum* and Spinola for *C. submetallicum* described the abdomen as having hair bands and bluish metallic color. These characters are quite different from *C. trifasciatum* sensu Spinola, the abdomen of which has yellow integumental bands, no hair bands and is never metallic bluish. It is clear that Cockerell misidentified *C. trifasciatum* and that the species he cited under that name was in fact *C. submetallicum*.

2. Friese (1906, p. 176) established *Liopoeum* as a subgenus of *Camptopoeum* Spinola, 1843 (p. 139); one of the included species was *Camptopoeum hirsutulum* Spinola, 1851 (p. 199) which was designated as type species by Sandhouse (1943, p. 564). Schwarz (1931, p. 78) considered *Liopoeum* to be very different from *Camptopoeum* and treated it as a genus. *C. trifasciatum* and *C. hirsutulum* are congeneric and so material labelled *Liopoeum trifasciatum* can be found in many museums and private collections throughout the United States and South America.

3. Cockerell's misidentification has been widely recognized, and the combination *Acamptopoeum submetallicum* Spinola has been used in many papers such as Moure (1944, p. 5), Herrera & Etcheverry (1960, p. 64), Shinn (1965, p. 279), Rozen (1967, p. 5), Toro (1986, p. 125) and Ruz (1991, p. 221) as well as by museum workers. The purpose of this application to the Commission under Article 70b of the Code is to conserve the use of *Acamptopoeum* by designating *Camptopoeum submetallicum* Spinola (= 'C. trifasciatum' of Cockerell, 1905) as the type species. To retain *Camptopoeum trifasciatum* as the type species of *Acamptopoeum* would contravene current usage and lead to confusion since *Liopoeum* would disappear as a junior subjective synonym of *Acamptopoeum*, and *Parafriesea* Schrottky, 1906 (p. 118) (a replacement name for the junior homonym *Friesea* Schrottky, 1902 (p. 418)) would stand as the generic name for the species now placed in *Acamptopoeum* (see Ruz, 1991, pp. 221–222).
4. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to set aside all previous fixations of type species for the nominal genus *Acamptopoeum* Cockerell, 1905 and to designate *Camptopoeum submetallicum* Spinola, 1851 as the type species;

(2) to place on the Official List of Generic Names in Zoology the name *Acamptopoeum* Cockerell, 1905 (gender: neuter), type species by designation in (1) above *Camptopoeum submetallicum* Spinola, 1851;

(3) to place on the Official List of Specific Names in Zoology the name *submetallicum* Spinola, 1851, as published in the binomen *Camptopoeum submetallicum* (specific name of the type species of *Acamptopoeum* Cockerell, 1905).

References


Case 2792

Cynolebias opalescens Myers, 1942 and Cynolebias splendens Myers, 1942 (Osteichthyes, Cyprinodontiformes): proposed conservation of the specific names

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Abstract. The purpose of this application is to conserve the specific names of two species of killifishes, Cynolebias opalescens Myers, 1942 and C. splendens Myers, 1942, which are the subjects of governmental and international conservation agency protection. The names are threatened by long unused senior subjective synonyms that have been resurrected recently.

1. Faria & Muller (1937) described two species of killifishes (family RIVULIDAE) from south-eastern Brazil using the names Cynopoecilus fluminensis (p. 99) and Gynopoecilus [sic, an apparent typographical error for Cynopoecilus] sandrii (p. 98, fig. 1). The paper in which these species were described was in a nautical journal and was not picked up by the Zoological Record. The names apparently (see Costa & Lacerda, 1988) had not been used in any scientific literature until Lacerda (1987) commented on the distributional status of these species (using the widely accepted senior generic synonym Cynolebias), noted that the names were senior subjective synonyms of C. opalescens and C. splendens respectively, both of Myers (1942), and adopted the earlier synonyms. Costa & Lacerda (1988) also adopted the senior synonyms in their redescriptions of the two species.

2. In 1942, Myers described Cynolebias opalescens (p. 107) and C. splendens (p. 110). Lazara (1984) listed nine literature citations for each of these names, during the period 1942 to 1982 (exclusive of those cited in para. 3), including both scientific and aquarist literature.

3. In 1975 Cynolebias opalescens and C. splendens were included in the initial record of Appendix II of the Convention on International Trade in Endangered Species of Wild Flora and Fauna (CITES) and those names have been maintained on the CITES list to date. The Association of Systematic Collections list these names in its summary of (United States) federally controlled wildlife (Estes & Sessions, 1983). The International Union for the Conservation of Nature and Natural Resources (IUCN) included both species in its Red Data Book (Miller, 1969) and continue to recognize these species by Myers’s (1942) names in its revised Red Data Book (Miller, 1977) and the Red List of Threatened Animals (IUCN, 1988) as endangered species.

4. Efforts to regulate international trade, or in situ conservation, of these species depend, in part, on stable nomenclature. At present, specimens of these species presumably could be exported into CITES member nations, without permit, under their recently resurrected senior synonyms.
5. As the two species under discussion have been accorded protection by both governmental and international conservation agencies under the names Cynolebias opalescens and C. splendens, and as the specific names sandrii and fluminensis were unused for a period of 50 years from the time the names were first proposed, during which period the junior synonyms were used in a variety of scientific and aquarist publications, resurrection of the senior synonyms would cause unnecessary and preventable confusion for persons outside the community of zoological systematists.

6. The International Commission of Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to suppress the following specific names for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:

(a) fluminensis Faria & Muller, 1937, as published in the binomen Cynopoecilus fluminensis;
(b) sandrii Faria & Muller, 1937, as published in the binomen Gynopoecilus (= Cynopoecilus) sandrii;

(2) to place on the Official List of Specific Names in Zoology the following names:

(a) opalescens Myers, 1942, as published in the binomen Cynolebias opalescens;
(b) splendens Myers, 1942, as published in the binomen Cynolebias splendens;

(3) to place on the Official Index ofRejected and Invalid Specific Names in Zoology the following names:

(a) fluminensis Faria & Muller, 1937, as published in the binomen Cynopoecilus fluminensis and as suppressed in (1)(a) above;
(b) sandrii Faria & Muller, 1937, as published in the binomen Gynopoecilus (= Cynopoecilus) sandrii and as suppressed in (1)(b) above.

References


Case 2601

Filimanus Myers, 1936 (Osteichthyes, Perciformes): proposed designation of Filimanus perplexa Feltes, 1991 as the type species

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Abstract. The purpose of this application is the designation of Filimanus perplexa Feltes, 1991 as the type species of the polynemid genus Filimanus Myers, 1936. This is the taxonomic species misidentified by Myers as Polynemus melanochir Valenciennes, 1831; retention of the latter nominal species as its type would render Filimanus a junior subjective synonym of Polynemus Linnaeus, 1758, and a new generic name would be required for species currently placed in Filimanus.

1. Myers (1936, p. 379) established the genus Filimanus (family Polynemidae, the threadfins) with a diagnosis based on a single specimen (USNM 72742) in the U.S. National Museum of Natural History, Washington. He identified the specimen as being Polynemus melanochir Valenciennes, 1831 (p. 513), and this nominal species is thus the type of Filimanus by monotypy. The description by Valenciennes is brief but the characters and comparisons used in his account are diagnostic. The original description was based on a drawing sent by Major Finlayson from Sumatra. Examination of this drawing in the Bibliothèque Centrale, Muséum National d’Histoire Naturelle, Paris, has made it quite clear to which taxonomic species Valenciennes applied the name P. melanochir. The specimen used by Myers in his description of Filimanus was misidentified and belongs to a then undescribed species (see para. 4). The case is referred to the Commission under Article 70b of the Code.

2. The use of the generic name Polynemus Linnaeus, 1758 (p. 317) has been quite inconsistent and often non-monophyletic (see Myers, 1936; Feltes, 1991). Myers’s perception of the species before him as a separate genus is entirely reasonable, as I have discussed (Feltes, 1991, pp. 304–305).

3. Polynemus melanochir Valenciennes, 1831 is a valid species. My unpublished studies show it is probably a sister taxon to P. paradiseus Linnaeus, 1758 (p. 317) which was designated as the type species of Polynemus in Opinion 93 (October 1926), and is certainly congeneric. If P. melanochir were retained as the type species of Filimanus, regardless of misidentification, it would be necessary to provide a new generic name for the specimen examined by Myers, as well as other species (Feltes, 1991). This would not only add another name to the literature, but contribute to the already confused state of Polynemus by adding Filimanus to its synonymy. The name Filimanus has been used as valid in the following representative publications: De Sylva (1984, p. 540), Glorfeld-Tarp & Kailola (1984, pp. 231, 347), Nelson (1984, p. 325) and Eschmeyer (1990, p. 151). I have a forthcoming paper (Feltes, 1993, in press) that includes a discussion of Filimanus.
4. In a revision of *Filimanus I* redescribed the species misidentified by Myers (and others) as *P. melanochir*, and gave it the name *Filimanus perplexa* Feltes, 1991 (p. 307). The holotype, from Bali, is specimen BMNH 1988.4.6.1. in the Natural History Museum, London, and the specimen (USNM 72742) from Java used by Myers (1936) is a paratype.

5. The International Commission on Zoological Nomenclature is accordingly asked:

1. to use its plenary powers to set aside all previous fixations of type species for the nominal genus *Filimanus* Myers, 1936, and to designate *Filimanus perplexa* Feltes, 1991 as the type species;
2. to place on the Official List of Generic Names in Zoology the name *Filimanus* Myers, 1936 (gender: feminine), type species by designation in (1) above *Filimanus perplexa* Feltes, 1991;
3. to place on the Official List of Specific Names in Zoology the name *perplexa* Feltes, 1991, as published in the binomen *Filimanus perplexa* (specific name of the type species of *Filimanus* Myers, 1936).

References


Case 2821

*Rana megapoda* Taylor, 1942 (Amphibia, Anura): proposed conservation of the specific name

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Abstract. The purpose of this application is to conserve the specific name of the well known ranid *Rana megapoda* Taylor, 1942, which is a large frog found in south-central Mexico, by the suppression of the unrecognized senior subjective synonym *Rana trilobata* Mocquard, 1899.

1. Taylor (1942, p. 310) described *Rana megapoda*, a large frog confined to south-central Mexico. Without exception this frog has been referred to by the specific name *megapoda* which, however, is antedated by a previously unrecognized synonym. It would be most unfortunate to allow *R. megapoda* to be changed after its unchallenged use since the original description in 1942.

2. The previously unrecognized senior name is *R. trilobata* Mocquard, 1899 (p. 158). Hillis, Frost & Frost (1983, p. 73) recounted the history of the name *R. trilobata*, long referred to the *Rana pipiens* complex of leopard frogs (in which *trilobata* had been regarded as a subspecies of *Rana berlandieri* Baird, 1859), and reallocated *R. trilobata* to the synonymy of *Rana sinaloae* Zweifel, 1954 (p. 131); *Rana sinaloae* is a junior synonym of *Rana pustulosa* Boulenger, 1883 (p. 343), as I have reported (Webb, 1984, p. 237). I (Webb, 1991, p. 13) have examined the holotype of *R. trilobata* (specimen no. 97–189 in the Muséum National d’Histoire Naturelle, Paris) from Guadalajara, Mexico, and have demonstrated it to be a specimen of *R. megapoda* and thus incorrectly allocated to the synonymy of *R. sinaloae* (= *R. pustulosa*)

3. *Rana trilobata* Mocquard, 1899 has remained unused as a senior synonym of *R. megapoda* Taylor, 1942, the name having been associated with other species of ranid frogs. *Rana megapoda* is firmly entrenched in the primary Zoological literature (see, for example, Hillis, Frost & Wright, 1983, p. 134 and Smith & Taylor, 1948, p. 100). A representative list of a further nine references demonstrating usage of the name is held by the Commission Secretariat. It is in the interest of nomenclatural stability to retain the name in its usage of the past 50 years.

4. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to suppress the specific name *trilobata* Mocquard, 1899, as published in the binomen *Rana trilobata*, for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;

(2) to place on the Official List of Specific Names in Zoology the name *megapoda* Taylor, 1942, as published in the binomen *Rana megapoda*;
to place on the Official Index of Rejected and Invalid Specific Names in Zoology the name *trilobata* Mocquard, 1899, as published in the binomen *Rana trilobata*, and as suppressed in (1) above.

References


Case 2382

_Megophrys montana_ Kuhl & van Hasselt, 1822 (Amphibia, Anura): proposed placement of both the generic and specific names on Official Lists, and _Leptobrachium parvum_ Boulenger, 1893 (currently _Megophrys parva_): proposed conservation of the specific name

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**Abstract.** The purpose of this application is to place the name _Megophrys_ Kuhl & van Hasselt, 1822 and the valid name of its type species, _M. montana_ Kuhl & van Hasselt, 1822, on the appropriate Official Lists, and to conserve the specific name of _M. parva_ (Boulenger, 1893). The last name is threatened by the unused senior subjective synonym _Xenophrys monticola_ Günther, 1864, for which suppression is proposed. The genus _Megophrys_ (family _Pelobatidae_ Bonaparte, 1850, subfamily _Megophryinae_ Bonaparte, 1850) includes over 20 species from southern, eastern and southeastern Asia.

1. The generic name _Megophrys_ Kuhl & van Hasselt, 1822 (ref. 1822a) was established for a single species from Java. In the description the species was mentioned twice, under two different spellings (see para. 5 below): _montana_ (p. 102) and _monticola_ (p. 104). In an 1822 summary of the work (Kuhl & van Hasselt, 1822b, col. 475) only the spelling _monticola_ appeared, whilst in subsequent French translations from the original Dutch (Kuhl, 1824a, p. 83; Kuhl, 1824b, p. 371) _montana_ was used. Gravenhorst (1829, p. 47), acting as first reviser, adopted _montana_ and for a little more than a century this was universally used as the valid name (see, for example, Tschudi, 1838, p. 82; Duméril & Bibron, 1841, p. 458; Günther, 1858, pp. 36–37; Günther, 1864, p. 413; Gadow, 1901, p. 60; van Kampen, 1923, p. 8; Noble, 1927, p. 75; further authors are cited in Dubois, 1982, p. 265).

2. Smith (1931, p. 12), however, considered that the spelling _monticola_ should be adopted, and noted: ‘I can see no reason for rejecting _monticola_ as the correct name of the species usually known as _montana_’. The name _monticola_ was used subsequently by a number of authors (see Inger, 1954, p. 222; Inger, 1966, p. 19, 39–41; Berry, 1975, pp. 5, 39), although others (Bourret, 1942, p. 190) continued to use _montana_. In 1982 I (Dubois, 1982, pp. 263, 269) pointed out that _montana_ was the valid spelling and this has been followed by recent authors (Frost., 1985, pp. 413, 415; Duellman & Trueb, 1986, p. 523, fig. 19.31). I now propose that the name _Megophrys_ Kuhl & van Hasselt, 1822, and the name of its type species, _M. montana_ Kuhl & van Hasselt, 1822, be placed on the appropriate Official Lists. Four syntype specimens of _M. montana_, numbered RMNH 2212, are in the Nationaal Natuurhistorisch Museum, Leiden, The Netherlands.

3. Kuhl & van Hasselt’s (1822) generic name appeared with two different spellings: _Megophrys_ (p. 102) and _Megophry_ (p. 104). The former spelling was clearly a typographical error; it was not used by the original authors in subsequent publications.
nor by anyone else since. In 1940 Neave (pp. 81, 198) listed both names and recorded *Megophrys* as valid. Following Wagler’s (1830) unjustified emendation, the name *Megophrys* remained in use for many years, until the work of Stejneger (1926) reintroduced *Megophrys*.

4. Günther (1864, p. 414, pl. 26, fig. H) established the generic name *Xenophrys* for a single new species, *X. monticola*, from Sikkim and the Khasi Hills. Boulenger (1893, pp. 311, 343) placed *monticola* Günther in *Leptobrachium* Tschudi, 1838 and (p. 344, pl. 11, figs. 2, 2a) described a species *L. parvum*, based on five specimens from the Karin Hills, Upper Burma. Subsequently, he (Boulenger, 1908, pp. 408, 419) considered *monticola* Günther and *parvum* to be synonyms; he transferred the species to the genus *Megophrys* Wagler, 1830 (p. 204; an unjustified emendation of *Megophrys* Kuhl & van Hasselt, 1822; see para. 3 above) and adopted the junior name *parva*. This was to avoid confusion with *monticola* Kuhl & van Hasselt, 1822 (although for the latter Boulenger (pp. 408, 410, 411) used the name *montana*), and he noted (p. 420, footnote): ‘The specific name of [Xenophrys monticola Günther] must be changed, as being pre-occupied in the genus *Megophrys*’. Following Boulenger (1908), the specific name *monticola* Günther, 1864 has not been used, whilst *parva* Boulenger, 1893 has been universally adopted (see, for example, Nieden, 1923, p. 57; Noble, 1927, p. 75; Bouret, 1942, pp. 203–204; Taylor, 1962, pp. 266, 299–302; Gorham, 1966, p. 21; Inger, 1966, p. 19; Waltner, 1973, p. 22; Dubois, 1974, p. 353; Gorham, 1974, p. 43; Dubois, 1976, p. 12; Frost, 1985, p. 416; a representative list of a further 11 references demonstrating usage is held by the Commission Secretariat). Capocaccia (1957, p. 211) designated a male specimen, no. MSNG 29412 in the Museo Civico di Storia Naturale di Genova, as the lectotype of *Leptobrachium parvum*. *Xenophrys* has not been used as a valid name since Boulenger’s (1908) work.

5. Resurrection of the name *monticola* Günther, 1864 would be most unfortunate since, although *monticola* Kuhl & van Hasselt, 1822 is not a valid name, it has been used in the past. Kuhl & van Hasselt’s names *montana* and *monticola* (which have the same meaning) have been considered as being different spellings of the same name (Dubois, 1982, p. 264, footnote; 1989, p. 97). Following Gravenhorst’s (1829) first reviser action, *monticola* Kuhl & van Hasselt becomes an unavailable incorrect original spelling (Articles 24c, 32b(i) and 32d of the Code), and *monticola* Günther the valid specific name for the taxon currently called *Leptobrachium parvum*. If *montana* and *monticola* Kuhl & van Hasselt were to be treated as different names, rather than spellings, for the species, Gravenhorst’s action would render *monticola* an invalid (but available) junior objective synonym of *montana; monticola* Günther would be (following Boulenger’s 1908 generic placement) a permanently invalid secondary homonym (Article 59b), replaced by *parvum* (following Boulenger’s synonymy) without the need for Commission intervention. To remove doubt I now propose that the name *monticola* Günther be suppressed, and that the Commission confirm the status of *monticola* Kuhl & van Hasselt as an incorrect original spelling.

6. The International Commission on Zoological Nomenclature is accordingly asked:

   (1) to use its plenary powers:

   (a) to suppress the specific name *monticola* Günther, 1864, as published in the binomen *Xenophrys monticola* for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;
(b) to rule that the name *monticola* Kuhl & van Hasselt, 1822, as published in the binomen *Megophrys monticola*, is an incorrect original spelling of *Megophrys montana* Kuhl & van Hasselt, 1822;

(2) to place on the Official List of Generic Names in Zoology the name *Megophrys* Kuhl & van Hasselt, 1822 (gender: feminine), type species by monotypy *Megophrys montana* Kuhl & van Hasselt, 1822;

(3) to place on the Official List of Specific Names in Zoology the following names:

(a) *montana* Kuhl & van Hasselt, 1822, as published in the binomen *Megophrys [sic] montana* (specific name of the type species of *Megophrys* Kuhl & van Hasselt, 1822);

(b) *parvum* Boulenger, 1893, as published in the binomen *Leptobrachium parvum* and as defined by the lectotype designated by Capocaccia (1957);

(4) to place on the Official Index of Rejected and Invalid Generic Names in Zoology the name *Megalophrys* Wagler, 1830 (an unjustified emendation of *Megophrys* Kuhl & van Hasselt, 1822);

(5) to place on the Official Index of Rejected and Invalid Specific Names in Zoology the following names:

(a) *monticola* Günther, 1864, as published in the binomen *Xenophrys monticola* and as suppressed in (1)(a) above;

(b) *monticola* Kuhl & van Hasselt, 1822, as published in the binomen *Megophrys montica* (an incorrect original spelling of *montana* Kuhl & van Hasselt, 1822).

References


Case 2802

*Anisolepis grilli* Boulenger, 1891 (Reptilia, Squamata): proposed conservation of the specific name

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**Abstract.** Two species of the lizard genus *Anisolepis* Boulenger, 1885 (family Polychridae) occur in southeastern Brazil, Uruguay and northern Argentina. In this century they have been referred to as *A. undulatus* (Wiegmann, 1834) and *A. grilli* Boulenger, 1891. The purpose of this application is to conserve the specific name *grilli* for the species which occurs in Brazil and Misiones Provinces, Argentina. The name is threatened by two senior subjective synonyms, *Laemanctus fitzingeri* and *L. obtusirostris*, both of Wiegmann (1834).

1. Wiegmann (1834, p. 45) described the genus *Laemanctus* and included four new nominal species. Brief descriptions were provided (p. 46) for three Brazilian species, *fitzingeri*, *obtusirostris* and *undulatus*, and a lengthy description for a Mexican species, *longipes*. Duméril & Bibron (1837, pp. 72–76) repeated the descriptions of *fitzingeri*, *obtusirostris* and *undulatus*. Fitzinger (1843, p. 16) designated *longipes* as the type species of *Laemanctus*.

2. Wiegmann’s nominal species *fitzingeri*, *obtusirostris* and *undulatus* have been placed in a number of genera: by Fitzinger (1843, p. 62) in *Urostrophus* Duméril & Bibron, 1837 (type species *U. vautieri* Duméril & Bibron, 1837); by Gray (1845, pp. 184–185) in *Echymotes* Fitzinger, 1826 (type species *Polychrus acutirostris* Spix, 1825); and by Boulenger (1885b, p. 121) in *Enyalius* Wagler, 1830 (type species *Agama catenata* Wied-Neuwied, 1821). Gray (1845) based his descriptions of the three species entirely on those of Wiegmann (1834); his work is the last in which the name *obtusirostris* was used as valid. Boulenger (1885b) included the latter as a synonym of *undulatus*.

3. Boulenger (1885a, p. 85) established the new genus *Anisolepis* with the single species *iheringii*, based on two female specimens in the Natural History Museum, London (catalogue nos. 1946.8.5.90–91, formerly 85.6.26.4–5). *A. iheringii* is therefore the type species of the genus by monotypy. Later that year Boulenger (1885b, p. 122, pl. 9, fig. 3) repeated the description and figured *A. iheringii*. In the ‘Addenda and Corrigenda’ (1887, pp. 500–501) the species *undulatus* was transferred to *Anisolepis* and *iheringii* was placed in its synonymy; *undulatus* has since been treated as the valid name of the type species of *Anisolepis*. In 1891 (p. 909) Boulenger described *A. grilli* from
Palmeira, Brazil. Peters & Donoso-Barros (1970, p. 42) subsequently synonymized the nominal species \textit{A. lionotus} Werner, 1897 (p. 470) from Blumenau, Brazil, with \textit{grilli}. Both \textit{undulatus} Wiegmann, 1834 and \textit{grilli} Boulenger, 1891 are regarded as the valid names for the Brazilian species of \textit{Anisolepis} and are not considered to be synonymous with the names of the type species of any of the genera mentioned in para. 2 above.

4. One of us (Etheridge, 1969, p. 239) briefly examined the holotypes of \textit{Laemanctus fitzingeri}, \textit{obtusirostris} and \textit{undulatus} in the Museum für Naturkunde der Humboldt-Universität, Berlin (catalogue nos. 495, 496 and 497 respectively), and considered them to be one species, currently known as \textit{Anisolepis undulatus}. Etheridge also pointed out that it was clear from Boulenger’s (1885b, p. 121) characterization of \textit{Enyalius fitzingeri}, as well as from an examination of his specimens, that the species known as \textit{fitzingeri} since Boulenger’s work is actually \textit{Enyalius bilineatus} Duméril & Bibron, 1837 (see, for example, Burt & Burt, 1933, p. 23 and Amaral, 1937, pp. 176, iv, in which the name \textit{fitzingeri} has been misused in the sense of \textit{bilineatus}). We have both (Etheridge & Williams, 1991, p. 332) since re-examined the holotypes of \textit{fitzingeri}, \textit{obtusirostris} and \textit{undulatus} and compared them with one of the two syntypes of \textit{Anisolepis grilli} (catalogue no. 1946.8.5.58 (formerly 91.9.24.10) in the Natural History Museum, London; the second syntype, no. 1946.8.12.38 (formerly 91.11.19.27) is a skeletal preparation). We found that, contrary to Etheridge (1969), the types of \textit{fitzingeri} and \textit{obtusirostris} are conspecific with \textit{grilli}, and not with \textit{undulatus}. We published descriptions of the two Brazilian species of \textit{Anisolepis}, together with a diagnostic key (1991, p. 351).

5. The name \textit{Anisolepis grilli} Boulenger, 1891 has been widely cited in works on genetics, biology and ecology, as well as taxonomy, and has appeared in the following representative list of recent publications: Gorman, Atkins & Holzinger, 1967, pp. 283, 209 and Gorman, 1973, p. 373 (chromosome number); Maderson, 1970, p. 197 (digital scale structure); Peters & Donoso-Barros, 1970, p. 42 (synonymy; distribution and key); Soma, Bečak & Bečak, 1974a, p. 227 (karyotype and DNA content); Soma, Bečak & Bečak, 1974b, p. 1325 (DNA content); Gallardo, 1977, p. 125 (behavior and comparison with \textit{undulatus}); Rand, 1982, pp. 173–174 (body size and egg clutch size); Vanzolini, 1983, p. 127 (sympathy with \textit{Polychrus acutirostris}); Olmo, 1984, p. 22 (genome size); Etheridge & de Queiroz, 1988, p. 305 (digital lamellar scales); Etheridge & Williams, 1991 (morphology, taxonomy, distribution and relationships). The name \textit{obtusirostris} Wiegmann, 1834 has not been used for more than 150 years (see para. 2 above), and \textit{fitzingeri} Wiegmann, 1834 has been misused for another species (see para. 4 above). To resurrect either of these names for the taxon currently called \textit{grilli} would cause confusion and seriously threaten nomenclatural stability. We have previously recorded our intention to apply to the Commission for the suppression of the names \textit{fitzingeri} and \textit{obtusirostris} (Etheridge & Williams, 1991, p. 332, footnote).

6. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to suppress the following specific names for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:

(a) \textit{fitzingeri} Wiegmann, 1834, as published in the binomen \textit{Laemanctus fitzingeri};

(b) \textit{obtusirostris} Wiegmann, 1834, as published in the binomen \textit{Laemanctus obtusirostris};
(2) to place on the Official List of Specific Names in Zoology the name *grilli* Boulenger, 1891, as published in the binomen *Anisolepis grilli*;

(3) to place on the Official Index of Rejected and Invalid Specific Names in Zoology the following names:

(a) *fitzingeri* Wiegmann, 1834, as published in the binomen *Laemanctus fitzingeri* and as suppressed in (1)(a) above;

(b) *obtusirostris* Wiegmann, 1834, as published in the binomen *Laemanctus obtusirostris* and as suppressed in (1)(b) above.

References


Comment on the proposed confirmation of unavailability of the name *Fusus* Helbling, 1779 (Mollusca, Gastropoda)

(Case 2729; see BZN 48: 92–96, 244–246; 49: 68–70)

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We wish to reply to published comments opposing our application for the rejection of *Fusus* Helbling, 1779.

Holthuis (BZN 48: 244–245) comments that all our arguments are based on speculations about Helbling's concepts and also quoted Hemming's statement about '... intermediate terms identical in character with those which it is now asked should be rejected...'. If terms which are 'identical in character' can be recognized, why cannot a term not even 'identical in character' be more easily recognized?

Vokes (BZN 48: 245–246) attempts to discredit our application by reference to Commission action suppressing *Xancus* [Röding], 1798 in favor of the later *Turbinella* Lamarck, 1799, an action opposed by all malacologists who wrote a comment. However, Vokes quoted Keen's 1957 statement about the 'supposedly firm ground of priority'. It is this firm ground that we are seeking in this application.

Vokes also made the statement that 'every relevant work published in the last 60 years has used *Fusinus...*', ignoring references in paragraphs 14 and 15 of our application.

We particularly object to the statement made by Beu, Marshall & Ponder (BZN 49: 68–70) that since 1906 '... the usage of *Fusinus* in this sense has become the normal, thoroughly accepted practice by 100% of malacologists and palaeontologists'. This is contrary to references given in paragraphs 14 and 15 of the application and additional usages of *Fusus* Bruguière, 1789 as a valid name can be easily located. A search of only a few minutes located such usage by Nicklès (1950), Knudsen (1956), Pasteur-Humbert (1962), Barnard (1959, 1969), Ondrejičková (1972) and Kensley (1973). A thorough search of the literature would certainly uncover more usages of *Fusus* Bruguière.

It is our opinion that the only objection to this application with any validity is that it will upset 'stability'. The genus typified by the species *Fusus* (or *Fusinus*) *colus* (Linnaeus, 1758) has not been critically monographed, or even studied in depth, in recent years and it is a matter of conjecture at this point as to how many species will remain in the genus after a taxonomic revision.

Additional references


Comments on the proposal to remove the homonymy between CLAVIDAE McCrady, 1859 (Cnidaria, Hydrozoa) and CLAVINAE Casey, 1904 (Mollusca, Gastropoda) (Case 2710; see BZN 48: 192–195; 49: 144–145)

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I am unable to agree on the need for the proposals of Cernohorsky, Cornelius & Sysoev concerning the mollusk subfamily name.

The issue at stake is the maintenance of nomenclatural stability and the authors contend that their proposed action will achieve this. Applications of this nature usually involve the conservation of a name as it has been used but their proposal introduces a new spelling, CLAVUSINAe.

I understand the desire to preserve the Powell (1942) system of subfamily classification in the TURRIDAE and how that might seem to be related to nomenclatural stability, but it is my belief that the proposals will neither preserve nor improve stability. If the authors believe that Clavus de Montfort, 1810 cannot be contained in the DRILLINAe then they should define the characters that separate CLAVINAE (or CLAVUSINAe) from Olsson’s 1964 (and Morrison’s 1965, p. 2) DRILLINAe. I myself do not believe that nomenclatural stability exists in the TURRIDAE at the subfamily level. Every author who has considered a subfamily classification has come to a unique conclusion, and not all authors working on genera usually included in the CLAVINAE (or DRILLINAe) recognize the subfamily as valid; for example, Nordsieck (1968) placed Clavus in the TURRINAe (although in 1977 he changed his mind).

It seems to me that the turrid name CLAVINAE does not need Commission action. Most post-Powell authors who recognize the group do so primarily on the radular morphology. McLean (1971), in particular, defined the CLAVINAE as based on the possession of a prototypic radular type. If, as most authors agree, the prototypic radular state is an ancestral condition then the CLAVINAE (or DRILLINAe) are defined by a plesiomorphic character state. Only apomorphic character states can be used to determine monophyly. Therefore, from a cladistic point of view, the CLAVINAE (or DRILLINAe) is either a paraphyletic or polyphyletic taxon. I can see no benefit from a ruling concerning the name of a taxon that will almost certainly be found to include multiple sister taxa that gave rise to the other subfamilies of the TURRIDAE.

Additional references

We support the proposal of Cernohorsky, Cornelius & Sysoev to remove the homonymy between the family-group names CLAVIDAE McCrady, 1859 (Cnidaria) and CLAVINAE Casey, 1904 (Mollusca) by changing the latter to CLAVUSINAE. Replacement or respelling of the senior homonym, widely used in the literature on hydrozoans for more than a century, would not serve the interests of nomenclatural stability.

Comments on the proposed conservation of some generic names first proposed in Histoire abrégée des insectes qui se trouvent aux environs de Paris (Geoffroy, 1762) (Crustacea, Insecta)

(Case 2292; see BZN 48: 107–134; 49: 71–72, 149–150)

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I have the greatest admiration for the thoroughness and expertise with which Dr Kerzhner treated this case and so has made possible a final decision concerning Geoffroy’s generic names, many of which have been ‘illegally’ used since Geoffroy’s work was rejected for nomenclatural purposes in 1954 (Opinion 228). There are a few points, however, that need some comment.

(i) As stated by Kerzhner and Cameron (BZN 48: 107–108, 133–134), Müller (1764) in the introduction to his Fauna Insectorum Friderichsalina simply listed Geoffroy’s names and their Linnaean equivalents in tabular form. This does not make the Geoffroy names available as from Müller’s 1764 work, since Article 11d(ii) of the Code says that ‘the status of a previously unavailable name is not changed by its mere citation accompanied by a reference to the work in which the name was published but was not made available’.

(ii) I do not feel competent to comment on the insect names in this application, but can do so on the two crustacean ones (see BZN 48: 111–112). It seems likely that among the insect generic names of Geoffroy (1762) there are many that could be used without intervention by the Commission, although with a later authorship and date.

(iii) Asellus Geoffroy, 1762 is unavailable from Geoffroy (1762) under Opinion 228, or from Müller (1764). The first use of Asellus as an available generic name seems to be by Schaeffer (1766) in his Elementa Entomologica, an unpaginated work consisting of four sections and an index. Asellus is given on the 16th page of Section 3 with a number of characters and a reference to plate 22, the explanation of which again gives
characters; the description and figure make *Asellus* available, even though Schaeffer did not use specific names.

(iv) Schluga (1767, p. 46) used both *Asellus* and *Binocular* in a list of the genera of ‘Insecta’, with short diagnoses; as with Schaeffer no specific names were mentioned in the work.

(v) The genus usually cited as *Asellus* Geoffroy, 1762 (or, wrongly, 1764) should be correctly referred to as *Asellus* Schaeffer, 1766 (Section 3, p. [16] and pl. 22), and *Binocular* should be cited as *Binocular* Schluga, 1767 (p. 46). *Binocular* was suppressed in Opinion 502 (January 1958), but the authorship was given as Müller (1776) and this should be changed.

(vi) Summarizing, I propose that the requests in Kerzhner’s para. B.3 on BZN 48: 112 be changed as follows:

1. abandon;
2. (b) amend authorship of *Binocular* Müller, 1776 to Schluga, 1767;
3. amend authorship of *Asellus* Geoffroy, 1762 to Schaeffer, 1766;
4. as for (3);
5. (b) as for (2)(b).

These changes are purely editorial.

(2) Hans Silfverberg

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Dr Kerzhner’s application is very thorough, and he presents good arguments for his solution to the old problem of Geoffroy’s names. His application preserves current use, and is therefore in the spirit of the Code. The procedure I once suggested (1978; *Notulae Entomologicae*, 58: 117–119), that is attributing the names to Müller (1764), may have stretched the Code but did not break it, and did not require Commission action. However, I do not oppose Kerzhner’s proposals except for a detail relating to one particular name.

The exception is *Peltis* (see para. K.22 on BZN 48: 122). As explained by Kerzhner, Geoffroy used it in a sense different from current use and Müller (1776) was the first to include nominal species (including the currently accepted type species *Silpha grossa* Linnaeus, 1758) in the genus. I consider that *Peltis* should be taken from Müller (1776) and not, as suggested by Kerzhner, from Kugelann (1792), who merely further restricted the genus. Kerzhner’s proposals (6)(r) and (9)(k) in para. K.30 should be amended accordingly.

(3) P.K. Tubbs

*Executive Secretary, International Commission on Zoological Nomenclature*

1. As discussed in Dr Kerzhner’s application (BZN 48: 109, para. A.7) Geoffroy’s 1762 *Histoire abrégée...* contained 59 new generic names. If Kerzhner’s proposals and those of Dr Borowiec (BZN 45: 194–196) are approved 40 of Geoffroy’s names will have been conserved, and 14 will have been suppressed to conserve the usage of the same or other names from later authors. In the remaining five cases senior Linnaean synonyms are in use.

2. The Commission attempted to deal with the status of Geoffroy’s generic names in Opinion 228. It was noted in that Opinion that ‘in some cases the rejection of names as
first published by such authors [as Geoffroy] would clearly give rise to great confusion'. The ruling in the Opinion denying availability to many generic names in established use which were published in Geoffroy's work, on the ground that he had used polynomial specific names, has proved to be unfortunate. The decision was approved at a meeting in July 1948, and in the Proceedings and again in 1952 (BZN 7: 198–199) ‘specialists’ were invited to apply for the conservation of appropriate Geoffroy names. Despite the receipt of several applications [all later agreed] the Opinion was published in April 1954. It will have taken four decades and immense efforts by numerous authors, and by the Commission and its Secretariat, to remedy the never intended consequences. So far less than half of the names have been finally dealt with. If Dr Kerzhner’s application is not successful the ‘illegal’ nomenclature referred to by Kerzhner and Holthuis will continue. I earnestly recommend acceptance of the application, with some amendments as discussed below.

3. Sixteen Geoffroy names have already been conserved in nine separate Opinions, and Kerzhner has proposed the conservation of 24 more (including two at present attributed to later authors). In every instance this is based on well established usage, and comments in support of some have been published. Eight names published by Geoffroy have been in established use in the different senses of later authors: Crabro Fabricius, 1775 has already been conserved, Bruchus Linnaeus, 1767 and Mylabris Fabricius, 1775 have been proposed by Borowiec (BZN 45: 194–196), and Kerzhner has proposed conservation of the remaining five junior homonyms.

4. Kerzhner has proposed that all the 40 Geoffroy names which have been, or should be, conserved by the Commission’s plenary powers should be attributed to the Histoire abrégée, i.e. to Geoffroy, 1762. However, he has suggested that the ones not in use should be placed on the Official Index of Rejected and Invalid Names with the authorship ‘Geoffroy in Müller, 1764’. Müller (1764) presented a comparison of Linnaean and Geoffroy names and descriptions. The citation ‘Geoffroy in Müller, 1764’ is cumbersome and undesirable (Pope, BZN 49: 71); its validity has been disputed by Holthuis (above), and there is no logical reason why it (or Müller, 1764) should be the reference for the rejected names and Geoffroy, 1762 that for the conserved ones. This is further discussed in para. 7 below.

5. Prof Holthuis has suggested above that the crustacean name Asellus should be placed on the Official List with the authorship of Schaeffer (1766), rather than being conserved from Geoffroy (1762) as suggested by Kerzhner. The argument is that it is unnecessary to use the Commission’s plenary powers to conserve the authorship of the name. If Asellus were an isolated case this would be undeniable, but, as already mentioned, 16 of the 40 names in use have already been conserved with Geoffroy’s authorship. If no more were to be, the Official List would contain 16 attributed to Geoffroy (1762), 14 to Schaeffer (1766) and 10 to Schluga (1767), despite the fact that all had been published in the same work. The names have for more than two centuries been referred to Geoffroy, and not to Schaeffer or Schluga. There are further complications: for instance Pyrochroa ‘Schluga, 1767’ would need to be conserved (cf. Kerzhner’s para. K.26) by the suppression of the spelling Pyrochora Schaeffer, 1766. Rejected names on the Official Index would be assigned some to Schaeffer and some to Schluga. All this would be the ‘chaos and arbitrary attribution to different authors and dates’ deplored by Kerzhner in his para. A.7. More work and delay would be needed to achieve this undesirable end, whereas the effort needed to conserve the Geoffroy names has already been invested by
Dr Kerzhner and others, including the Commission. For these reasons, the suggestion of Prof Holthuis regarding *Asellus* has considerable disadvantages. However, the formal proposals in Kerzhner’s application have been structured so that the Commission will be asked to vote on a name-by-name procedure (see para. A.8), and it will therefore be easily possible, although entirely anomalous, to attribute *Asellus* to Schaeffer, 1766 and to have 39 names conserved from Geoffroy, 1762.

6. I am convinced that only the acceptance of Kerzhner’s application can give stability; it is in accord with historical reality and with the ‘invitation to specialists’ issued in association with the 1954 Opinion.

7. A procedural difficulty arises in the case of those Geoffroy names which are senior homonyms or synonyms of names in use, and whose conservation is therefore not requested by Kerzhner or Borowiec. These are *Acrydium, Binoculus, Bruchus, Byrrhus, Cistela, Cucujus, Formicaleo, Melolontha, Mylabris, Peltis, Rhinomacer, Tetigonia* and *Triitoma*. At the present moment these names cannot be suppressed from Geoffroy (1762), even though this was done for *Crabro* in Opinion 144 (1943), since they are not available from that work as a consequence of Opinion 228. Their availability from the work of Müller (1764) has been challenged as mentioned in para. 4 above. All of Geoffroy’s names are available from either Schaeffer (1766) or Schлага (1767), but, as pointed out in para. 5, it would be extremely confusing to introduce these ‘new’ authorships even for purposes of suppression only. By the most straightforward course is to take all the names from where they appeared, Geoffroy’s work. All 59 new generic names therein have now been considered in detail, either in Opinions already made or in the applications of Kerzhner and Borowiec. The result is that Opinion 228 has been in effect totally superseded, even though by instalments; the logical conclusion is the revocation of that Opinion and this is proposed below. It should be emphasized that the validity of no name will be affected by this seemingly drastic step. Also proposed below are minor amendments to Kerzhner’s formal proposals incorporating those which have been published in comments, and the addition of *Forbicina, Hepa* and *Tinaea* Geoffroy to the Official Index as junior objective synonyms of Linnaean names. As already mentioned, the Commission will be asked to vote on a name-by-name basis in all cases.

8. I comment separately (BZN 49: 227–228) on Dr Borowiec’s application (BZN 45: 194–196), and on the name *Acrydium* (BZN 49: 228–229).

9. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to rule that, notwithstanding the use of polynomial specific names in the work by E.L. Geoffroy (1762) entitled *Histoire abrégée des insectes qui se trouvent aux environs de Paris*, generic names published in that work are deemed available for nomenclatural purposes;

(2) to delete this work from the Official Index of Rejected and Invalid Works in Zoological Nomenclature, and to place it on the Official List of Works Approved as Available for Zoological Nomenclature with an endorsement to reflect the ruling requested in (1) above;

(3) to make such editorial changes in the Official Lists and Indexes as are necessary from the rulings requested in (1) and (2) above, together with previous Opinions;

(4) to accept the following amendments to the proposals published by I.M. Kerzhner in BZN 48: 107–133 (references being given to his paragraphs in each case):
(i) amend all references to Geoffroy in Müller, 1764 to read Geoffroy, 1762;
(ii) B.3 (2) (a) withdraw [covered by deletion of (5)(a) below];
            (b) amend Müller, 1776 to read Geoffroy, 1762;
            (5) (a) delete this entry from Official Index;
            (b) amend Müller, 1776 to read Geoffroy, 1762;
C.2 [new para.] add Forbicina Geoffroy, 1762 to Official Index as a junior objective synonym of Lepisma Linnaeus, 1758;
D.3 no changes [apart from amendment of Geoffroy in Müller, 1764];
E.2 (1) and (2) amend Geoffroy in Fourcroy, 1785 to read Geoffroy, 1762;
F.2 [new para.] add Hepa Geoffroy, 1762 to Official Index as a junior objective synonym of Nepa Linnaeus, 1758;
G.2 no changes [apart from amendment of Geoffroy in Müller, 1764];
H.5 (3)(b) amend (Olivier, 1791) to read (Fabricius, 1781);
J.3 add new (4) to amend entry for Tinaea Geoffroy, 1762 on the Official Index to record that it is a junior objective synonym of Tinea Linnaeus, 1758;
K.30(3)(a) and (c) amend authorships to read Geoffroy, 1762;
            (3)(b) and (7)(f) omit;
            (6)(r), (7)(e) and (9)(k) amend Kugelann, 1792 to read Müller, 1776;
            (8) amend Müller, 1776 to read Geoffroy, 1762.

References
Schluga, J.B. 1767. Præmia lineæ cognitionis insectorum cum figuris aeneis. 1, 47, 4 pp., 2 pls.
       Kraus, Vienna.

Comment on the proposed conservation of Bruchus Linnaeus, 1767, Ptinus Linnaeus, 1767 and Mylabris Fabricius, 1775 (Insecta, Coleoptera) 
(Case 2618; see BZN 45: 194–196; 48: 143–147)

P.K. Tubbs
Executive Secretary, International Commission on Zoological Nomenclature

1. The generic names Bruchus and Mylabris were first published, with descriptions, on pp. 163 and 266 of Geoffroy’s 1762 Histoire abrégée des insectes qui se trouvent aux environs de Paris. They appeared again in Müller (1764) and Schaeffer’s 1766 Elementa Entomologica. The latter two works included no species in any genus, but Geoffroy employed polynomial specific names and for this reason his work was ruled in Opinion 228 to be unavailable; the new generic names were not excepted but specialists were asked for advice. The authorship of these names, as of 1764, has been given as ‘Müller’ by Borowiec (BZN 45: 194–196) and as ‘Geoffroy in Müller’ by Kerzhner (BZN 38: 5–7; 48: 107–133), Kerzhner & Kirejtshuk (BZN 48: 143–144) and myself (BZN 48: 146–147). However, doubt exists as to whether, under Article 11d of the Code, any names were made available in Müller’s work, and it has been proposed (BZN 49: 226) that generic names should now be accepted as having been made available in Geoffroy (1762); this course has already been accepted by the Commission in 16 particular instances. If Kerzhner’s proposals (BZN 48: 107–133) and those of Borowiec are
approved 40 of Geoffroy's 59 new generic names will have been conserved, and 19 rejected or suppressed in accord with the usage of modern times.

2. Borowiec has drawn attention to the fact that Bruchus has long been accepted in the seed beetle sense of Linnaeus (1767, p. 604) and not in that of Geoffroy, and similarly Mylabris in the oil beetle sense of Fabricius (1775, p. 261). He has proposed the conservation of the names in the later senses, and also that of Ptinus Linnaeus, 1767 (p. 565), in long-established use but a junior synonym of Bruchus sensu Geoffroy. These actions have been supported by Kerzhner (BZN 48: 119, 121) and by Kerzhner & Kirejtshuk (BZN 48: 143–144). The latter have pointed out that Laria Scopoli, 1763 is (like Mylabris sensu Geoffroy; see Gentry, BZN 48: 144–145) a senior synonym of Bruchus Linnaeus, 1767 and they have proposed its suppression.

3. I propose that the Commission accept the proposals of Borowiec in BZN 45: 195, with the following amendment and addition:

(1) references to 'Müller, 1764' be amended to read 'Geoffroy, 1762'. (This is subject to the Commission accepting Proposal (1) on BZN 49: 226, relating to Kerzhner's proposal to conserve Geoffroy's names; if that is not approved Müller, 1764 could be replaced by Geoffroy in Müller, 1764 or Schaeffer, 1766, but the names have never been attributed to Schaeffer);

(2) the addition of the proposals of Kerzhner & Kirejtshuk (BZN 48: 143).

Comment on the proposed suppression of the generic names Acrydium and Acridium, and on the conservation of Psophus Fieber, 1853 (Insecta, Orthoptera)
(Case 2568; see BZN 45: 191–193; 46: 42–44)

P.K. Tubbs
Executive Secretary, International Commission on Zoological Nomenclature

1. Family-group names based on Acrida Linnaeus, 1758 are in universal use at both family and superfamily rank. In an application concerning the precedence of family-group names in the Orthoptera, Key (BZN 45: 191, para. 4) mentioned the confusion which had been caused by the existence of the generic names Acrydium and Acridium and derived family-group names, and proposed their suppression; this has been supported by Kerzhner (BZN 46: 42; 48: 112) and by Dr V.R. Vickery and the late Dr D.K. McE. Kevan (unpublished).

2. Acrydium was first published with a description by Geoffroy (1762, p. 390) in his Histoire abrégée des insectes qui se trouvent aux environs de Paris, and was cited by Müller (1764, p. 17). It was treated as a valid name by Schluga (1767, p. 33) a year after Schaeffer (1766, genus 79, p. 15) had made the name Acridium available for the same taxon (neither of these works was mentioned in Key's application, but this does not affect any issue). As discussed by Key in para. 4 of his application, Acrydium and Acridium have not been used for very many years. Family-group names based on them were used in the 19th century, with various spellings, and caused confusion because of their similarity to the names ACRIDIDAE and ACRIDOIDEA, nominal taxa based on Acrida Linnaeus which were introduced only later but which, as mentioned above, are in use.
3. The type species of *Acrida* was designated in Opinion 299 (1954) as *Gryllus turritus* Linnaeus, 1758. The type species of *Acrydium (= Acriddium)* is *Gryllus stridulus* Linnaeus, 1758, so it is a senior objective synonym of *Psophus* Fieber, 1853, as pointed out by Kerzhner (BZN 46: 42). *Psophus* is in use; it was placed on the Official List of Generic Names in Opinion 149 (1943) but its synonymy with *Acrydium* was not then dealt with by the suppression of the latter. *Acrida* and *Acrydium/Acriddium* (i.e. *Psophus*) are entirely distinct and it is unfortunate that the names resemble each other.

4. Complications concerning various family-group names have delayed the disposal of Key’s application (BZN 45: 191–193). As discussed in the preceding comments it is very desirable to settle finally the status of the 59 generic names erected by Geoffroy (1762). If the applications of Kerzhner and Borowiec are approved *Acrydium* will be the only remaining Geoffroy name (cf. Kerzhner’s para. D.1 on BZN 48: 112). Its suppression is therefore proposed below, as is that of *Acriddium* Schaeffer, 1766. Key (para. 7 on BZN 45: 192) has proposed the suppression of both generic names, but gave their authorships as Müller, 1764 and 1776 respectively. If Proposal (1) on BZN 49: 226 is not approved *Acrydium* could be taken from Geoffroy in Müller, 1764 or Schluga, 1767 (see para. 2 above). There is of course no need to place *Acrida* and *Psophus* on the Official List.

5. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to suppress the following generic names for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:

(a) *Acrydium* Geoffroy, 1762;
(b) *Acriddium* Schaeffer, 1766;

(2) to place the following names on the Official Index of Rejected and Invalid Generic Names in Zoology:

(a) *Acrydium* Geoffroy, 1762, as suppressed in (1)(a) above;
(b) *Acriddium* Schaeffer, 1766, as suppressed in (1)(b) above.

Additional references


Schluga, J.B. 1767. *Primae lineae cognitionis insectorum cum figuris aeneis*. 1, 47, 4 pp., 2 pls. Kraus, Vienna.

Comments on the proposed conservation of the names *Lincus* Stål, 1867 and *croupius* Rolston, 1983 (Insecta, Heteroptera)

(Case 2798; see BZN 49: 19–21)

(1) L.B. Holthuis

*Nationaal Natuurhistorisch Museum, Postbus 9157, 2300 RA Leiden, The Netherlands*

The arguments to save the well-known name *Lincus* for a genus of Heteroptera that is important in phytopathology are convincing. However, I see no reason to suppress
the specific name bipunctata Spinola, 1850 in favour of croupius Rolston, 1983. It seems a great advantage to accept the 133-year older name for the species; this gives more nomenclatural stability as any overlooked synonym published since 1850 cannot do any harm. Therefore, I suggest the rejection of proposals (1)(b) and (5) on BZN 49: 20, and the substitution of bipunctata for croupius in proposal (3)(b).

(2) L.H. Rolston
Louisiana Agricultural Experiment Station, Baton Rouge, Louisiana 70803–1710, U.S.A.

In response to the above objection by Holthuis to the suppression of the specific name bipunctata Spinola, 1850 and the placement of croupius Rolston, 1983 on the Official List of Specific Names, it appears to me that nomenclatural stability would be served best by suppressing a name used once and only once in primary literature and conserving the synonym that has been used in applied work by seven authors, in addition to my 1983 paper. There is a manuscript in press by two additional authors (G. Couturier & F. Kahn) that also uses the specific name croupius. This name has thus been used by at least 10 authors in 6 papers since 1983. Perhaps it is unfortunate that I am the author of the specific name proposed as an addition to the Official List. I am not biased because of authorship and shall not be in the least perturbed on personal grounds should the proposal be rejected.

Comments on the proposed conservation of the generic name Helophorus Fabricius, 1775 (Insecta, Coleoptera) as the correct original spelling
(Case 2796; see BZN 49: 30–31)

(1) A. Smetana
Centre for Land and Biological Resources Research, Biological Division, Agriculture Canada, Ottawa, Ontario K1A 0C6, Canada

I am in full support of the application by R.B. Angus to conserve the name Helophorus.

Angus correctly states that Illiger’s emendation of the original Fabricius spelling of Elophorus to Helophorus is unjustified under Article 33b of the Code. However, the fact that the overwhelming majority of authors, both old and recent, used Illiger’s spelling Helophorus should be taken into consideration. I would like to emphasize here that the spelling Helophorus is used in the recent and comprehensive treatment of the genera of hydrophiloid beetles by Hansen (1991); this will be used as the standard reference for many years to come. The spelling Helophorus is used consistently also in many recent non-taxonomic papers in the fields of palaeontology (e.g. Schwert, 1992), ecology (Koch, 1989) and economic entomology (Booth, Cox & Madge, 1990), and in recent catalogues and checklists (e.g. Lucht, 1987; Roughley, 1991).

A return to the original Fabricius spelling Elophorus would certainly not contribute to the stability of nomenclature.
Additional references


(2) G.N. Foster
The Balfour-Browne Club, 3 Eglinton Terrace, Ayr KA7 1JJ, Scotland, U.K.

I write in support of the proposal to conserve the spelling Helophorus. I would like to draw the Commission's attention to the following points emphasizing the need for conservation of usage:

1. Angus has in press the most important text to be assembled concerning the genus Helophorus (Süsswasserfauna von Mitteleuropa, vol. 20, section 10, part 2). This has been severely delayed already and will appear with the name Helophorus used throughout. Elophorus would undermine the value of this magnum opus.

2. The genus includes one species (Helophorus brevipalpis) that is often the commonest insect in flight in western Europe, and therefore frequently appears in ecological publications. The genus also includes several crop pests. Reversion to Elophorus would cause confusion to ecologists, some of whom would resist the change and others of whom would remain in ignorance of it.

3. The genus features strongly in palaeoecological studies, another area in which it would be undesirable to cause confusion by change of usage.

4. Hansen's monograph (1991) incontrovertibly establishes the family status of the Helophoridae, whereas previously many authors have treated Helophorus as part of the Hydrophilidae. A change in the name would cause confusion at the family level at a time when many workers have just adjusted to use of the name Helophoridae.

(3) Alfred F. Newton, Jr.
Field Museum of Natural History, Roosevelt Road at Lake Shore Drive, Chicago, Illinois 60605–2496, U.S.A.

The spelling Helophorus has achieved near-universal use for this genus and as the base for the family-group name based on it (Helophoridae or Helophoridae). Although there have been a few recent uses of Elophorus, it is still possible at this time to avoid long-term confusion in the literature by conserving Helophorus.

M. Hansen (1991) used Helophorus and Helophoridae in his recently published comprehensive work on hydrophiloid beetles and M. Thayer and I have done the same in a work on family-group names in the Hydrophiloidae and Staphylinoidae (Fieldiana, Zoology, in press). Both works are likely to be widely used as references for some time, which argues further for conserving Helophorus.
(4) J.A. Owen
8 Kingsdown Road, Epsom, Surrey KT17 3PU, U.K.

I have read this application with great interest and wish it to be known that it has my strong support.

(5) Paul J. Spangler
Department of Entomology, National Museum of Natural History, Smithsonian Institution, Washington, D.C. 20560, U.S.A.

I strongly recommend that the Commission conserve Helophorus as the correct name of this taxon. Illiger’s (1801) emendation has been widely used for very many years, as is documented in the application.

(6) D.T. Bilton
Institutionen för Genetik, Uppsala Universitet, Box 7003, S-75007 Uppsala, Sweden

I have recently seen the application to conserve the currently used spelling of the water beetle genus name Helophorus. As someone who has worked with aquatic Coleoptera for a considerable time I would like to support this application. Helophorus is one of the most familiar and widespread genera of water beetles in the northern hemisphere, and is known to many people other than students of the group. A return to the original Fabrician spelling would be most unwelcome to people familiar with these insects, and would only serve to confuse those who are not!

(7) Support for the conservation of the spelling Helophorus has also been received from Dr Hans Silfverberg (Universitetets Zoologiska Museum, N. Järnvägsgatan 13, SF-00100 Helsingfors, Finland).

Comments on the proposed conservation of Schizopus Le Conte, 1858 (Insecta, Coleoptera)
(Case 2773; see BZN 48: 305–307)

(1) L.B. Holthuis
Nationaal Natuurhistorisch Museum, Postbus 9157, 2300 RA Leiden, The Netherlands

The author of the application writes (para. 1) that he has not been able to ascertain the exact dates of Schizopus Le Conte, 1858 and Schizopus Claparède & Lachman, 1858 and he dates them therefore as 31 December 1858.

I can help with Schizopus Le Conte, which was published in vol. 10, p. 70 of Proceedings of the Academy of Natural Sciences of Philadelphia (1858). The ‘Index to the scientific contents of the Journal and Proceedings of the Academy of Natural Sciences of Philadelphia’, published in 1913 by the Academy, has a chapter dealing with the dates of publication of these two serials. On p. xii there is a note that of the Proceedings (1858 = vol. 10) the receipt of the first part (pp. 1–88) was acknowledged by the American Antiquarian Society on 19 April 1858.
(2) Volker Mahnert

*Muséum d'Histoire Naturelle, Case postale 434, CH-1211 Genève 6, Switzerland*

An exact date for the publication of Claparède & Lachman's (1858) work, which included the new name *Schizopus*, has not been easy to find. The archives of the Institut National Genèvois were unfortunately destroyed by fire in about 1963 and the university library of Geneva does not have an entry register covering that time. However, an entry in the register of the Société de Physique et d'Histoire naturelle de Genève records receipt of the work from Claparède himself in December 1858. This is apparently the date of publication.

**Comment on the proposed conservation of the specific names of *Cynolebias opalescens* and *C. splendens*, both of Myers (1942) (Osteichthyes, Cyprinodontiformes)**

*Case 2792; see BZN 49: 207–208*

Anthea Gentry

*Secretariat, International Commission on Zoological Nomenclature*

The authors of the application, Drs Ferrarisi and Lazara, have written (30 May 1992) that were it not for the widespread adoption of Myers's (1942) names by government and conservation organisations they would have supported Costa & Lacerda's (1988) adoption of the (1937) Faria & Muller names *fluminensis* and *sandrii*. The authors believe that the case should be decided 'only on the question of whether the widespread adoption of a junior synonym outside of the systematic community is sufficient to justify its continued use'. Some further information is noted below.

The paper (1937) in which Faria & Muller's species were described appeared in a military journal, published between 1937 and 1941 and of limited scientific circulation (see Costa & Lacerda, 1988, p. 128). No type specimens were designated.

In 1942 Myers described *Cynolebias opalescens* and *C. splendens* from seasonal ponds along the base of Serra do Petropolis, State of Rio de Janeiro. Types for both species were designated from specimens in the Natural History Museum, Stanford University, California (*opalescens*: an adult male holotype, catalogue no. 36521, and an adult male and three female paratypes; *splendens*: an adult male holotype, catalogue no. 36527, and three adult male paratypes).

Subsequently, whilst staying in Brazil between 1942 and 1944, Myers became acquainted with Faria & Muller's (1937) paper and agreed with the synonymies, but considered that the earlier work 'was not published according to scientific standards' (Myers, 1944, p. 204; see also Myers, 1952, p. 129). Costa & Lacerda (1988, pp. 127, 128) also recorded that Myers did not accept the validity of the earlier names because he thought that the journal in which they appeared was not available in libraries and was therefore unknown to zoologists. With the exceptions of Lacerda (1987) and Costa & Lacerda (1988), noted in para. 1 of the application, no author has adopted the specific names *fluminensis* and *sandrii* Faria & Muller, 1937.

**Additional references**


Comments on the proposed conservation of the specific name of *Anniella pulchra* Gray, 1852 and designation of a neotype (Reptilia, Squamata)
(Case 2552; see BZN 48: 316–318; 49: 155–156)

(1) Mark R. Jennings

I feel that I am in a unique position to judge the merits of the application by Drs Murphy & Smith and to urge the Commission to approve it. To change the current nomenclature of *Anniella* would cause certain confusion.

Dr Marc P. Hayes (Portland State University) and I have recently completed a four-year status report, *Special Concern Amphibians and Reptiles in California*. This document will be widely used by a number of state, federal and local agencies, as well as private consultants. We reviewed the taxonomy, distribution, life history and threats to the legless lizard, *Anniella pulchra*, throughout its known range in California. We found that of the 30 references we cited only one (Bury, 1985; an unpublished report) had adopted the nomenclature proposed by Hunt (1983). Furthermore, of 1,972 museum specimens we examined in 12 U.S. collections only 282 specimens in a single collection were catalogued under Hunt’s arrangement. It is clear that nearly all curators and collections managers have resisted relabelling the specimens in their charge.

Information published by Bezy & Wright (1971) and Bezy, Gorman, Kim & Wright (1972) indicates that the taxon currently known as *A. pulchra* consists of at least two distinct taxa. Hopefully, future biochemical and morphological analyses will clarify the relationships of *Anniella* taxa in California. A revision of the group is inevitable and thus the conservation of *A. pulchra* by selection of a neotype is the best course of action.

Additional references


(2) Robert G. Sprackland
1201 Geraldine Way, Suite 1, ‘Reptile Road’, Belmont, California 94002, U.S.A.

Despite the validity of the argument on priority, the nomenclature of *Anniella pulchra* Gray, 1852 should follow the pre-Hunt (1983) status because there is over a century of literature on this taxon which is both voluminous and very specific about the animal it addresses. Nomenclature ought to be stable and it therefore seems logical in this case to honour the spirit rather than the letter of the Code.
I write in support of the application to retain the current usage of the name Anniella pulchra Gray, 1852.

I believe that the authors are correct in their assertion that the vast majority of herpetologists (systematists and otherwise) understand the widespread mainland California form to be *A. pulchra*. To follow Hunt (1983) and rename this species as a subspecies of *A. nigra* Fischer, 1885 would introduce significant confusion to a vast literature base for the sake of 'correcting' an error which arose from a complex series of events long ago.

I study burrowing lizards, including *Anniella*, and would find it awkward to adopt Hunt's nomenclature, as I am sure would others. I thus support the neotype designation and the other proposals of Murphy & Smith.

The proposal by Murphy & Smith to designate a neotype and conserve the name *Anniella pulchra* Gray, 1852 has my full support. Promotion of stability of nomenclature is one of the important functions of the Commission and may appropriately be exercised in this case. The taxon has a large literature diverse in subject matter. Change would serve no useful purpose and would be confusing to ecologists and physiologists not likely to be informed regarding current nomenclature.
OPINION 1689

Epizoanthus Gray, 1867 (Cnidaria, Anthozoa): conserved

Ruling

(1) Under the plenary powers the generic name Sidisia Gray, 1858 is hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy.

(2) The name Epizoanthus Gray, 1867 (gender: masculine), type species by monotypy Dysidea papillosa Johnston, 1842, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name papillosa Johnston, 1842, as published in the binomen Duseideia? papillosa (specific name of the type species of Epizoanthus Gray, 1867), is hereby placed on the Official List of Specific Names in Zoology.

(4) The name Sidisia Gray, 1858, as suppressed in (1) above, is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology.

History of Case 2750

An application for the conservation of Epizoanthus Gray, 1867 was received from Prof. J.S. Ryland and Dr. A. Muirhead (University College of Swansea, Swansea, U.K.) on 5 December 1989. After correspondence the case was published in BZN 48: 19–21 (March 1991). Notice of the case was sent to appropriate journals. A comment in support from Dr. Mark J. Grygier (Seto Marine Biological Laboratory, Wakayama, Japan) was published in BZN 48: 243 (September 1991).

It was noted on the voting paper that the new species papillosa Johnston, 1842 (pp. 190–190, 251, pl. 16, figs. 6, 7) was tentatively included in the new genus Duseideia Johnston, 1842, and that Dysidea? should therefore be amended to Duseideia? in proposal 10(3) on BZN 48: 20.

Johnston (1842, p. 185) established Duseideia with two included species, Spongia fragilis Montagu, 1818 (p. 114, pl. 14, figs. 1, 2) and D. papillosa. Later in the same work (p. 251) Johnston altered the spelling of the generic name to Dysidea. Bowerbank (1864), acting as first revisor, adopted the spelling Dysidea and Duseideia has not subsequently been used. deLaubenfels (1948) designated Spongia fragilis Montagu as the type species of Dysidea. The names Dysidea Johnston, 1842 and Spongia fragilis Montagu, 1818 were placed on Official Lists in Opinion 1550 (September 1989); Duseideia Johnston, 1842 (an incorrect original spelling of Dysidea) was placed on the Official Index in the same Opinion.

In a note on Dysidea papillosa, Bowerbank (1866, p. 384) placed the species in the Zoanthidae (Anthozoa) and recorded that ‘Dr Johnston...expresses his doubts of its being truly a sponge’.

Additional references


Montagu, G. 1818. An essay on sponges, with descriptions of all the species that have been discovered on the coast of Great Britain. *Memoirs of the Wernerian Natural History Society*, 2: 67–122.

**Decision of the Commission**

On 1 March 1992 the members of the Commission were invited to vote on the proposals published in *BZN* 48: 20. At the close of the voting period on 1 June 1992 the votes were as follows:

- **Affirmative votes** — 28: Bayer, Bock, Bouchet, Cocks, Cogger, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Stys, Thompson, Trjapitzin, Uéno, Willink
- **Negative votes** — 1: Kabata

**Original references**

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:

OPINION 1690

_Helix (Helicigona) barbata_ Férussac, 1832 (currently _Lindholmiola barbata_; Mollusca, Gastropoda): lectotype designation confirmed

**Ruling**

(1) It is hereby confirmed that the name _Helix (Helicigona) barbata_ is first available from Férussac (1832) and not from Férussac (1821).

(2) Under the plenary powers it is hereby confirmed that the specimen figured and named as _H. (H.) barbata_ var. _α_ by Férussac (1832, pl. 66*, fig. 3 and explanation), designated by Gittenberger & Groh (1986), is the lectotype of the nominal species _Helix (Helicigona) barbata_ Férussac, 1832.

(3) The name _barbata_ Férussac, 1832, as published in the binomen _Helix (Helicigona) barbata_ and as defined by the lectotype designated by Gittenberger & Groh (1986), confirmed in (2) above, is hereby placed on the Official List of Specific Names in Zoology.

**History of Case 2630**

An application for the confirmation of the lectotype designation of _Helix (Helicigona) barbata_ Férussac, 1832 was received from Mr D. Kadolsky (Ewell, Surrey, U.K.) on 20 November 1987. After correspondence the case was published in 47: 101–103 (June 1990). Notice of the case was sent to appropriate journals.

A comment by Prof Edmund Gittenberger (Nationaal Natuurhistorisch Museum, Leiden, The Netherlands), published in BZN 48: 53 (March 1991), supported placing on the Official List the specific name of _Helix barbata_ Férussac defined by the lectotype designated by Gittenberger & Groh (1986): the specimen figured in Férussac’s (1832) plate 66*, fig. 3. However, Prof Gittenberger disputed the date of availability cited for the name in the application (i.e. 1832). A reply by Mr Kadolsky, published in BZN 48: 243–244 (September 1991), reiterated that _H. barbata_ was first made available in 1832 by the publication of Férussac’s plate and explanation, and not in 1821.

A further comment, published in BZN 48: 244, noted that in Opinion 336 (March 1955) _Helix lens_ Férussac, 1832 (fig. 2 on pl. 66*; not pl. 66, as given on BZN 10: 99, which illustrated different species and was subsequently renumbered as pl. 76) had been placed on the Official List; proposals (3) and (4)(b) on BZN 47: 103, para. 8 were therefore withdrawn from the application.

**Decision of the Commission**

On 1 March 1992 the members of the Commission were invited to vote on the proposals published in BZN 47: 103, with the withdrawals noted above. At the close of the voting period on 1 June 1992 the votes were as follows:

Affirmative votes — 26: Bayer, Bock, Bouchet, Cocks, Cogger, Corliss, Dupuis, Hahn, Heppell, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Savage, Schuster, Starobogatov, Štys, Thompson, Trjapitzin, Uénő, Willink

Negative votes — 3: Halvorsen, Holthuis and Ride.

Holthuis and Ride considered that the name _barbata_ had been made available in 1821.
Original references

The following is the original reference to the name placed on an Official List by the ruling given in the present Opinion:

*barbata, Helix (Helicigona)*, Féruccac, 1832, *Histoire naturelle générale et particulière des mollusques terrestres et fluviatiles*, Explication des planches des livraisons 22–27; pl. 66*, fig. 3.

The following is the reference for the designation of the lectotype of *Helix (Helicigona) barbata* Féruccac, 1832:

OPINION 1691

Polygyra Say, 1818 (Mollusca, Gastropoda): Polygyra septemvolva Say, 1818 designated as the type species, and POLYGYRIDAE Pilsbry, 1895 given precedence over MESODONTIDAE Tryon, 1866

Ruling

(1) Under the plenary powers:
   (a) all fixations of type species for the nominal genus Polygyra Say, 1818 prior to the designation by Herrmannsen (1847) of Polygyra septemvolva Say, 1818 are hereby set aside;
   (b) POLYGYRIDAE Pilsbry, 1895 and other family-group names based on Polygyra Say, 1818 are hereby given precedence over MESODONTIDAE Tryon, 1866 and other family-group names based on Mesodon Ferussac, 1821 whenever their type genera are placed in the same family-group taxon.

(2) The following names are hereby placed on the Official List of Generic Names in Zoology:
   (a) Polygyra Say, 1818 (gender: feminine), type species by subsequent designation by Herrmannsen (1847) Polygyra septemvolva Say, 1818, as ruled in (1)(a) above;
   (b) Mesodon Ferussac, 1821 (gender: masculine), type species by monotypy Helix thyroidus Say, 1817.

(3) The following names are hereby placed on the Official List of Specific Names in Zoology:
   (a) septemvolva Say, 1818, as published in the binomen Polygyra septemvolva (specific name of the type species of Polygyra Say, 1818);
   (b) thyroidus Say, 1817, as published in the binomen Helix thyroidus (specific name of the type species of Mesodon Ferussac, 1821).

(4) The following names are hereby placed on the Official List of Family-Group Names in Zoology:
   (a) POLYGYRIDAE Pilsbry, 1895 (type genus Polygyra Say, 1818) with the endorsement that it and other family-group names based on Polygyra are to be given precedence over MESODONTIDAE Tryon, 1866 (type genus Mesodon Ferussac, 1821) and other family-group names based on Mesodon whenever their type genera are placed in the same family-group taxon;
   (b) MESODONTIDAE Tryon, 1866 (type genus Mesodon Ferussac, 1821) with the endorsement that it and other family-group names based on Mesodon are not to be given priority over POLYGYRIDAE Pilsbry, 1895 and other family-group names based on Polygyra Say, 1818 whenever their type genera are placed in the same family-group taxon.

History of Case 2642

An application for the conservation of the family-group name POLYGYRIDAE Pilsbry, 1895 by giving it precedence over MESODONTIDAE Tryon, 1866 was received from Dr K.C. Emberton (Academy of Natural Sciences, Philadelphia, Pennsylvania, U.S.A.) on 8 February 1988. After correspondence the case was published in BZN 46: 94–96 (June 1989). Notice of the case was sent to appropriate journals.

1990), noted that the generic name *Mesodon* was first published by Férussac (1821) in synonymy, and that authorship of the name is correctly ascribed to Férussac (1821) (Article 50g of the Code, cf. paras. 1 and 8 of the application).

The application received the necessary two-thirds majority for approval when voted on by the Commission. However, Mr David Heppell, voting in favour, pointed out on his voting paper that the type species of the type genus *Polygyra* Say, 1818 was *P. auriculata* Say, 1818 by Gray’s (November 1847) designation, and not *P. septemvolva* Say, 1818 as stated in the application. He also noted that the correct date for the publication of the name *Polygyridae* is 1895 (not 1894 as previously stated). A further proposal (BZN 48: 141–142; June 1991) sought to set aside Gray’s designation in favour of the accepted type species for *Polygyra*, *P. septemvolva* Say, 1818, designated by Herrmannsen (December 1847) (see BZN 46: 95). Approval of this further proposal has allowed the ruling on the case to be completed and a combined Opinion to be published.

**Decision of the Commission**

On 1 December 1990 the members of the Commission were invited to vote on the proposals published in BZN 46: 95, with the amendment to the authorship (Férussac, 1821) of the name *Mesodon* noted above. At the close of the voting period on 1 March 1991 the votes were as follows:

**Affirmative votes** — 26: Bayer, Bock, Cocks, Cogger, Corliss, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Mroczkowski, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Trjapitzin, Uéno, Willink

**Negative votes** — 1: Thompson.

Dupuis abstained.

On 1 March 1992 the members of the Commission were invited to vote on the proposal published in BZN 48: 142. At the close of the voting period on 1 June 1992 the votes were as follows:

**Affirmative votes** — 29: Bayer, Bock, Bouchet, Cocks, Cogger, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Stys, Thompson, Trjapitzin, Uéno, Willink

**Negative votes** — none.

**Original references**

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:


The following is the reference for the designation of *Polygyra septemvolva* Say, 1818 as the type species of the nominal genus *Polygyra* Say, 1818:

OPINION 1692

**Phyllodoce** Lamarck, 1818 and **Polyodontes** de Blainville, 1828
(Annelida, Polychaeta): conserved

**Ruling**

(1) Under the plenary powers the generic name *Phyllodoce* Ranzani, 1817, and all uses of the name *Phyllodoce* prior to the publication of *Phyllodoce* Lamarck, 1818, are hereby suppressed for the purposes of both the Principle of Priority and the Principle of Homonymy.

(2) The following names are hereby placed on the Official List of Generic Names in Zoology:

(a) *Phyllodoce* Lamarck, 1818 (gender: feminine), type species by monotypy *Phyllodoce laminosa* Lamarck, 1818;

(b) *Polyodontes* de Blainville, 1828 (gender: masculine), type species by monotypy *Phyllodoce maxillosa* Ranzani, 1817.

(3) The following names are hereby placed on the Official List of Specific Names in Zoology:

(a) *laminosa* Lamarck, 1818, as published in the binomen *Phyllodoce laminosa* (specific name of the type species of *Phyllodoce* Lamarck, 1818);

(b) *maxillosa* Ranzani, 1817, as published in the binomen *Phyllodoce maxillosa* (specific name of the type species of *Polyodontes* de Blainville, 1828).

(4) The name **Phyllodocidae** Örsted, 1843 (type genus *Phyllodoce* Lamarck, 1818) is hereby placed on the Official List of Family-Group Names in Zoology.

(5) The name *Phyllodoce* Ranzani, 1817, as suppressed in (1) above, is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology.

**History of Case 2765**

An application for the conservation of *Phyllodoce* Lamarck, 1818 and *Polyodontes* de Blainville, 1828 was received from Dr Fredrik Pleijel (Swedish Museum of Natural History, Stockholm, Sweden) on 12 March 1990. After correspondence the case was published in BZN 48: 100–102 (June 1991). Notice of the case was sent to appropriate journals. No comments were received.

It was noted on the voting paper that the publication by Pleijel (1991) recorded as ‘in press’ in para. 3 of the application had subsequently been published: Zoologica Scripta, 20: 225–261.

**Decision of the Commission**

On 1 March 1992 the members of the Commission were invited to vote on the proposals published in BZN 48: 101. At the close of the voting period on 1 June 1992 the votes were as follows:

Affirmative votes — 28: Bayer, Bock, Bouchet, Cocks, Cogger, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Štys, Trjapitzin, Uéno, Willink

Negative votes — 1: Thompson.
Original references
The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:


PHYLLODOCIDAE Örsted, 1843, Annulatorium danicorum conspectus, fasc. 1 (Maricolae), p. 25.
OPINION 1693

*Coccinella undecimnotata* Schneider, [1792] (currently *Hippodamia (Semiadalia) undecimnotata*; Insecta, Coleoptera): specific name conserved

**Ruling**

(1) Under the plenary powers the following specific names are hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:

(a) *oculata* Thunberg, 1781, as published in the binomen *Coccinella oculata*;
(b) *circularis* Olivier, 1791, as published in the binomen *Coccinella circularis*.

(2) The name *undecimnotata* Schneider, [1792], as published in the binomen *Coccinella undecimnotata*, is hereby placed on the Official List of Specific Names in Zoology.

(3) The following names are hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology:

(a) *oculata* Thunberg, 1781, as published in the binomen *Coccinella oculata* and as defined by the lectotype designated by Pope (1987), suppressed in (1)(a) above;
(b) *circularis* Olivier, 1791, as published in the binomen *Coccinella circularis*, suppressed in (1)(b) above.

**History of Case 2763**

An application for the conservation of the specific name of *Coccinella undecimnotata* Schneider, [1792] was received from Mr Robert D. Pope (c/o The Natural History Museum, London, U.K.) on 6 March 1990. After correspondence the case was published in BZN 48: 38–40 (March 1991). Notice of the case was sent to appropriate journals. No comments were received.

**Decision of the Commission**

On 1 December 1991 the members of the Commission were invited to vote on the proposals published in BZN 48: 39. At the close of the voting period on 1 March 1992 the votes were as follows:

Affirmative votes — 27: Bayer, Bock, Bouchet, Cocks, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Štys, Thompson, Trjapitzin, Uéno, Willink

Negative votes — 2: Cogger and Lehtinen.

Cogger commented that he did not accept the argument that a neotype designation for *Coccinella undecimnotata* Schneider, [1792] was not justified (para. 1 of the application); he considered that to reject names in order to conserve another name which has no extant type material was to invite further dispute and instability. Lehtinen also commented that the existence of type material was essential in taxonomic work; when making a choice between a name with a type and one without, arguments in favour of the latter had to be really strong.
Original references
The following are the original references to the names placed on an Official List and an Official Index by the ruling given in the present Opinion:
umdetromotata, Coccinella, Schneider, [1792]. Neuestes Magazin für die Liebhaber der Entomologie, 1(3): 379.

The following is the reference for the designation of the lectotype of Coccinella oculata Thunberg, 1781:
OPINION 1694

*Rhinapion* Beguin-Billecocq, 1905 (Insecta, Coleoptera): conserved

Ruling

(1) Under the plenary powers the generic name *Rhinapion* Motschulsky, 1868, and all uses of the name *Rhinapion* prior to the publication of *Rhinapion* Beguin-Billecocq (1905), are hereby suppressed for the purposes of both the Principle of Priority and the Principle of Homonymy.

(2) The name *Rhinapion* Beguin-Billecocq, 1905 (gender: neuter), type species by subsequent designation by Kissinger (1968) *Apion* (*Rhinapion*) *pauxillum* Beguin-Billecocq, 1905, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name *pauxillum* Beguin-Billecocq, 1905, as published in the binomen *Apion* (*Rhinapion*) *pauxillum* (specific name of the type species of *Rhinapion* Beguin-Billecocq, 1905), is hereby placed on the Official List of Specific Names in Zoology.

(4) The name *Rhinapion* Motschulsky, 1868, as suppressed in (1) above, is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology.

History of Case 2757

An application for the conservation of *Rhinapion* Beguin-Billecocq, 1905 was received from Drs M.A. Alonso-Zarazaga (*Museo Nacional de Ciencias Naturales, Madrid, Spain*) and M. Wanat (*Muzeum Przyrodnicze, Uniwersytet Wroclawski, Wroclaw, Poland*) on 5 February 1990. After correspondence the case was published in *BZN* 48: 135–136 (June 1991). Notice of the case was sent to appropriate journals.

A comment by one of the authors, Dr M.A. Alonso-Zarazaga, published in *BZN* 48: 324 (December 1991), amplified the application. He noted that there is no known synonym or replacement name for *Rhinapion* Beguin-Billecocq, and to invent one would upset the established nomenclature of the taxon. He also noted that new species of economic importance are awaiting description.

Decision of the Commission

On 1 March 1992 the members of the Commission were invited to vote on the proposals published in *BZN* 48: 136. At the close of the voting period on 1 June 1992 the votes were as follows:

Affirmative votes — 26: Bayer, Bock, Cocks, Cogger, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Štys, Trjapitzin, Ueno, Willink

Negative votes — 3: Bouchet, Holthuis and Thompson.

Bouchet commented that since the name *Rhinapion* Beguin-Billecocq, 1905 had apparently not been much used since its description a replacement name could have been proposed without upsetting the nomenclature.

Original references

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:


The following is the reference for the designation of *Apion* (*Rhinapion*) pauxillum Beguin-Billecocq, 1905 as the type species of the nominal genus *Rhinapion* Beguin-Billecocq, 1905:  
**Kissinger, D.G.** 1968. *Curculionidae subfamily Apioninae of North and Central America with reviews of the world genera of Apioninae and world subgenera of Apion Herbst (Coleoptera)*, p. 28.
OPINION 1695

Acanthophthalmus van Hasselt in Temminck, 1824 (Osteichthyes, Cypriniformes): not conserved

Ruling

(1) The name Pangio Blyth, 1860 (gender: feminine), type species by monotypy Cobitis cinnamomea McClelland, 1839 (an unnecessary replacement name for C. pangia Hamilton, 1822), is hereby placed on the Official List of Generic Names in Zoology.

(2) The name pangia Hamilton, 1822, as published in the binomen Cobitis pangia (senior objective synonym of the specific name of Cobitis cinnamomea McClelland, 1839, the type species of Pangio Blyth, 1860), is hereby placed on the Official List of Specific Names in Zoology.

(3) The name Acanthophthalmus van Hasselt in Temminck, 1824 is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology (a junior objective synonym of Cobitis Linnaeus, 1758).

History of Case 2738

An application for the conservation of Acanthophthalmus van Hasselt in Temminck, 1824, and the designation of Cobitis kuhlii Valenciennes in Cuvier & Valenciennes, 1846 as the type species, was received from Drs Mary E. Burridge (Royal Ontario Museum, Toronto, Canada), Darrell J. Siebert (The Natural History Museum, London, U.K.) and Carl Ferraris (American Museum of Natural History, New York, U.S.A.) on 30 August 1989. After correspondence the case was published in BZN 47: 118–121 (June 1990). Notice of the case was sent to appropriate journals.

Opposing comments from Drs Peter K.L. Ng, Angus D. Munro & Kelvin K.P. Lim (National University of Singapore, Singapore) and from Dr Maurice Kottelat (Zoologische Staatssammlung, München, Germany) were published in BZN 48: 59–62 (March 1991). A reply by one of the authors of the application, Dr Darrell J. Siebert, was published at the same time (BZN 48: 63–64), together with a comment in support from Drs Harro Hieronimus (Solingen, Germany), Jürgen Schmidt (Kamen, Germany) & Christian P. Steinle (Neuenburg, Germany).

A list of the additional representative references demonstrating usage of the generic name Acanthophthalmus van Hasselt, 1824 was published in BZN 48: 64–65.

Opposing comments from Dr Rohan Pethiyagoda (The Wildlife Heritage Trust of Sri Lanka, Colombo, Sri Lanka) and from Dr Rainer Stawikowski (Gelsenkirchen, Germany) were published in BZN 48: 251–253 (September 1991).

It was noted on the voting paper that an opposing comment had also been received from Prof J.S. Nelson (University of Alberta, Edmonton, Canada), who wrote: ‘I feel that the interests of zoological nomenclature would be best served by staying with Pangio Blyth, 1860 as the name for what have become known as the kuhli loaches’.

It was also noted on the voting paper that until 1987 Cobitis Linnaeus, 1758 and Acanthophthalmus were in long-established use in the sense of having C. taenia Linnaeus, 1758 and C. kuhlii Valenciennes, 1846 as the respective type species, both by designation by Bleeker (1863, pp. 362 and 364). In neither case were these designations formally valid, and in 1986 Dr M. Kottelat applied for the conservation of C. taenia as
the type species of Cobitis (BZN 43: 360–362). This was confirmed in Opinion 1500 (June 1988). Dr Kottelat did not, however, seek to conserve Acanthophthalmus (which formally has C. taenia as the type species; see BZN 47: 118, para. 1), and in 1987 he introduced usage of the junior subjective synonym Pangio Blyth, 1869 (see BZN 47: 119, para. 6) to replace Acanthophthalmus auctt. (i.e. sensu C. kuhlii). This course was followed by many but not all authors.

In a recent publication on Acanthophthalmus kuhlii (Valenciennes, 1846), Burridge (1992, p. 182) designated a neotype for the species: specimen no. RMNH 2688 in the Nationaal Natuurhistorisch Museum, Leiden, The Netherlands, collected by S. Müller in Java between 1826 and 1832 or 1836.

The original application (BZN 47: 118–121) sought the conservation of Acanthophthalmus van Hasselt, 1824 for the kuhli loaches, with the designation of Cobitis kuhlii as the type species and the suppression of the (unused) earliest spelling Acanthophthalmus van Hasselt, 1823 (placed on the Official Index in Opinion 1500 as a junior objective synonym of Cobitis). This course (proposal A) required the use of the plenary powers. The alternative course was to use Pangio Blyth, 1860 (Proposal B; BZN 48: 252); Acanthophthalmus would remain a junior objective synonym of Cobitis.

Additional reference


Decision of the Commission

On 1 March 1992 the members of the Commission were invited to vote. At the close of the voting period on 1 June 1992 the votes were as follows:

Proposal A — 8: Bock, Corliss, Dupuis, Kraus, Savage, Starobogatov, Trjapitzin and Willink.


Ride commented that he considered that the usage of Pangio Blyth, 1860 since 1987 could not be ignored. Kottelat (1987) had made an adequate case (subsequently supported by others) when he introduced the name, and the state of taxonomy in the group was such that its introduction would not affect stability, disturb universality or cause confusion, and its continued use was therefore justified.

Original references

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:


pangia, Cobitis, Hamilton (formerly Buchanan), 1822, An account of the fishes found in the river Ganges and its branches, p. 355.

OPINION 1696

HYDROBATIDAE Mathews, 1912 (1865) (Aves, Procellariiformes): conserved

Ruling

(1) Under the plenary powers:
(a) the name Hydrobata Vieillot, 1816 is hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;
(b) HYDROBATIDAE Degland, 1849 and other family-group names based on Hydrobata Vieillot, 1816 are hereby ruled to to be unavailable because the name of that nominal genus has been suppressed in (1)(a) above.
(2) The name Hydrobates Boie, 1822 (gender: masculine), type species by subsequent designation by Baird, Brewer & Ridgway (1884) Procellaria pelagica Linnaeus, 1758, is hereby placed on the Official List of Generic Names in Zoology.
(3) The name pelagica Linnaeus, 1758, as published in the binomen Procellaria pelagica (specific name of the type species of Hydrobates Boie, 1822), is hereby placed on the Official List of Specific Names in Zoology.
(4) The name HYDROBATIDAE Mathews, 1912 (1865) (type genus Hydrobates Boie, 1822) is hereby placed on the Official List of Family-Group Names in Zoology, with an endorsement that it takes the precedence of the replaced family-group name THALASSIDROMIDAE von Müller, 1865.
(5) The name Hydrobata Vieillot, 1816, as suppressed in (1)(a) above, is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology.
(6) The name HYDROBATIDAE Degland, 1849, ruled in (1)(b) above to be unavailable because the name of the type genus Hydrobata Vieillot, 1816 has been suppressed, is hereby placed on the Official Index of Rejected and Invalid Family-Group Names in Zoology.

History of Case 2024

An application to conserve HYDROBATIDAE Mathews, 1912 (1865) as the family name for the storm petrels was formulated by Mr R.V. Melville (former Secretary to the Commission) and published in BZN 42: 398–400 (December 1985). Mr Melville was considerably assisted in the preparation of the application by the late Dr Eugene Eisenmann (American Museum of Natural History, New York, U.S.A.), by Drs Chr. Jouanin & J.-L. Mougin (Muséum National d'Histoire Naturelle, Paris, France), and subsequently by Dr W.R.P. Bourne (University of Aberdeen, Aberdeen, Scotland) and Dr John Warham (University of Canterbury, Christchurch, New Zealand). Dr Eisenmann supplied a list of 29 major ornithological books in which the family-group name Hydrobatidae had been adopted, demonstrating the world-wide usage of the name. Notice of the case was sent to appropriate journals.

An opposing comment from Dr Storrs L. Olson (National Museum of Natural History, Smithsonian Institution, Washington, D.C., U.S.A.) was published in BZN 44: 44–45 (March 1987). A comment in support from Dr Bourne was published in BZN 45: 221–222 (September 1988). Prof Walter J. Bock (Chairman of the Standing Committee of the International Ornithological Congress (SCON), Columbia University, New York,
U.S.A.) reported on the support for the application following a Congress meeting in December 1990 (published in BZN 48: 158–160; June 1991).

It was noted on the voting paper that further comments in support had been received from Dr Noël Mayaud (École Normale Supérieure, 46 rue d’Ulm, Paris, France) and Dr Warham. The latter gave a list of 13 works using HYDROBATIDAE Mathews for the storm petrels; some of these had been mentioned by Dr Bourne.

The simplified proposals on BZN 48: 160–161 replaced those on BZN 42: 399–400; they differed only in (i) the suppression of the objectively invalid generic name Hydrobata Vieillot, 1816 for the dippers in order to dispose of HYDROBATIDAE Degland, 1849 and (ii) the omission of action concerning Oceanites and Thalassidromae Degland, 1849, and the family-group names OCEANITIDAE Forbes, 1881 and THALASSIDROMIDAE von Müller, 1865, since this was not necessary. As pointed out by Prof Bock (BZN 48: 159, line 5) OCEANITIDAE is available for a subfamily (the long-legged storm petrels).

**Decision of the Commission**

On 1 March 1992 the members of the Commission were invited to vote on the proposals published in BZN 48: 160–161. At the close of the voting period on 1 June 1992 the votes were as follows:

Affirmative votes — 27: Bayer, Bock, Bouchet, Cocks, Cogger, Corliss, Hahn, Halvorsen, Heppell, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Štys, Thompson, Trjapitzin, Úeno, Willink

Negative votes — 2: Dupuis and Holthuis.

**Original references**

The following are the original references to the names placed on Official Lists and Official Indexes by the ruling given in the present Opinion:


The following is the reference for the designation of *Procellaria pelagica* Linnaeus, 1758 as the type species of the nominal genus *Hydrobates* Boie, 1822:

INSTRUCTIONS TO AUTHORS

The following notes are primarily for those preparing applications to the Commission; other authors should comply with the relevant sections. Applications should be prepared in the format of recent parts of the Bulletin; the Commission’s Secretariat reserves the right to return applications not so prepared.

Text. Typed in double spacing, this should consist of numbered paragraphs setting out the details of the case and leading to a final paragraph of formal proposals. Text references should give dates and page numbers in parentheses, e.g. 'Daudin (1800, p. 39) described ...'. The Abstract will be prepared by the Secretariat.

References. These should be given for all authors cited. The title of periodicals should be in full and be underlined; numbers of volumes, parts, etc. should be in arabic figures, separated by a colon from page numbers. Book titles should be underlined and followed by the number of pages, the publisher and place of publication.

Submission of Application. Two copies should be sent to: The Executive Secretary, the International Commission on Zoological Nomenclature, c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K. It would help to reduce the time that it takes to process the large number of applications received if the typescript could be accompanied by a disk with copy in ASCII text in IBM PC format. It would also be helpful if applications were accompanied by photocopies of relevant pages of the main references where this is possible.

Applicants would be well advised to discuss their cases with other workers in the same field before submitting applications, so that they are aware of any wider implications and the likely reactions of other zoologists.
On the proposed suppression of the generic names Acrydium and Acridium, and on the conservation of Psophus Fieber, 1853 (Insecta, Orthoptera). P. K. Tubbs


On the proposed conservation of the generic name Helophorus Fabricius, 1775 (Insecta, Coleoptera) as the correct original spelling. A. Smetana; G. N. Foster; A. F. Newton, Jr.; J. A. Owen; P. J. Spangler; D. T. Bilton; H. Silfverberg.

On the proposed conservation of Schizopus Le Conte, 1858 (Insecta, Coleoptera). L. B. Holthuis; V. Mahnert.

On the proposed conservation of the specific names of Cynolebias opalescens and C. splendens, both of Myers (1942) (Osteichthyes, Cyprinodontiformes). A. Gentry

On the proposed conservation of the specific name of Anniella pulchra Gray, 1852 and designation of a neotype (Reptilia, Squamata). M. R. Jennings; R. G. Sprackland; H. Griffith; R. G. Zweifel

Rulings of the Commission

Opinion 1689. Epizoanthus Gray, 1867 (Cnidaria, Anthozoa): conserved

Opinion 1690. Helix (Helicigona) barbata Férussac, 1832 (currently Lindholmiola barbata; Mollusca, Gastropoda): lectotype designation confirmed

Opinion 1691. Polygyra Say, 1818 (Mollusca, Gastropoda): Polygyra septemvolva Say, 1818 designated as the type species, and POLYGYRIDAE Pilsbry, 1895 given precedence over MESODONTIDAE Tryon, 1866

Opinion 1692. Phylloodoce Lamarck, 1818 and Polyodontes de Blainville, 1828 (Annelida, Polychaeta): conserved

Opinion 1693. Coccinella undecimnotata Schneider, [1792] (currently Hippodamia (Semiadalia) undecimnotata; Insecta, Coleoptera): specific name conserved

Opinion 1694. Rhinapion Beguin-Billecocq, 1905 (Insecta, Coleoptera): conserved

Opinion 1695. Acanthophthalmus van Hasselt in Temminck, 1824 (Osteichthyes, Cypriniformes): not conserved

Opinion 1696. HYDROBATIDAE Mathews, 1912 (1865) (Aves, Procellariiformes): conserved

Instructions to Authors
## Applications

**Zanclea costata** Gegenbaur, 1856 (Cnidaria, Hydrozoa): proposed conservation of both generic and specific names. D. R. Calder

**Gebia major capensis** Krauss, 1843 (currently *Upogebia capensis*; Crustacea, Decapoda): proposed replacement of neotype, so conserving usage of *capensis* and also that of *G. africana* Ortmann, 1894 (currently *Upogebia africana*). N. Ngoc-Ho & G. C. B. Poore

**Podisus** Herrich-Schaeffer, 1851 (Insecta, Heteroptera): proposed conservation of *P. vittipennis* Herrich-Schaeffer, 1851 as the type species. D. B. Thomas & W. R. Dolling

**Anthribidae** Billberg, 1820 (Insecta, Coleoptera): proposed precedence over **Choragidae** Kirby, 1819. H. Silfverberg

**Catocala connubialis** Guéneé, 1852 (Insecta, Lepidoptera): proposed conservation of the specific name. L. F. Gall.

**Metoquina** Foerster, 1868 (Insecta, Hymenoptera), **Metoconis** Raffray, 1904 (Insecta, Coleoptera), and **Metoconis** Townsend, 1908 (Insecta, Diptera): proposed removal of homonymy. M. K. Thayer, A. F. Newton & T. Pape.

**Acamptopoeum** Cockerell, 1905 (Insecta, Hymenoptera): proposed designation of *Acamptopoeum submetallicum* Spinola, 1851 as the type species. L. Ruiz.

**Cynolebias opalescens** Myers, 1942 and **Cynolebias splendens** Myers, 1942 (Osteichthyes, Cyprinodontiformes): proposed conservation of the specific names. C. J. Ferraris, Jr. & K. J. Lazara.

**Filimanus** Myers, 1936 (Osteichthyes, Perciformes): proposed designation of *Filimanus perplexa* Feltes, 1991 as the type species. R. M. Feltes.


**Megophrys montana** Kuhl & van Hasselt, 1822 (Amphibia, Anura): proposed placement of both the generic and specific names on Official Lists, and **Leptobrachium parvum** Boulenger, 1893 (currently *Megophrys parva*): proposed conservation of the specific name. A. Dubois.

**Anisolepis grilli** Boulenger, 1891 (Reptilia, Squamata): proposed conservation of the specific name. R. Etheridge & E. E. Williams

## Comments


On the proposal to remove the homonymy between **Clavigidae** McCrady, 1859 (Cnidaria, Hydrozoa) and **Clavinae** Casey, 1904 (Mollusca, Gastropoda). J. K. Tucker; D. R. Calder, L. D. Stephens & A. E. Sanders

On the proposed conservation of some generic names first proposed in *Histoire abrégée des insectes qui se trouvent aux environs de Paris* (Geoffroy, 1762). L. B. Holthuis; H. Silfverberg; P. K. Tubbs.


*Continued on Inside Back Cover*
The Bulletin of Zoological Nomenclature
THE BULLETIN OF ZOOLOGICAL NOMENCLATURE

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International Commission on Zoological Nomenclature,
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Notices

(a) Invitation to comment. The Commission is authorised to vote on applications published in the Bulletin of Zoological Nomenclature six months after their publication but this period is normally extended to enable comments to be submitted. Any zoologist who wishes to comment on any of the applications is invited to send his contribution to the Executive Secretary of the Commission as quickly as possible.

(b) Invitation to contribute general articles. At present the Bulletin comprises mainly applications concerning names of particular animals or groups of animals, resulting comments and the Commission’s eventual rulings (Opinions). Proposed amendments to the Code are also published for discussion.

Articles or notes of a more general nature are actively welcomed provided that they raise nomenclatural issues, although they may well deal with taxonomic matters for illustrative purposes. It should be the aim of such contributions to interest an audience wider than some small group of specialists.

(c) Receipt of new applications. The following new applications have been received since going to press for volume 49, part 3 (published on 30 September 1992). Under Article 80 of the Code, existing usage is to be maintained until the ruling of the Commission is published.


3. Hydrophoria Robineau-Desvoidy, 1830 (Insecta, Diptera): proposed designation of Musca lancifer Harris, 1780 as the type species. (Case 2858). G.C.D. Griffiths.


The European Association for Zoological Nomenclature

The European Association for Zoological Nomenclature has recently been established to facilitate liaison between European zoologists and the Commission, and to support the Commission’s work. Members will receive a yearly Newsletter with information on the activities of the Association and Commission, and will be able to buy the Code and the Official Lists and Indexes at substantial discounts.

The Association’s President is Dr V. Mahnert (Switzerland), the Vice-President Dr I.M. Kerzhner (Russia), the Secretary Dr E. Macpherson (Spain) and the Treasurer Dr M.A. Alonso-Zarazaga (Spain). Other members of the Inaugural Council are Dr H.M. André (Belgium), Dr J.-P. Hugot (France), Prof A. Minelli (Italy) and Dr C. Nielsen (Denmark). Membership of the Association is open to all European zoologists; further details can be obtained from Dr M.A. Alonso-Zarazaga, Museo Nacional de Ciencias Naturales, José Gutiérrez Abascal 2, 28006 Madrid, Spain.

The International Code of Zoological Nomenclature

The Third Edition (published 1985) supersedes all earlier versions and incorporates many changes.

Copies may be ordered from I.T.Z.N., c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K. or A.A.N.Z., c/o NHB Stop 163, National Museum of Natural History, Washington D.C. 20560, U.S.A. The cost is £19 or $35, but members of the American Association for Zoological Nomenclature or the European Association for Zoological Nomenclature are offered the reduced price of £15 or $29; payment should accompany orders.

Official Lists and Indexes of Names and Works in Zoology — Second Supplement to 1990

The Official Lists and Indexes of Names and Works in Zoology was published in 1987. This book gives details of all the names and works on which the Commission has ruled since it was set up in 1895; there are about 9,900 entries.

Copies can be ordered from I.T.Z.N., c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K. or A.A.Z.N., c/o NHB Stop 163, National Museum of Natural History, Washington, D.C. 20560, U.S.A. The cost is £60 or $110, but members of the American Association for Zoological Nomenclature or the European Association for Zoological Nomenclature are offered the reduced price of £40 or $75; payment should accompany orders.

In the five years 1986–1990, 946 names and five works were added to the Official Lists and Official Indexes. A supplement has been prepared giving these additional entries,
together with some amendments and updatings to entries in the 1987 volume. Copies can be obtained without charge from either of the above addresses.

**Bulletin of Zoological Nomenclature — Crustacea and Mollusca Offprints**

The International Trust for Zoological Nomenclature is offering a subscription for individual zoologists wishing to receive offprints of all cases in particular disciplines. For an annual payment of £15 or $25 subscribers will receive copies of all Applications, Comments and Opinions relating to either the Crustacea or Mollusca as soon as they are published in the *Bulletin of Zoological Nomenclature*. Offprints are available back to 1980.

Orders for offprints relating to either the Crustacea or the Mollusca should be sent to I.T.Z.N., c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K., with payment at the rate of £15 or $25 for each year requested.

**Bulletin of Zoological Nomenclature — Back Copies**

Back copies of all the volumes of the *Bulletin*, and of most volumes of the *Opinions and Declarations* that were published concurrently with vols. 1–16 of the *Bulletin*, are still available. Prices on application to I.T.Z.N., c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K.
International Trust for Zoological Nomenclature


Unfortunately 1991 was a year of decreasing income and increasing costs, the result of which was that the Trust made a loss of £8,112 for the year. This is nearly 13% of the income for the year, and is a large increase on the deficit of £1,324 (2% of the income) for the previous year.

Nearly half the Trust’s income came from sales of publications. The Bulletin of Zoological Nomenclature yielded an income of £25,482, an increase of £1,585 on the previous year. The International Code of Zoological Nomenclature and the Official Lists and Indexes produced £3,100 (down by £1,722), giving a total income from publications of £28,582, a small decrease of £137. Income from grants remained at £9,000, but the amounts received from donations (£14,348) and investment interest (£11,424) were down by £1,244 and £802 respectively. The total income for the year was £63,552, a decrease of £2,320 from 1990.

The main expenditure of the Trust in 1991 was £57,791 for salaries and National Insurance of the Secretariat of the International Commission on Zoological Nomenclature; the increase of £7,404 was mainly because one full-time post had been vacant for much of the previous year. Printing and distribution of the Bulletin and postage on sale of other publications amounted to £9,422. General expenses (£3,463), audit fee (£650) and depreciation of office equipment (£338) brought the total expenditure for the year to £71,664, an increase of £4,468.

During the current depressed financial climate and lower rates of interest it is difficult for the Trust’s income to keep up with the annual increase in costs. Subscription rates for the Bulletin are adjusted annually to cover higher costs, but, unless grants and donations are to increase annually in a similar proportion, it is difficult to see how the Trust’s work can continue at its present level. The size of the deficit for 1991 and the prospect for 1992 have been a cause for immediate concern, and necessitate retrenchment.

The Commission’s Secretariat was again housed in the Natural History Museum, London, whom we thank for their continuing support. The Trust wishes to express its thanks to all the donors listed at the end of this report who supported its work during the year.

M.K. HOWARTH
Secretary and Managing Director
4 June 1992

List of donations and grants received during the year 1991

Academia Sinica, Taiwan £105
R. Alvarado £20
Agricultural and Food Research Council, U.K. £2,000
American Association for Zoological Nomenclature £6,107
W. Ansell £4
Australian Museums £463
British Ecological Society £500
Freshwater Biological Association, U.K. £5
German Zoological Society £155
Medical Research Council, U.K. £2,000
| Natural Environment Research Council, U.K. | £2,000 |
| Royal Danish Academy of Sciences and Letters | £98 |
| Royal Entomological Society of London | £300 |
| Royal Society of London | £1,000 |
| Science and Engineering Research Council, U.K. | £2,000 |
| South African Foundation for Research Development | £500 |

Natural Environment Research Council, U.K. £2,000
Royal Danish Academy of Sciences and Letters £98
Royal Entomological Society of London £300
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Swedish National Science Research Council £1,000
Swiss National Science Foundation £2,000
Unione Zoologica Italiana £224
U.S.S.R. Academy of Sciences £477
Zoological Societies of Japan £590

Total £23,348

**INTERNATIONAL TRUST FOR ZOOLOGICAL NOMENCLATURE**
**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31 DECEMBER 1991**

**Income**

<table>
<thead>
<tr>
<th>Sale of Publications</th>
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<tr>
<td>Bulletin of Zoological Nomenclature</td>
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<tr>
<td>International Code of Zoological Nomenclature</td>
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<tr>
<td>Official Lists and Indexes</td>
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</tbody>
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GRANTS, DONATIONS AND COVENANTS 23,546
BANK AND INVESTMENT INTEREST 11,424

**Expenditure**

| Salaries and National Insurance | 57,791 |
| Office Expenses | 3,463 |
| Audit Fee | 650 |
| Printing and Distribution of Publications | 9,422 |
| Depreciation of Office Equipment | 338 |

**Total Expenditure** 71,664

Deficit for the year 8,112
Case 2833

Tortaxis Pilsbry, 1906 and Allopeas Baker, 1935 (Mollusca, Gastropoda): proposed conservation by the designation of a neotype for Achatina erecta Benson, 1842

Fred Naggs
Department of Zoology, The Natural History Museum, Cromwell Road, London SW7 5BD, U.K.

Abstract. The purpose of this application is to conserve the usage of the subulinid land snail generic names Tortaxis Pilsbry, 1906 and Allopeas Baker, 1935, and that of the specific name of Achatina erecta Benson, 1842. When establishing Tortaxis Pilsbry designated Achatina erecta as the type species but he was accepting a misinterpretation of this species and in fact dealing with Spiraxis mandarinus Pfeiffer, 1855 (originally included as a nominal species but since synonymized with 'A. erecta'). The syntypes of Achatina erecta Benson are specimens of Bulimus gracilis Hutton, 1834, the type species of Allopeas. It is proposed that usage be maintained by designating a neotype for A. erecta in the established sense.

1. The subulinid land snail Achatina erecta Benson, 1842 (p. 487) was briefly described, without figures, from a collection made by T. Cantor in coastal areas of south-east China. Four specimens from the type series are held in the collections of the Zoological Survey of India, Calcutta (registration number M2262 4/4).

2. Reeve (1849, pl. 16, fig. 69) redescribed and figured 'Achatina erecta' based on five rather bleached shells in the H. Cuming collection, collected by Largilliert from Nanking (Nan-ching), now in the collections of the Natural History Museum, London (registration number 1991104). A. erecta Benson has been accepted by all subsequent workers in the sense of Reeve (for example Pilsbry, 1906, pp. 7–8, pl. 2, figs. 24–26; Yen, 1939, p. 110, pl. 11, fig. 2; Brandt, 1980, p. 107).

3. Tortaxis Pilsbry, 1906 (p. 5) was established with the original designation of A. erecta Benson, 1842 as the type species. Pilsbry mentioned Reeve (1849) when citing A. erecta but did not recognise that the species dealt with by Benson and by Reeve were different, although he noted that Benson's description was 'very incomplete'.

4. Having examined the Calcutta type series of Achatina erecta Benson I have identified them as large individuals of Bulimus gracilis Hutton, 1834 (p. 93), a widespread synanthropic species, 11 syntypes of which are in the Natural History Museum, London (registration number 1856.9.15.68). B. gracilis is the type species of Allopeas Baker, 1935 (p. 84), published as a subgenus of Lamellaxis Strebel & Pfeffer, 1882 (p. 109) but which I consider should be given generic rank. The syntypes of Achatina erecta are in general agreement with Benson's description but differ in several respects from 'Achatina erecta' as described and illustrated by Reeve (1849). Two very distinct species are represented: A. erecta sensu Reeve does not belong to Lamellaxis or to Allopeas but to Tortaxis as described by Pilsbry and as it has since been understood.
5. It is apparent that *Tortaxis* Pilsbry, 1906 was based upon a misidentified type species and the case is referred to the Commission under Article 70b of the Code. It also follows from para. 4 that under the provisions of the Code *Tortaxis* is a senior subjective synonym of *Allopeas* Baker, 1935, although such a synonymy does not result from Pilsbry's or any subsequent treatment of *Tortaxis*.

6. I consider *Spiraxis mandarina* (correctly *mandarinus*) Pfeiffer, 1855 (p. 9), one of the several nominal species originally placed in *Tortaxis*, to be synonymous with *Achatina erecta* sensu Reeve (1849) and later authors. Pfeiffer had noted that *S. mandarinus* was 'allied to *Achatina erecta*, Bens., which is also a *Spiraxis*'. Three syntypes of *S. mandarinus* are in the Natural History Museum, London (registration number 1987034. H. Cuming collection, locality 'China'); they are specimens of *A. erecta* Benson' as used by and since Reeve (for example in references in para. 7 below). The name *mandarinus* has not been in recent use.


8. The type species of *Tortaxis* has always been given, correctly, as *Achatina erecta* Benson, 1842 but this name has been used in the taxonomic sense of *Spiraxis mandarinus* Pfeiffer, 1855, as mentioned in para. 6. The usages of *Tortaxis* Pilsbry, 1906, *T. erectus* (Benson, 1842) and *Allopeas* Baker, 1935 would all be conserved by the designation of one of the specimens of *A. erecta* seen by Reeve (1849) (see para. 2 above) as the neotype of *Achatina erecta* Benson, 1842. I propose that the specimen now labelled 1991104A (height 21.6 mm, width 6.8 mm and 7.4 whorls) be designated as the neotype of *A. erecta*.

9. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to set aside all previous fixations of type specimens for the nominal species *Achatina erecta* Benson, 1842 and to designate as neotype the specimen 1991104A in the Natural History Museum, London, mentioned in paras. 2 and 8 above;

(2) to place on the Official List of Generic Names in Zoology the following names:
(a) *Tortaxis* Pilsbry, 1906 (gender: masculine), type species by original designation *Achatina erecta* Benson, 1842;
(b) *Allopeas* Baker, 1935 (gender: neuter), type species by original designation *Bulimus gracilis* Hutton, 1834;

(3) to place on the Official List of Specific Names in Zoology the following names:
(a) *erecta* Benson, 1842, as published in the binomen *Achatina erecta* (specific name of the type species of *Tortaxis* Pilsbry, 1906), and as defined by the neotype designated in (1) above;
(b) *gracilis* Hutton, 1834, as published in the binomen *Bulimus gracilis* (specific name of the type species of *Allopeas* Baker, 1935).

References


Case 2845

_Taningia danae_ Joubin, 1931 (Mollusca, Cephalopoda): proposed precedence over _Taningia persica_ (Naef, 1923)

Michael Vecchione  

Clyde F.E. Roper  
_Department of Invertebrate Zoology, National Museum of Natural History, Smithsonian Institution, Washington, D.C. 20560, U.S.A._

Abstract. The purpose of this application is to conserve the usage of the specific name of _Taningia danae_ Joubin, 1931, a cosmopolitan large deep-sea squid which is a major food of sperm whales. A small paralarval specimen originally named as _Octopodoteuthis persica_ Naef, 1923 certainly belongs to _Taningia_ and probably to the only recognized species, _T. danae_; the name _persica_ never has been used as valid.

1. The deep-sea squid _Taningia danae_ was described by Joubin (1931, p. 181) based on a single small specimen (68 mm total length, about 40 mm mantle length) from the tropical eastern Atlantic. The species is almost cosmopolitan, and the total length may be over 2 m; most large specimens have been recovered from the stomachs of sperm whales (Roper & Vecchione, in press). While Joubin recognized the new species as belonging to the 'Octopodoteuthidae' (correctly OCTOPOTEUTHIDAE, but usually spelled OCTOPOTEUTHIDAE), he felt that the pair of large photophores on the tips of arms II were so distinctive as to warrant the erection of the new genus _Taningia_. The description and illustrations are quite detailed and comprehensive, and the holotype is deposited in the Zoologisk Museum, Copenhagen, where it has been examined by one of us (C.F.E.R.).

2. Some specimens reported as _Cuciooteuthis unguiculata_ (Molina, 1782) are most probably _Taningia danae_. Molina (p. 199) described his _Sepia unguiculata_ from a 'cuttlefish' taken off Chile in 1769 on Cook's first voyage, and based it on Cook's description and a preserved arm. This nominal species was made the type of a genus _Cuciooteuthus_ (later emended to _Cuciooteuthis_) by Steenstrup (1882, p. 153). All descriptions and illustrations of _C. unguiculata_ lack any clear indication of the photophores at the arm tips which are characteristic of _T. danae_, and some reports may easily relate to large specimens of _Octopodoteuthis_ species. Specific and even generic identification of ' _Cuciooteuthis unguiculata_ ' cannot be made, and its names (which have not been used for many years) are best left as nomina dubia.

3. A nomenclatural problem exists from a name applied to a paralarval specimen. Chun (1910, p. 144) described a paralarva of 4.7 mm mantle length from the Gulf of Aden as the larva of an _Octopodoteuthis_ (= _Octopoteuthis_ Rüppell, 1844) species. He
stated that the arms bore only suckers and that especially noteworthy were the knoblike swellings at the tips of arms II. His figures (pl. 17, figs. 1, 2 and 10) clearly show these swellings, which are undoubtedly precursors of the photophores characteristic of *Taningia*.

4. Naef (1923, p. 337) recognized this as a species distinct from the known *Octopodoteuthis*, and erected the name *O. persica* based on Chun's description and figures. No additional specimens have been assigned to *O. persica* and we have been able to find only four mentions of the name. Clarke (1966, p. 187) noted that *O. persica* was based on a larval form and speculated that it might prove synonymous with *O. sicula*. Young (1972, p. 41) stated: 'The specimen shows distinct swellings near the tips of arms II and extremely broad fins. Both features are strongly suggestive of the genus *Taningia*, and I think it safe to transfer this species from *Octopoteuthis* to *Taningia*'. In effect Young proposed the new combination *Taningia persica* (Naef, 1923) but he was misquoted by Clarke (1980, p. 162) and Stephen (1985, p. 110). Clarke stated that 'Young may be correct in considering that *O. persica* is probably a young *Taningia danae*', while Stephen said that Young 'considered *Octopoteuthis persica* and *O. indica* to be nomina dubia because their small size precluded accurate identification. He also believed that *O. persica* was really the young of *Taningia danae...'.

5. An extensive review of specimens and literature (Roper & Vecchione, in press) leads us to conclude that *Taningia* should remain monospecific. Because *O. persica* clearly belongs to *Taningia*, the name *persica* Naef, 1923 has priority over *danae* Joubin, 1931. However, *persica* never has been used as valid, whereas *danae* is widely and continuously used (e.g. Clarke, 1967, 1980, 1983; Zeidler, 1981; Roper, Sweeney & Clarke, 1985; Nesis, 1987; Okutani & Tsukada, 1988; Fiscus, Rice & Wolman, 1989. The Commission Secretariat has a list of 29 further references). Consequently, we feel that *danae* should have precedence over *persica*; because *T. persica* is based on a single paralarval specimen the possibility remains that it represents a distinct species, and if this is verified in the future the name could then be used.

6. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to rule that the name *danae* Joubin, 1931, as published in the binomen *Taningia danae*, is to be given precedence over the name *persica* Naef, 1923, as published in the binomen *Octopodoteuthis persica*, whenever the two names are considered to be synonyms;

(2) to place on the Official List of Generic Names in Zoology the name *Taningia* Joubin, 1931 (gender: feminine), type species by monotypy *Taningia danae* Joubin, 1931;

(3) to place on the Official List of Specific Names in Zoology the following names:

(a) *danae* Joubin, 1931, as published in the binomen *Taningia danae* (specific name of the type species of *Taningia* Joubin, 1931), with the endorsement that it is to be given precedence over the name *persica* Naef, 1923, as published in the binomen *Octopodoteuthis persica*, whenever the two names are considered to be synonyms;

(b) *persica* Naef, 1923, as published in the binomen *Octopodoteuthis persica*, with the endorsement that it is not to be given priority over the name *danae* Joubin, 1931, as published in the binomen *Taningia danae*, whenever the two names are considered to be synonyms.
References


Young, R.E. 1972. The systematics and areal distribution of pelagic cephalopods from the seas off southern California. Smithsonian Contributions to Zoology, 97: 1–159.

Case 2787

**Styloptocuma Băcescu & Muradian, 1974 (Crustacea, Cumacea): proposed conservation with designation of S. antipai Băcescu & Muradian, 1974 as the type species**

L.B. Holthuis

*Nationaal Natuurhistorisch Museum, P.O. Box 9517, 2300 RA Leiden, The Netherlands*

Abstract. The purpose of this application is to conserve the name of the cumacean genus *Styloptocuma Băcescu & Muradian, 1974* by deeming that the type species was originally designated as *Styloptocuma antipai* Băcescu & Muradian, 1974. The name *Styloptocuma* was not made available in 1974 since Băcescu & Muradian omitted to designate a type species. Availability at present dates from publication of the name in *Zoological Record* (1979) with citation of a type species.

1. Băcescu & Muradian (1974, p. 74) described a new genus of Cumacea which they named *Styloptocuma*, with three included species none of which was stated to be the type species. One species was new and the other two were *Cumella gracillima* Calman, 1905 and *Cumella egregia* Hansen, 1920. The name of the new species was given as 'Styloptocuma antipai n.g.n.sp.' on pp. 71 and 76 and in the explanation of pl. 1. Under Article 68b(i) of the Code the formula ‘n.g.n.sp.’ does not constitute a type species designation for a genus established after 1930. To be available a genus-group name published after 1930 must 'be accompanied by the fixation of a type species... by original designation or by indication' (Article 13b). It follows that *Styloptocuma* Băcescu & Muradian, 1974 is not an available name.

2. *Styloptocuma* was first made available in 1979 in *Zoological Record* (vol. 111, section 10, p. 182) in the systematic index dealing with the Cumacea, where the type species of *Styloptocuma* was cited as *S. antipai* with reference to the paper by Băcescu & Muradian (1974). Authorship of this section of *Zoological Record* (and hence of the genus *Styloptocuma*) is attributed to H. Gwynne Vevers and 39 other staff of *Zoological Record* who are all named on p. iii of the publication.

3. In *Crustaceorum Catalogus* (Băcescu, 1992) 11 species are assigned to *Styloptocuma*, which is invariably attributed to Băcescu & Muradian (1974). The 1974 description is clear, the authors give a key to the three species known to them at that time, and the new species *Styloptocuma antipai* is extensively figured and described. To attribute authorship of *Styloptocuma* to Vevers and 39 others would be contrary to usage over the 18 years since Băcescu & Muradian’s paper, would not be generally acceptable to cumacean workers and would indeed be absurd.

4. The International Commission on Zoological Nomenclature is accordingly asked: (1) to use its plenary powers to rule that the type species of *Styloptocuma* Băcescu & Muradian, 1974 is deemed to be *Styloptocuma antipai* Băcescu & Muradian, 1974 by original designation;
(2) to place on the Official List of Generic Names in Zoology the name *Styloptocuma* Băcescu & Muradian, 1974 (gender: neuter), type species by original designation *Styloptocuma antipai* Băcescu & Muradian, 1974 as ruled in (1) above;

(3) to place on the Official List of Specific Names in Zoology the name *antipai* Băcescu & Muradian, 1974, as published in the binomen *Styloptocuma antipai* Băcescu & Muradian, 1974 (specific name of the type species of *Styloptocuma* Băcescu & Muradian, 1974).

References

Case 2825

_Pachyrhynchus_ Germar, 1824, _Somatodes_ Schönherr, 1840 and the specific name of _Pachyrhynchus moniliferus_ Germar, 1824 (Insecta, Coleoptera): proposed conservation

R.T. Thompson
c/o Department of Entomology, The Natural History Museum, Cromwell Road, London SW7 5BD, U.K.

Abstract. The purpose of this application is to conserve the names _Pachyrhynchus_ Germar, 1824 and _Somatodes_ Schönherr, 1840 for two genera of weevils (Curculionidae) occurring in southeast Asia and South Africa respectively. Both names are threatened by the long-overlooked name _Somatodes_ Schönherr, 1823 which is a senior subjective synonym of _Pachyrhynchus_ and a senior homonym of _Somatodes_ Schönherr, 1840. The conservation is also proposed of _P. moniliferus_ Germar, 1824, the type species of _Pachyrhynchus_.

1. Schönherr's (1823) synoptic table of weevils includes (col. 1139) a family-group Somatodides, comprising two 'cohorts'. The nominate cohort contains a single genus and species, _Somatodes sanctus_, and is defined with the words 'Thorax pone oculos non lobatus'. Under Article 12b of the Code the generic and specific names are both available, as also is the family-group name Somatodides.

2. In 1826 (pp. 9, 91) Schönherr adopted the name _Pachyrhynchus_ Germar, 1824 (p. 336) in place of his 1823 Somatodes and (p. 88) introduced the family-group name Pachyrhynchides in place of Somatodides. In 1833 (p. 513) he listed _S. sanctus_ as a synonym of _P. moniliferus_ Germar, 1824 (p. 336), the only species originally included in _Pachyrhynchus_, and adopted _P. moniliferus_.

3. In 1840 Schönherr (p. 800) re-introduced the name _Somatodes_, with a single species _Somatodes misumenus_ Gyllenhal in Schönherr, 1840 (p. 801), for a quite different group of weevils. This generic name and the family-group name based upon it, Somatodinae Lacordaire, 1863 (p. 319), have remained in use ever since (e.g. Péringuey, 1885 (p. 141), 1908 (p. 321); Hesse, 1928 (p. 132). Coleopterorum Catalogus (Schenkling & Marshall, 1931) lists four genera and 10 species in the Somatodinae).

4. _Somatodes_ Schönherr, 1823 has never been used since Schönherr's adoption in 1826 of _Pachyrhynchus_. However, it is still an available name and threatens both _Pachyrhynchus_ Germar, 1824 (of which it is a senior subjective synonym) and _Somatodes_ Schönherr, 1840 (of which it is a senior homonym). In consequence, Somatodini Schönherr, 1823 is a senior subjective synonym of Pachyrhynchini Schönherr, 1826 (p. 88). The Somatodinae Lacordaire, 1863 are a small and obscure group of South African weevils, whereas the _Pachyrhynchini_ are an important southeast Asian group which includes the well-known 'Easter egg weevils' of the Philippines and some important pests of cacao in Papua New Guinea. The names _Pachyrhynchini_ Schönherr, 1826 and _Pachyrhynchus_ Germar, 1824 were conserved by the suppression of the bird name _Pachyrhynchus_ Wagler, 1822 and, together with _P. moniliferus_...
Germar, 1824, placed on relevant Official Lists in Opinion 928 (August 1970). However, if a name placed on an Official List is a synonym of another available name the principle of priority applies unless the Commission rules otherwise (Article 78f(iv)).

5. The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary powers to suppress the following names:

(a) the generic name *Somatodes* Schöngherr, 1823, and all uses of *Somatodes* prior to the publication of *Somatodes* Schöngherr, 1840, for the purposes of both the Principle of Priority and the Principle of Homonymy;

(b) the specific name *sanctus* Schöngherr, 1823, as published in the binomen *Somatodes sanctus*, for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;

(2) to place on the Official List of Generic Names in Zoology the name *Somatodes* Schöngherr, 1840 (gender: masculine), type species by monotypy *Somatodes misumenus* Gyllenhal in Schöngherr, 1840;

(3) to place on the Official List of Specific Names in Zoology the name *misumenus* Gyllenhal in Schöngherr, 1840, as published in the binomen *Somatodes misumenus* (specific name of the type species of *Somatodes* Schöngherr, 1840);

(4) to place on the Official List of Family-Group Names in Zoology the name *somatodinae* Lacordaire, 1863 (type genus *Somatodes* Schöngherr, 1840);

(5) to place on the Official Index of Rejected and Invalid Generic Names in Zoology the name *Somatodes* Schöngherr, 1823, as suppressed in (1)(a) above;

(6) to place on the Official Index of Rejected and Invalid Specific Names in Zoology the name *sanctus* Schöngherr, 1823, as published in the binomen *Somatodes sanctus* and as suppressed in (1)(b) above;

(7) to place on the Official Index of Rejected and Invalid Family-Group Names in Zoology the name *somatodini* Schöngherr, 1823 (type genus *Somatodes* Schöngherr, 1823) (unavailable because the name of its type genus has been suppressed).

Acknowledgement

I wish to thank Dr M.A. Alonso-Zarazaga of the Museo Nacional de Ciencias Naturales, Madrid, Spain, for drawing this matter to my attention.

References


Case 2808

Cliola (Hybopsis) topeka Gilbert, 1884 (currently Notropis topeka; Osteichthyes, Cypriniformes): proposed conservation of the specific name

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Abstract. The purpose of this application is to conserve the specific name of Notropis topeka (Gilbert, 1884) which is in universal usage for the Topeka shiner, a freshwater fish of north-central North America (family Cyprinidae). It is threatened by the unused senior subjective synonym Moniana tristis Girard, 1857.

1. Girard (1857) described many new species of Cyprinidae and Catostomidae, mostly collected by naturalists and medical personnel attached to the early western railway and boundary surveys. His descriptions were often inadequate and the type series composite and, unfortunately, much of the type material has subsequently been lost (see Gilbert, 1978, pp. 5–6). More complete descriptions and illustrations for most species published in two subsequent papers (Girard, 1858, 1859), together with the work of Jordan (1885) and others, has allowed the status of most nominal species to be ascertained. However, the identity of a few species has remained problematic.

2. The name Moniana tristis Girard, 1857 (p. 201) has been rarely, if ever, used and has been unassignable to any taxon for a number of reasons: the original description was vague enough to be applicable to more than one species and there was no illustration; the type material has not been relocated (two of the five syntypes, listed by Girard, 1858, p. 278 and originally in the U.S. National Museum, Washington, have recently been found but three are still missing); the type locality is uncertain and the collection date questionable. Neither of Girard’s descriptive accounts of this species (1857, 1858) indicated a locality of capture; Girard (1858, p. 278) cited a ‘Mr Kreuzfeld’ as having collected the syntypes in ‘1854’, in apparent reference to Dr Creutzfeldt (a botanist associated with the Gunnison expedition that passed through parts of Colorado, Kansas, New Mexico and Utah in 1853) who however died in October 1853 (see Mayden, 1987, p. 791). The taxon was recorded by Gilbert (1978, p. 84) as ‘not definitely identifiable’.

3. Dr C.L. Hubbs examined a single specimen (catalogue no. 1793) in the type collection at the Museum of Comparative Zoology, Harvard, and identified it as Moniana tristis Girard, 1857. Mayden (1987, pp. 790–791) considered the specimen to be one of Girard’s original syntypes and identifiable as a juvenile of Notropis umbratilis (Girard, 1857) (p. 193). Since the specimen appeared to be the only surviving syntype and since the names tristis and umbratilis were published in the same work, Mayden recommended that Moniana tristis ‘be considered a junior synonym, in part, of Notropis umbratilis’. He also concluded that ‘it is probable that the original five specimens in the syntypic collection represented more than one species’.
4. Dr C.R. Gilbert subsequently discovered a second syntype of *Moniana tristis* amongst the type material of North American fishes in the Muséum National d’Histoire Naturelle in Paris (see Mayden & Gilbert, 1989, p. 1087, fig. 1). The specimen (catalogue no. MNHN 427) is compatible with Girard’s description but is unquestionably assignable to the species currently known as *Notropis topeka* (C.H. Gilbert, 1884). Mayden & Gilbert designated this second specimen as the lectotype of *M. tristis* Girard and placed *topeka* in the synonymy of *tristis* on the grounds that Girard’s (1858) redescription better fits *topeka* than *umbratilis*. They adopted the senior name (i.e. *tristis* Girard, 1857). We believe this action created nomenclatural instability. Placing the name *tristis* as a junior synonym of *umbratilis*, as initially proposed by Mayden (1987), would have disposed of *tristis* whilst maintaining the stability of *topeka*. We also believe that the locality data and date of collection given by Mayden (1987, pp. 790–791) and Mayden & Gilbert (1989, p. 1088) are speculative (see para. 2 above).

5. The name *Cliola (Hybopsis) topeka* Gilbert, 1884 (p. 13) was based on three specimens from Shunganunga Creek, a tributary of the Kansas River. One specimen (catalogue no. 36609 in the U.S. National Museum) was subsequently (C.H. Gilbert, 1885, p. 513) mentioned as the ‘type specimen’. This is not unambiguously a lectotype designation and may simply refer to its being a syntype, as accepted by C.R. Gilbert (1978, pp. 9, 84). The latter recorded further original material in the National Museum and in the Museum of Comparative Zoology, Harvard. The name, as *Notropis topeka* (Gilbert, 1884), has been used consistently during this century for the fish called the Topeka shiner from north-central North America. The name has appeared in all major checklists (Robins et al., 1980, p. 25 and earlier editions; Lee et al., 1980, p. 317) and in all the current field guides for the states in which it occurs: Iowa (Bailey, 1956, p. 333); Kansas (Cross, 1967, p. 128; Cross & Collins, 1957, p. 71); Minnesota (Phillips, Schmid & Underhill, 1982, p. 140); Missouri (Pflieger, 1971, p. 360; 1975, p. 161, fig. 55b (p. 121)); Nebraska (Morris, Morris & Witt, 1972, p. 89); South Dakota (Bailey & Allum, 1962, p. 68; Owen, Elsen & Russell, 1981, p. 159). The latest edition of the checklist by Robins et al. (1991, p. 23) retains the name *Notropis topeka*, with a comment (p. 77) referring to Mayden & Gilbert (1989) and the present application (justifying retention of *topeka* under Article 80 of the Code). To maintain stability in the usage of *topeka* we propose that the doubtful name *tristis* Girard, 1857, unused until 1989, be suppressed.

6. The International Commission on Zoological Nomenclature is accordingly asked:
   (1) to use its plenary powers to suppress the name *tristis* Girard, 1857, as published in the binomen *Moniana tristis*, for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;
   (2) to place on the Official List of Specific Names in Zoology the name *topeka* Gilbert, 1884, as published in the binomen *Cliola (Hybopsis) topeka*;
   (3) to place on the Official Index of Rejected and Invalid Names in Zoology the name *tristis* Girard, 1857, as published in the binomen *Moniana tristis* and as suppressed in (1) above.

References


Case 2834

*Mugil curema* and *M. liza* Valenciennes in Cuvier & Valenciennes, 1836 (Osteichthyes, Perciformes): proposed conservation of the specific names

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Abstract. The purpose of this application is to conserve the specific names of *Mugil curema* and *M. liza*, both of Valenciennes in Cuvier & Valenciennes (1836) (family MUGILIDAE). The name *curema* is threatened by two senior subjective synonyms, *M. brasiliensis* Spix in Spix & Agassiz, 1831 and *M. gaimardianus* Desmarest, 1831, but it is in use for the Atlantic white mullet, a species which is widely distributed in the Gulf of Mexico, the Caribbean and the Atlantic coast of North and South America, and the coast of West Africa. The name *liza* refers to the liza mullet which occurs along coasts from Bermuda and the southern tip of Florida to Natal, Brazil; this name is threatened by *brasiliensis*. Both species are of considerable economic importance.

1. The identity of the nominal species *Mugil brasiliensis* Spix in Spix & Agassiz, 1831 (p. 134, pl. 72) has remained problematic. The species was described with ‘Pinna dorsali posteriore, caudali et anali squamulis minutissimis obtectis’, and the anal fin was stated to have 14 rays. Agassiz listed his material as two spirit specimens and a larger, dried specimen in the Zoologische Staatsammlung, Munich. Jordan & Swain (1884, p. 269) quoted a report by Dr Spaugenberg, then curator of the museum, that a dried fish in the collections was the basis of Spix’s figure; they identified it as a specimen of *Mugil trichodon* Poey, 1875 (p. 66, pl. 8, figs. 4–8), a species with densely scaled soft dorsal and anal fins and eight anal fin rays. The spirit specimens were thought to represent two further, distinct species. Jordan (1887, p. 571) listed *brasiliensis* with *Mugil liza* Valenciennes, 1836 (p. 83) cited as a synonym. Subsequently, Jordan & Evermann (1896, p. 810) placed *brasiliensis* in the section of their key to species distinguished by ‘soft dorsal and anal fins almost naked’ and eight anal fin rays (or rarely seven), with *M. liza* as one of its synonyms. This usage was adopted by Schultz (1949, p. 114) and others (see Thomson, 1964, p. 7). On the other hand, Günther (1861, p. 431) adopted the name for a species with scaly dorsal and anal fins and considered *M. curema* Valenciennes, 1836 (p. 87), which has nine anal fin rays, to be a synonym. This was followed by Poey (1875, p. 61) and others (see Thomson, 1964, p. 7). Since the identity of the taxon was
uncertain and the type material no longer extant (see para. 3 below), Trewavas (1950) recommended that the name brasilienis should not be used; this was followed by Carvajal Rojas (1972, p. 18) who adopted the names curema and liza. Thomson (1964, p. 6) listed brasilienis as a species inquirenda.

2. Alvarez-Lajonchere (1975) recognised that the description (by Agassiz) and the drawing (by Spix) of Mugil brasilienis in the original work present several characters in which it resembles M. liza and others that suggest M. curema; he also pointed out that there are inconsistencies between the description and drawing, and between these and the characters found in the genus Mugil and family MUGILIDAE. Poey (1875, p. 63) had previously noted the imperfection of the drawing. Alvarez-Lajonchere (1975) considered brasilienis to be a nomen dubium and we consider that nomenclatural stability would be best served by suppressing the name.

3. Agassiz’s (1831) original specimens of Mugil brasilienis (see para. 1 above), formerly housed in the Munich museum, are believed to have been destroyed by bombing in 1944. Four alcohol-preserved specimens reputedly from Spix’s collection were rediscovered in the Neuchâtel Museum, Switzerland, by Dr M. Kottelat, who listed (Kottelat, 1988, p. 84) two of them as putative syntypes. The four specimens have now been examined by one of us (G.J.H.) and colleagues Drs I.J. Harrison and C. Dufour, who found that three specimens represent a Liza species and one Mugil cf. hospes. The fact that the genus Liza Jordan & Swain, 1884 does not occur in American waters casts considerable doubt on their being Spix’s specimens. Kottelat noted that Agassiz arranged exchanges of material with other workers and it is possible that these specimens, which have no documentation, derive from some other source.

4. The name Mugil gaimardianus Desmarest, 1831 (pl. 109) was based on an illustration of a specimen from Cuba. The plate has long been recognised as inadequate, Valenciennes (1836, p. 88) noting simply that the colour was too brown and too uniform. Poey (1875, p. 64, pl. 8, figs. 1–3) provided the first description of a taxon under this name and this has been cited, together with Desmarest’s drawing, in subsequent references to the species. However, Poey’s description of a Cuban mullet with a narrower lip than his ‘M. brasilienis’ and other features suggest that he may have been referring to M. incilis Hancock, 1830 (see Alvarez-Lajonchere, 1976). Poey (1866, p. 332) considered under one species the names brasilienis, curema and gaimardianus, remarking that the last had priority; later (1875, p. 61) he tentatively included gaimardianus and curema in the synonymy of brasilienis. Jordan & Evermann (1896, pp. 814–815) gave another description which clearly corresponds to M. curema Valenciennes, as Rivas (1949a) pointed out. For this reason Rivas (1949b) did not include gaimardianus among the species found in Florida waters. Mefford (1955), followed by Robins (1958), Broadhead (1958) and Bullis, Roe & Gatlin (1972, p. 44), listed gaimardianus as distinct from curema. Other authors, for example Meek & Hildebrand (1923, p. 279), have placed the name gaimardianus (1831) in the synonymy of curema (1836), inappropriately in view of the dates.

5. Alvarez-Lajonchere (1975) pointed out that from the body form of the fish Desmarest’s (1831) drawing could be identified as either M. curema Valenciennes or M. trichodon Poey, 1875, but that there are inconsistencies between the figure and the characters found in these species. The numbers of pelvic and anal fin rays portrayed are not found in the genus Mugil, while features shown in the ventral fin do not occur in the MUGILIDAE.
6. Desmarest (1831) did not mention the existence of original material for his new species. Poey (1875) referred to a specimen classified by Desmarest at the Jardin des Plantes, Paris, but this has not been found. Although there are no specimens from Cuba among the syntypes of *M. curema* there is one labelled ‘Cuba-Desmarest’ (catalogue number MNHN A3613 in the Muséum National d’Histoire Naturelle, Paris) among the syntypes of *M. petrosus* Valenciennes, 1836. One of us (E.T.) has identified this specimen as *curema*. Since Desmarest mentioned no other mullet from Cuba it is possible that this is the holotype of *gaimardianus*, but this cannot be proved. Accepting it as a specimen of *curema* can do no more than support the usual synonymising of *petrosus* with *curema*. In the absence of type material the name *Mugil gaimardianus* Desmarest can only be applied to a species in which the individuals show the same characteristics as Desmarest’s published drawing. We consider the name to be a nomen dubium since it is impossible to apply it with certainty to any taxon of the species group. For the sake of stability in the nomenclature we propose that the name be suppressed.

7. The name *Mugil curema* Valenciennes, 1836 was proposed for a South American species. The syntypes in the Muséum National d’Histoire Naturelle, Paris (catalogue nos. MNHN A3653, A4641, A4655 and A4671) leave no doubt as to the identity of the taxon. In describing *curema*, Valenciennes (p. 88) stated that he was certain that *brasiliensis* and *gaimardianus* referred to the same species: ‘nous n’hésitons pas à lui rapporter le *mugil brasiliensis* de Spix’ and ‘c’est cette espèce que M. Desmarest a fait représenter dans la Dictionnaire classique d’histoire naturelle sous le nom de *mugil Gaimardianus*’. Valenciennes’s (1836) syntypes of *M. liza* are in good condition in the Muséum National d’Histoire Naturelle; it is apparent that more than one species is represented but *M. liza* as currently understood is a well-recognised and documented species (see Thomson, 1964, p. 47).

8. The names *Mugil curema* and *M. liza* are in use for the white and liza mullets of South America. Both names appear in the checklist of Robins et al. (1980, p. 49), a number of identification guides (see, for example, Guitart, 1975, pp. 309, 310, 313, figs. 236, 239; Thomson, 1977; and Menezes, 1983, pp. 3–5, figs. 5, 7) and in the literature on fish farming (Oren, 1981). A list of a further 21 references demonstrating usage of the names is held by the Commission Secretariat.

9. The International Commission on Zoological Nomenclature is accordingly asked:

1. to use its plenary powers to suppress the following specific names for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:
   (a) *brasiliensis* Spix & Agassiz, 1831, as published in the binomen *Mugil brasiliensis*;
   (b) *gaimardianus* Desmarest, 1831, as published in the binomen *Mugil gaimardianus*;

2. to place on the Official List of Specific Names in Zoology the following names:
   (a) *curema* Valenciennes in Cuvier & Valenciennes, 1836, as published in the binomen *Mugil curema*;
   (b) *liza* Valenciennes in Cuvier & Valenciennes, 1836, as published in the binomen *Mugil liza*;

3. to place on the Official Index of Rejected and Invalid Specific Names in Zoology the following names:
   (a) *brasiliensis* Spix in Spix & Agassiz, 1831, as published in the binomen *Mugil brasiliensis* and as suppressed in (1)(a) above;
(b) *gaimardianus* Desmarest, 1831, as published in the binomen *Mugil gaimardianus* and as suppressed in (1)(b) above.

References


Case 2840

Coelurus bauri Cope, 1887 (currently Coelophysis bauri; Reptilia, Saurischia): proposed replacement of the lectotype by a neotype

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Abstract. The purpose of this application is to propose a neotype for the well-known Triassic dinosaur Coelurus bauri Cope, 1887, the type species of Coelophysis Cope, 1889. Hunt & Lucas (1991) have suggested that Cope’s name is a nomen dubium because of the fragmentary nature of the original type material; they erected a new nominal taxon Rioarribasaurus colberti Hunt & Lucas, 1991. This action is unnecessary and confusing. Extraordinarily abundant remains of this dinosaur are known from the general locality and the horizon where Cope’s specimens were found. It is proposed that a complete skeleton, the holotype of R. colberti, be designated as the neotype of Coelurus bauri Cope, 1887 thereby rendering C. bauri a senior objective synonym of R. colberti and providing a much more informative type specimen.

1. Cope (1887a, p. 368) named two dinosaur species, Coelurus bauri and C. longicollis, based upon fragmentary fossils collected by David Baldwin in 1881 from Upper Triassic sediments at two localities in northern New Mexico (Rio Arriba County),
namely Arroyo Seco near its confluence with the Chama River and near Cerro Blanco. No holotypes were designated and there were no illustrations. Cope subsequently (1887b, pp. 221–227) transferred the two nominal species to the genus Tanystropheus and added a new species, T. willistoni.

2. In 1889 Cope (p. 626) established the new genus Coelophysis for the three species he had described, but none was designated as the type species. Cope’s specimens (isolated fragmentary skeletal elements with no skull bones or teeth) and species were redescribed by von Huene (1915, pp. 500–507), who provided the first illustrations. American Museum of Natural History numbers were given to 38 specimens by von Huene; several were listed as ‘types’ of each of the three species but this action has no validity under the Code.

3. Hay (1930, p. 186) designated Coelophysis bauri as the type species of the genus. Welles (1984, pp. 159–160) selected as ‘lectotype’ for C. bauri a fragmentary ilium (specimen AMNH 2708) from among the Cope fossils. This designation is however invalid: the specimen had been placed by Cope (1887b) in Coelurus longicollis and was assigned to C. bauri only by von Huene (1915).

4. In 1947 a prolific deposit of Triassic dinosaur skeletons was discovered at Ghost Ranch, New Mexico, by a party from the American Museum of Natural History (Colbert, 1947, pp. 392–399). Blocks of fossil bones were obtained composed almost entirely of dinosaur skeletons, identified by Colbert (1947) as C. bauri. The quarry from which they were recovered is probably within 2 km of the Arroyo Seco locality from which Baldwin had collected many of the fossils described by Cope (see para. 1) and is approximately at the same stratigraphic level (in Baldwin’s words ‘four hundred feet below gypsum stratum’; see also Schwartz & Gillette, in press). Additional collections from this quarry were made by several museums in 1948, 1981, 1982 and 1985, and particularly important cooperative excavations were made in 1981 and 1982 by the Carnegie Museum, the New Mexico Natural History Museum, the Museum of Northern Arizona, and the Peabody Museum of Yale University.

5. For the better part of a century the generic name Coelophysis has been widely used as representing an ancestral theropod dinosaur. Since 1948 this usage has been based on full knowledge of the skeleton as exemplified by the numerous complete specimens from the Ghost Ranch quarry.

6. Padian (1986, pp. 45–60) reviewed Cope’s material, listing the 38 specimens figured by von Huene (see para. 2) and seven further original specimens. In an extensive review Colbert (1989) included these and about 100 subsequently excavated specimens (which represent only a fraction of those now prepared or being prepared) from six major North American museums and concluded that all the Coelophysis specimens are properly included in the single species C. bauri, of which they represent various ontogenetic stages. Colbert (p. 33), at that time unaware of the invalid selection by Welles mentioned in para. 3, designated specimen AMNH 2722, a series of four sacral vertebrae, as the lectotype of Coelurus bauri Cope, 1887.

7. Rowe & Gauthier (1990, pp. 152–153, 165–168) presented a study of theropods that identifies an early radiation of forms that these authors termed Ceratosauria. They explicitly, and independently of Colbert (1989), accepted Coelophysis bauri as the proper name for the Ghost Ranch material and used the characters in this material for their analyses. This is consistent with the historical usage of the name and illustrates the importance of this taxon to the understanding of the evolution of Theropoda.
8. Hunt & Lucas (1991, p. 191) erected a new nominal taxon, *Rioarribasaurus colberti*, for the fossils from the Ghost Ranch Quarry, claiming that *Coelophysis bauri* (Cope, 1887) is a nomen dubium. This action was based on their contention that the lectotype designated by Colbert (see para. 6) is not diagnostic; they correctly pointed out that the earlier selection by Welles was invalid. Hunt & Lucas maintained that the Ghost Ranch quarry is at a different horizon from that of the sediments from which Baldwin had collected the fossils for Cope, an argument strongly disputed by Schwartz & Gillette (in press; see also para. 4 above). The establishment of new generic and specific names is unnecessary because individual bones from Ghost Ranch are obviously identical to corresponding elements in the Cope fossils. Hunt & Lucas did not dispute the synonymy of *C. bauri* (as always understood) and *R. colberti* so their name should not be used as valid.

9. The name *Coelophysis bauri* is more than 100 years old and is solidly entrenched in the literature, both technical and popular. *C. bauri* is now known from many hundred specimens of which a large proportion consists of articulated skeletons. It has been designated as the official State Fossil of New Mexico and it is the logo of the New Mexico Museum of Natural History.

10. Although the specimen designated by Colbert (1989; see para. 6) as the lectotype of *C. bauri* is in our opinion undoubtedly conspecific with the complete articulated skeleton (AMNH 7224 in the American Museum of Natural History) which is the holotype of *Rioarribasaurus colberti*, it is desirable to make the synonymy of the two nominal species objective and to have a much more informative type specimen of *C. bauri*. None of Cope’s original material is suitable for the latter purpose. We therefore propose that specimen AMNH 7224 be designated the neotype of *C. bauri*, thereby rendering *bauri* a senior objective synonym of *R. colberti*. The generic names *Coelurus* and *Rioarribasaurus* also become objective synonyms.

11. The International Commission on Zoological Nomenclature is accordingly asked:

1. to use its plenary powers to set aside all previous fixations of type specimens for the nominal species *Coelurus bauri* Cope, 1887;
2. to designate the articulated skeleton AMNH 7224 in the American Museum of Natural History as the neotype of the nominal species *Coelurus bauri* Cope, 1887;
3. to place on the Official List of Generic Names in Zoology the name *Coelophysis* Cope, 1889 (gender: feminine), type species by subsequent designation by Hay (1930) *Coelurus bauri* Cope, 1887;
4. to place on the Official List of Specific Names in Zoology the name *bauri* Cope, 1887, as published in the binomen *Coelurus bauri* and as defined by the neotype designated in (2) above (specific name of the type species of *Coelophysis* Cope, 1889);
5. to place on the Official Index of Rejected and Invalid Generic Names in Zoology the name *Rioarribasaurus* Hunt & Lucas, 1991 (a junior objective synonym of *Coelophysis* Cope, 1889);
6. to place on the Official Index of Rejected and Invalid Specific Names in Zoology the name *colberti* Hunt & Lucas, 1991, as published in the binomen *Rioarribasaurus colberti* (a junior objective synonym of *Coelurus bauri* Cope, 1887).
References


Case 2857

*Scelidosaurus harrisonii* Owen, 1861 (Reptilia, Ornithischia): proposed replacement of inappropriate lectotype

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**Abstract.** The purpose of this application is to conserve the use of the name *Scelidosaurus harrisonii* Owen, 1861 for the ornithischian dinosaur to which it is invariably applied. The existing lectotype, misguidedly designated by Lydekker (1888), is a mere fragment now known to represent a bipedal theropod dinosaur phylogenetically remote from *Scelidosaurus* Owen, 1859 (type species *S. harrisonii*) as generally envisaged. A new lectotype is proposed, a nearly complete skeleton (presently a paralectotype) in the Natural History Museum, London, on which the concept of *Scelidosaurus* has always been based.

1. Owen (1859), in an article on 'Palaeontology' in the *Encyclopaedia Britannica*, introduced (p. 150) the generic name *Scelidosaurus* in the following terms: 'Genus *SCELIDOSAURUS*, Ow. — By this name is indicated a Saurian with large and hollow limb-bones, with a femur having the third inner trochanter, and with metacarpal and phalangial [sic] bones, adapted for movement on land. The fossils occur in the lias at Charmouth, Dorsetshire'. No specific name was mentioned. This description, which was repeated in 1860 (p. 258), applies also to other dinosaur genera known at that time and in consequence does not differentiate *Scelidosaurus* from those genera; nevertheless, it satisfies the criteria of availability, and *Scelidosaurus* Owen, 1859 should be cited with that date of publication. This contrasts with the views of authors such as Newman (1968, p. 40), who, acting on the incorrect advice of Charig, gave 1861 (see para. 2 below) as the date of first valid publication of the name *Scelidosaurus* and listed *Scelidosaurus* Owen, 1859 as a nomen nudum.

2. In 1861 Owen (p. 1) established the new species *Scelidosaurus harrisonii* on the incomplete remains of five fossil reptiles, all stated to have come from the upper part of the Lower Liassic in the vicinity of Charmouth; the material was described as fully as its only partly developed state would permit and it was well illustrated. Owen did not designate a holotype, and the type series therefore consisted of five syntypes. *S. harrisonii* is the type species of the genus by subsequent monotypy.

3. The most informative syntype in the series was a nearly complete skull and lower jaw (pp. 7–14), lacking only the tip of the snout, and crudely developed to some degree
with hammer and chisel. The other syntypes were a femur (pp. 2–3); a knee-joint (pp. 3–4); an ungual phalanx (p. 5); and (pp. 5–7) remains which, according to Owen, ‘most probably formed part of a very young or foetal Scelidosaurus’.

4. A postcranial skeleton belonging to the same individual as the skull was recovered shortly afterwards; this, like the skull itself, was prepared according to the techniques then in use and was described as fully as possible by Owen (1863). At that time the skull and skeleton (presently no. R.1111 in the Palaeontology Department of the Natural History Museum, London) together represented the most complete individual dinosaur ever found in Britain; that may still be true today, 129 years later. It is upon this unique individual and this alone that our present concept of Scelidosaurus rests. We propose the designation of this specimen as the replacement lectotype of Scelidosaurus harrisonii.

5. Another specimen (BM(NH) Pal. Dept. no. 39496) in Owen’s 1861 material was the isolated knee-joint (i.e. the distal end of the femur in articulation with the proximal ends of the tibia and fibula), as mentioned in para. 3. Lydekker (1888, p. 182) described it thus: ‘The adjacent extremities of the right femur, tibia and fibula, cemented together by matrix, of a large individual; from Charmouth. The type; figured by Owen, op. cit. pt. i., pl. ii, figs. 1–3’. The surprising fact that Lydekker really did consider this specimen to be the type is made clear by his Catalogue entry (p. 181) for R.1111, which states: ‘This specimen indicates an individual much smaller than the type [39496], its total length being about 11 feet 3 inches’. Lydekker’s reasons for choosing the knee-joint as ‘the type’ are unknown (as noted above, it was far from being the best of Owen’s syntypic series, nor was it the first specimen mentioned in his published description); it may have been because of the larger size of the original animal, or he may simply have made a mistake. Intentional or not, his action constitutes designation of a lectotype under Article 74a of the Code; the knee-joint is thus the lectotype of S. harrisonii, and Owen’s four other syntypes (including R.1111) are paralectotypes.

6. Woodward & Sherborn (1890) followed Lydekker in his mistaken belief (or unexplained action); their stated practice (p. xxii) was to indicate ‘the type specimen of each accepted species... in square brackets after the record of the locality’, which in this case they gave (p. 283) as ‘[Right femur, tibia, and fibula; Brit. Mus.]’.

7. Eighty years after Lydekker’s designation of the knee-joint as the lectotype it was discovered by Newman (1968) that this specimen, developed out of the rock by acetic acid (pl. 7, fig. 2), was derived from an entirely different type of animal — a bipedal theropod dinosaur rather than an ornithischian. The consequences of this revised identification are as follows: (a) Scelidosaurus Owen, 1859 is a junior subjective synonym of Megalosaurus Buckland, 1824; (b) S. harrisonii may be a synonym of M. bucklandi von Meyer, 1832, the type species of Megalosaurus; and (c) the ornithischian dinosaur always known as S. harrisonii has no available name.

8. Much of the anatomy of specimen R.1111 remains undescribed, for it was still encased in hard limestone in Owen’s time; indeed, some elements (such as the pubis and ischium) were completely hidden and their presence could only be surmised. During the nineteen-sixties, however, the senior author (A.J.C.) instigated the complete chemical development and redescription of the specimen, and most of the missing elements were subsequently revealed in a generally excellent state of preservation; the development is now almost finished, with only one block still requiring treatment. When the osteology of Scelidosaurus is eventually published it will be better known than that of almost any
other dinosaur, and considerably better than that of many extant reptiles. It was upon fossil vertebrates from the Lower Lias of Lyme Regis and Charmouth that the techniques of acid preparation were first worked out (Toombs, 1948; Rixon, 1949; Toombs & Rixon, 1959), and R.1111 — in particular its skull — is the supreme example of a superbly preserved specimen prepared by those techniques.

9. In recent years new material of the genus has been discovered in southern England. One such find is the so-called ‘small Scelidosaurus’ or ‘juvenile Scelidosaurus’ BM(NH) Pal. Dept. no. R.6704 (referred to in Rixon, 1968; Charig, 1972 (pp. 123, 138–140); Thulborn, 1977; Charig, in preparation); another is a specimen of the neck region (a part of the animal that is mostly lacking in R.1111) acquired by the Natural History Museum, London, from the Japanese dealer Ryoichi Ebisawa; a third specimen is in the Bristol City Museum. A closely related genus (Emausaurus Haubold, 1990) has been described from the Upper Lias (Lower Toarcian) of northern Germany.

10. It was upon the ‘small Scelidosaurus’ that the discovery was made (Charig, 1972, pp. 123–124) that the ornithischian pubis — the most characteristic feature of that order — was primitively without a properly developed anterior ramus. This confirmed the belief that the posterior ramus represents the true pubis, rotated backwards.

11. Scelidosaurus is an important and much discussed genus, as shown by the following:

1) at the time of its discovery and original description specimen R.1111 was not only one of the most complete dinosaur skeletons known but also represented a dinosaur quite unlike any other found previously (or indeed since, apart from a few very close relatives found all much less complete in rocks of similar age);

2) until Broom (1911) described Geranosaurus, Scelidosaurus was the geologically oldest ornithischian dinosaur known;

3) Scelidosaurus remains at the centre of the controversies surrounding the origin and early radiation of the Ornithischia, the relationships between the major subdivisions of the Thyreophora, and the vexed question of whether or not the quadrupedal ornithischians were primarily or secondarily quadrupedal;

4) it is the type genus of the family SCELIDOSAURIDAE Huxley, 1869 (Cope was actually the first to use the family name, in a two-part lecture read in September 1868 and April 1869 but not published until December 1871; see p. 91 of that work), and is also the basis of the higher taxon Scelidosauria of some authors;

5) Scelidosaurus appears not only in esoteric articles: it is often mentioned and illustrated in popular works (indeed, models of the restored animal can be bought in museum shops), and it is therefore not unknown to the general public.

12. In view of the above it is highly desirable that the accepted nomenclature, as used at present by everyone, should be conserved. The International Commission on Zoological Nomenclature is accordingly asked:

1) to use its plenary powers to set aside all previous designations of a lectotype of Scelidosaurus harrisonii Owen, 1861;

2) to confirm the designation in para. 4 above of the skull and skeleton BM(NH) Pal. Dept. no. R.1111 in the Natural History Museum, London, as the replacement lectotype;

3) to place on the Official List of Generic Names in Zoology the name Scelidosaurus Owen, 1859 (gender: masculine), type species by subsequent monotypy Scelidosaurus harrisonii Owen, 1861;
(4) to place on the Official List of Specific Names in Zoology the name *harrisonii* Owen, 1861, as published in the binomen *Scelidosaurus harrisonii* and as defined by the lectotype confirmed in (2) above (specific name of the type species of *Scelidosaurus* Owen, 1859).

References


Case 2814

*Pseudoxyrhopus* Günther, 1881 (Reptilia, Serpentes): proposed conservation

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Abstract. The purpose of this application is to conserve the generic name *Pseudoxyrhopus* Günther, 1881. The name is in current universal usage for a genus of snakes from Madagascar but was originally published as an unnecessary replacement for *Homalocephalus* Jan, 1863, which has not been used for over 100 years.

1. The generic name *Homalocephalus* Jan, 1863a (p. 286) was proposed for the single new species *H. heterurus* Jan, 1863. The name was used by the author in two later publications (Jan, 1863b, p. 52; Jan & Sordelli, 1866, pl. 4, fig. 2) but has appeared in only two other publications in the primary literature (Boettger, 1877, p. 32; Hoffmann, 1886, p. 1679).

2. The taxonomic genus to which Jan (1863) applied the name *Homalocephalus* is valid and has been recognized as such consistently. Günther (1881, p. 359), however, proposed a replacement name, *Pseudoxyrhopus*, explaining that ‘Jan described under the name *Homalocephalus* a genus of Colubrine Snakes from Madagascar... whilst admitting the snake described by him as the type of a distinct genus, I am compelled to change the name, which is preoccupied in Entomology’. Günther did not mention the insect name but it seems likely that he was referring to *Homalocephala* Zetterstedt, 1838 (col. 749) in the Diptera; there is no name *Homalocephalus* other than Jan’s (1863). Hoge (1958, p. 51) recorded *Pseudoxyrhopus* as a ‘nomen novum pro *Homalocephalus* Jan 1863, non Zetterstedt 1838’. Williams & Wallach (1989, p. 125) noted that *Pseudoxyrhopus* was a ‘substitute name for *Homalocephalus* Jan; erroneously believed to be preoccupied by *Homalocephala* Zetterstedt (1838) Diptera’. They also noted that the name *Pseudoxyrhopus* ‘needs conservation’. The 1985 Code (as well as previous
editions) states (Article 56b) that genus-group names differing by one letter are not to be regarded as homonyms.

3. Günther (1881) established the new name microps for a second species of Pseudoxyrhopus; this was erroneously cited as the type species of the genus by Welch (1982, p. 182). Under Article 67h Homalocephalus heterurus Jan, 1863 is the type species of both Homalocephalus and Pseudoxyrhopus.

4. Compliance with the principle of priority would require the use of the senior name Homalocephalus Jan, 1863. However, with the single exception of Hoffmann (1886), Pseudoxyrhopus Günther, 1881 has consistently been used in all works in which the genus has been regarded as distinct. There are eight nominal species in the genus, all endemic to Madagascar (see Brygoo, 1983, pp. 37, 55). An additional species, Xenodon punctatus Peters, 1880, included in the genus by Boulenger (1890, p. 314), Guibé (1959, pp. 227–228) and Welch (1982, p. 182), has been shown (Hoge, 1958, pp. 49–52) to belong in the unrelated genus Sordellina Procter, 1923 from Brazil.

5. A cursory review of the literature reveals that Pseudoxyrhopus Günther, 1881 has been used as valid in at least 34 works by 30 authors since it was proposed. Recent authors include Bellairs (1969, p. 540), Blanc (1971, pp. 122, 126), Brygoo (1987, pp. 9, 12), Domergue (1969, pp. 16, 17, 20), McDowell (1987, p. 37), Romer (1956, p. 58) and Underwood (1967). A list of a further 20 references, additional to those cited in the course of this application, is held by the Commission Secretariat. Pseudoxyrhopus is the type genus of the family-group (tribe or subfamily) PSEUDOXYRHOPINAE Dowling, 1975 (p. 169) which includes nine genera (Dowling, 1986). The family-group name has appeared in further publications (Smith, Smith & Sawin, 1977, p. 118 and Dowling, Highton, Maha & Maxson, 1983, p. 323).

6. The International Commission on Zoological Nomenclature is accordingly asked:

1. to use its plenary powers to suppress the generic name Homalocephalus Jan, 1863 for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;
2. to place on the Official List of Generic Names in Zoology the name Pseudoxyrhopus Günther, 1881 (gender: masculine), type species by monotypy of the replaced nominal genus Homalocephalus Jan, 1863, Homalocephalus heterurus Jan, 1863;
3. to place on the Official List of Specific Names in Zoology the name heterurus Jan, 1863, as published in the binomen Homalocephalus heterurus (specific name of the type species of Pseudoxyrhopus Günther, 1881);
4. to place on the Official Index of Rejected and Invalid Generic Names in Zoology the name Homalocephalus Jan, 1863, as suppressed in (1) above.

References


Comments on the date of publication of John McCrady’s hydrozoan paper

Gymnophthalmata of Charleston Harbor

(1) Dale R: Calder
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In an application (BZN 48: 192–195) by Cernohorsky, Cornelius & Sysoev to remove the homonymy between Clavidae McCrady, 1859 (Hydrozoa) and Clavinae Casey, 1904 (Mollusca) the uncertain dating of McCrady’s paper in which the name was published was briefly discussed. The matter is of nomenclatural relevance because the dates of two classic papers on Hydrozoa published by McCrady in the same journal, in which approximately 40 new names were established, have been variously cited as 1856, 1857, 1858 or 1859.

McCrady’s paper Gymnophthalmata of Charleston Harbor is a key work in the taxonomy of hydroids and hydromedusae. Besides Clavidae, new names for three other families, nine genera and 28 species were published, many of which are valid today (see Stephens & Calder, 1992, pp. 44, 45). The date on the cover of vol. 1 of the Proceedings of the Elliott Society of Natural History of Charleston, South Carolina, in which McCrady’s paper appeared, is given as 1859. Cernohorsky et al. provisionally adopted 1859 as the date but they referred (para. 3) to unspecified evidence indicating that parts of the Proceedings were published piecemeal before their eventual inclusion in the completed volume. Evidence indicates that vol. 1 of the Proceedings was indeed published in parts, between 1856 and 1859, but we have concluded that the number including McCrady’s Charleston Harbor paper did not appear until 1859. The date of McCrady’s work (1859) given in the application is therefore correct.

The first number of vol. 1 of the Proceedings was published no later than 6 June 1856. A meeting of the Elliott Society on that date recorded (Proceedings, 1: 30; 1859): ‘the Secretary reported the first number of the proceedings as published, and distributed to members, correspondents, and many learned Societies, both in Europe and America’.

The Proceedings of the Boston Society of Natural History (5: 400; 1856) recorded under ‘Books received during the quarter ending June 31 (sic), 1856... Proceedings of the Elliott Society No. 1, 8vo, pp. 1–24’. Thus, Number 1 contained pages 1–24 and covered the proceedings from 1 November 1853 to 24 July 1855.

The Proceedings of the Elliott Society does not mention the publication of Number 2. However, listed among ‘Books received during the quarter ending Dec. 31, 1856’ in the Proceedings of the Boston Society of Natural History (6: 95; 1857) was ‘Proceedings of the Elliott Society, pp. 25–46. 8vo. Pamph.’. Number 2 therefore contained pages 25–46 and covered the proceedings from 18 January 1856 to 30 July 1856.
Several records exist pertaining to the publication of Number 3. The *Proceedings of the Academy of Natural Sciences of Philadelphia* (9: Appendix, ix; 1858) reported that on ‘Sept. 15th 1857’ the Academy received the ‘Proceedings of the Elliott Society, pp. 49–104’. Number 3 thus contained pages 49–104 and included proceedings from 14 November 1856 to 1 April 1857. It incorporated (pp. 55–90, pls. 4–7) a detailed account of the well known hydrozoan *Turritopsis nutricula* McCrady, 1857 (see Calder, 1988, pp. 8–10, figs. 5, 6; Stephens & Calder, 1992, p. 42).

It is not clear whether the Elliott Society intended to publish a fourth number before issuing a complete first volume. We are not aware that it did so. At the meeting of 2 August 1858 the Corresponding Secretary read a letter (dated 24 July) from William Sharswood in Philadelphia saying ‘the fourth part of the proceedings has not been received, if published’ (*Proceedings*, 1: 288; 1859). By the spring of 1859 the entire first volume was published. A local newspaper, the *Charleston Mercury*, reported on 16 May 1859 that as of 11 May ‘the first volume of the Proceedings is now complete, and... all numbers after the third can be obtained at Russell & Jones’, King-Street’ (see Stephens & Calder, 1992, p. 50). The volume as published contained 294 pages of text, a seven-page index and 14 plates. It included proceedings from 1 November 1853 to 15 December 1858. We conclude that the final material (pp. 103–294), which included McCrady’s paper *Gymnopthalmata of Charleston Harbor* (pp. 103–221), was published no later than 11 May 1859.

The date of 1859 differs from that (1857) previously given for the publication of McCrady’s paper (Stephens & Calder, 1992, pp. 44, 50, 53). However, the later date is supported by footnotes, dated June 1858, added by McCrady to pp. 105 and 125 of his paper. The first referred to ‘the delay which has unavoidably attended the publication of this paper’, which had been presented orally to the Society in spring 1857.

**Acknowledgement**
We thank P.F.S. Cornelius, London, for his review of an early draft of this comment.

**References**


(2) Anthea Gentry

**Secretariat, International Commission on Zoological Nomenclature**

McCrady’s Charleston Harbor paper was presented to members of the Elliott Society at a meeting on 15 April 1857. My findings from a British journal corroborate those of Calder et al. that the main portion of this paper (pp. 105–221, pls. 8–12) did not appear until 1859, but there is evidence that the first two pages (pp. 103, 104) of the work were published in 1857. No new names were included in the first two pages.
The Linnean Society of London was one organisation to which pre-1859 publications of the Elliott Society were sent. The register of ‘Presents made to the Linnean Society 17 February 1852 – 6 November 1861’ records the receipt of the proceedings of the Elliott Society, including ‘sheets 7–11. 1856–57. 8vo’ on 5 November 1857. Examination of the (1859) published vol. 1 of the Proceedings shows that signatures (or ‘sheets’) 7–11 comprise pp. 49–104; this was the part received by the Academy of Natural Sciences of Philadelphia on 15 September 1857 (see preceding comment). It is apparent that the first two pages (pp. 103, 104) of McCrady’s paper appeared in 1857, although publication of the remainder was delayed until 1859. This is borne out by the two footnotes (pp. 105, 125), dated June 1858, deploring the delay. A reprint of McCrady’s paper (pages renumbered 1–119; the index, pp. i–iii, cites the renumbered pagination) bears a third footnote (p. 2), also dated June 1858: ‘The second page of this paper was published in the Proceedings of the Elliott Society of Natural History, in 1857. Unforeseen circumstances having retarded the publication of that Journal since the appearance of this second page, I have been enabled to introduce into this Monograph several new genera and species, discovered since that time [1857], as well as to make some important alterations in the text from comparatively recent information. This will account for the small number of genera [14] and species [19] here mentioned [p. 2], in comparison to the actual number which follows’.

Reference


Comment on the proposed confirmation of unavailability of the name Fusus Helbling, 1779 (Mollusca, Gastropoda)
(Case 2729; see BZN 48: 92–96, 244–246; 49: 68–70, 221–222)

Riccardo Giannuzzi-Savelli
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I fully agree with the proposals of Beu, Marshall & Ponder (BZN 49: 68–70). To accept the names Fusinus Rafinesque, 1815 and Colubraria Schumacher, 1817 is the solution that best serves nomenclatural stability.

Comment on the proposed conservation of the specific name of Melanella (Balcis) alba (Da Costa, 1778) (Mollusca, Gastropoda)
(Case 2526; see BZN 49: 112–115)

Riccardo Giannuzzi-Savelli
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I strongly support Warén’s application for the conservation of the specific name of Strombiformis albus Da Costa, 1778.
Dr Warén has produced an excellent and well-written presentation of the case and I agree that the name *albus* should be maintained. A well entrenched name should not be abandoned without exceptional reasons as such a change would result in much confusion, more than is justified by a strict adherence to the priority principle.

**Comment on the proposed attribution of the specific name of *Ceratites nodosus* (Cephalopoda, Ammonoidea) to Schlotheim, 1813, with the designation of a lectotype**

Case 2732; see BZN 48: 31–35, 246; 49: 145–149)

G. Tichy  
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The transfer of the specific name of *Ceratites* (*Ceratites*) *nodosus* to *Ceratites* (*Doloceratites*) *robustus* Riedel, 1916, which is the consequence of Tozer’s proposals (BZN 49: 148), would result in confusion rather than stability. I support the application by Urlichs (BZN 48: 31–35) to conserve the established usage of the name *nodosus*.

**Comments on the proposed conservation of *Chrysobothris* and *Dicerca* Eschscholtz, 1829 (Insecta, Coleoptera) as the correct original spellings**

Case 2772; see BZN 49: 120–121

(1) Richard L. Westcott  
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Dr Nelson has proposed the conservation of the accepted spellings of *Chrysobothris* and *Dicerca*. He has provided sound reasoning for this and I support him wholeheartedly. I know that all my colleagues, worldwide, feel the same. As pointed out by Nelson, those spellings have been in use since 1833 and 1835 respectively, with only two exceptions. The latest exception (Leraut, 1983) was an unfortunate and ill-advised endeavor by someone who, I understand, is not even a coleopterist, let alone a specialist in the Buprestidae.

The genus *Dicerca* is Holarctic, with 27 species Nearctic and 16 Palearctic. They are medium-sized buprestids which are popular with collectors. Much literature on this group exists, although I am not aware that any species are of economic importance. On the other hand, *Chrysobothris* contains hundreds of diverse species worldwide, some of which are very serious pests. The literature on the genus is overwhelming.

Nobody, least of all science, would be served by regressing to the original, obviously misspelled, names. I trust the Commission will uphold Dr Nelson’s proposals.

(2) Svatopluk Bily  
National Museum, Kunrátice 1, 148 00 Praha 4, Czechoslovakia

I support the conservation of both *Chrysobothris* and *Dicerca* for the reasons given by Dr Nelson; this will keep the nomenclature stable.
Comment on the proposed replacement of the lectotype of *Leptocera* (*Rachispoda*) *limosa* (Fallén, 1820) (Insecta, Diptera)

(Case 2803; see BZN 49: 127–128)

Terry A. Wheeler
_Department of Biology, Carleton University, Ottawa, Ontario, Canada K1S 5B6_

I support Kim & Roháček’s proposal to replace the lectotype of *Copromyza limosa* Fallén. Most North American workers with the exception of Gapasin & Kim (1972; not cited in the application) have used the name *limosa* as defined by Duda (1918). In studies on the New World *Rachispoda* I have found *limosa* and *lutosa* to be widespread in North America, with *limosa* at least partly synanthropic. Synonymy of *limosa* and *lutosa* through acceptance of Kim’s lectotype designation would cause unnecessary confusion in the status of these common species.

Gapasin & Kim (1972, published 15 November) addressed the status of, among other species, *limosa* and *lutosa*, including lectotype designations for both species (which were unnecessary in view of Kim’s earlier designations published on 14 July 1972). The incorrect redescription and illustrations of *limosa* by Gapasin & Kim were in accord with the mistaken lectotype designation.

Additional references


Comment on the proposed conservation of *Dinodontosaurus* Romer, 1943 (Reptilia, Synapsida)

(Case 2807; see BZN 49: 52–54)

S. Bandyopadhyay
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I strongly feel that Dr Lucas is quite right regarding the status of the name *Dinodontosaurus*, which should be conserved because of its wide acceptance and usage. I support his arguments and proposal.
OPINION 1697

*Chelifer museorum* Leach, 1817 (currently *Cheiridium museorum*; Arachnida, Pseudoscorpionida): specific name conserved

**Ruling**

(1) Under the plenary powers the specific name *nepoides* Hermann, 1804, as published in the binomen *Chelifer nepoides*, is hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy.

(2) The name *Cheiridium* Menge, 1855 (gender: neuter), type species by subsequent designation by Simon (1879) *Chelifer museorum* Leach, 1817, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name *museorum* Leach, 1817, as published in the binomen *Chelifer museorum* (specific name of the type species of *Cheiridium* Menge, 1855), is hereby placed on the Official List of Specific Names in Zoology.

(4) The name *nepoides* Hermann, 1804, as published in the binomen *Chelifer nepoides* and as suppressed in (1) above, is hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology.

**History of Case 2791**

An application for the conservation of the specific name of *Chelifer museorum* Leach, 1817 was received from Dr Mark S. Harvey (*Western Australian Museum, Perth, Australia*) on 1 October 1990. After correspondence the case was published in BZN 48: 103–104 (June 1991). Notice of the case was sent to appropriate journals. No comments were received.

It was noted on the voting paper that the syntype of *Chelifer museorum* Leach, 1817 in the Natural History Museum, London is no. 138 (Leach collection).

**Decision of the Commission**

On 1 March 1992 the members of the Commission were invited to vote on the proposals published in BZN 48: 103–104. At the close of the voting period on 1 June 1992 the votes were as follows:

Affirmative votes — 26: Bayer, Bock, Bouchet, Cocks, Cogger, Corliss, Dupuis, Hahn, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Štys, Trjapitzin, Uéno, Willink

Negative votes — 2: Macpherson and Thompson.

No vote was received from Halvorsen.

Kabata commented that he voted for the proposal because of the absence of the original specimens on which Hermann (1804) based his description of *Chelifer nepoides* (para. 1 of the application); otherwise he did not believe that a return to the earlier name would result in undue confusion.

**Original references**

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:

The following is the reference for the designation of *Chelifer museorum* Leach, 1817 as the type species of the nominal genus *Cheiridium* Menge, 1855:

**Simon, E.** 1879. *Les arachnides de France*, vol. 7 (Les ordres des chernetes, scorpiones et opiliones), p. 43.
OPINION 1698

Brahmaea Walker, 1855 (Insecta, Lepidoptera): Bombyx certhia Fabricius, 1793 confirmed as the type species

Ruling

(1) It is hereby confirmed that the nominal species Bombyx certhia Fabricius, 1793, designated by Hampson ([1893]), is the type species of the nominal genus Brahmaea Walker, 1855.

(2) The name Brahmaea Walker, 1855 (gender: feminine), type species by subsequent designation by Hampson ([1893]) Bombyx certhia Fabricius, 1793, as confirmed in (1) above, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name certhia Fabricius, 1793, as published in the binomen Bombyx certhia (specific name of the type species of Brahmaea Walker, 1855), is hereby placed on the Official List of Specific Names in Zoology.

History of Case 2737

An application for the confirmation of Hampson’s ([1893]) designation of Bombyx certhia Fabricius, 1793 as the type species of Brahmaea Walker, 1855 was received from Drs W.A. Nässig (Zoologisches Institut der Universität, Frankfurt, Germany) and I.W.B. Nye (South Nutfield, Surrey, U.K.) on 16 August 1989. After correspondence the case was published in BZN 48: 137–139 (June 1991). Notice of the case was sent to appropriate journals. No comments were received.

Decision of the Commission

On 1 March 1992 the members of the Commission were invited to vote on the proposals published in BZN 48: 138. At the close of the voting period on 1 June 1992 the votes were as follows:

Affirmative votes — 29: Bayer, Bock, Bouchet, Cocks, Cogger, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Šty, Thompson, Trjapitzin, Uéno, Willink

Negative votes — none.

Original references

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:


The following is the reference for the designation of Bombyx certhia Fabricius, 1793 as the type species of the nominal genus Brahmaea Walker, 1855:

Hampson, G.F. [1893]. The fauna of British India, including Ceylon and Burma, moths, vol. 1, p. 29.
<table>
<thead>
<tr>
<th>Author</th>
<th>Page</th>
<th>Author</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alderslade, P.</td>
<td>104</td>
<td>Groves, C.P.</td>
<td>58</td>
</tr>
<tr>
<td>Alvarez-Lajonchere, L.</td>
<td>271</td>
<td>Guillette, L.J. Jr.</td>
<td>151</td>
</tr>
<tr>
<td>Andersen, N.M.</td>
<td>118</td>
<td>Haftorn, S.</td>
<td>140</td>
</tr>
<tr>
<td>Angus, R.B.</td>
<td>30</td>
<td>Heppell, D.</td>
<td>70</td>
</tr>
<tr>
<td>Armgengol, M.F.L.</td>
<td>109</td>
<td>Hogstad, O.</td>
<td>140</td>
</tr>
<tr>
<td>Aukema, B.</td>
<td>28</td>
<td>Holthuis, L.B.</td>
<td>223, 229, 232, 264</td>
</tr>
<tr>
<td>Ballinger, R.E.</td>
<td>155</td>
<td>Howes, G.J.</td>
<td>271</td>
</tr>
<tr>
<td>Bandyopadhyay, S.</td>
<td>291</td>
<td>Humphrey, P.S.</td>
<td>140</td>
</tr>
<tr>
<td>Baturo, B.</td>
<td>6</td>
<td>Hunter, S.</td>
<td>140</td>
</tr>
<tr>
<td>Belk, D.</td>
<td>72</td>
<td>Iverson, J.B.</td>
<td>156</td>
</tr>
<tr>
<td>Beu, A.G.</td>
<td>68</td>
<td>Jakhar, S.R.</td>
<td>116</td>
</tr>
<tr>
<td>Bilton, D.T.</td>
<td>232</td>
<td>Jenkins, P.D.</td>
<td>58</td>
</tr>
<tr>
<td>Bily, S.</td>
<td>290</td>
<td>Jennings, M.R.</td>
<td>234</td>
</tr>
<tr>
<td>Bock, W.J.</td>
<td>140</td>
<td>Jouanin, C.</td>
<td>140</td>
</tr>
<tr>
<td>Bourne, W.R.P.</td>
<td>140</td>
<td>Khosla, S.C.</td>
<td>116</td>
</tr>
<tr>
<td>Brooke, R.K.</td>
<td>140</td>
<td>Kiernan, C.R.</td>
<td>137</td>
</tr>
<tr>
<td>Brooks, S.J.</td>
<td>150</td>
<td>Kim, K.C.</td>
<td>127</td>
</tr>
<tr>
<td>Brown, L.E.</td>
<td>155</td>
<td>Krell, F.-T.</td>
<td>149</td>
</tr>
<tr>
<td>Bull, E.E.</td>
<td>46</td>
<td>Lambert, K.</td>
<td>140</td>
</tr>
<tr>
<td>Calder, D.R.</td>
<td>184, 223, 287</td>
<td>LaSalle, J.</td>
<td>71</td>
</tr>
<tr>
<td>Campbell, J.M.</td>
<td>35</td>
<td>Lazar, K.J.</td>
<td>207</td>
</tr>
<tr>
<td>Charig, A.J.</td>
<td>276, 280</td>
<td>Leraut, P.</td>
<td>140</td>
</tr>
<tr>
<td>Chiszar, D.</td>
<td>156, 284</td>
<td>Loydell, D.K.</td>
<td>43, 46</td>
</tr>
<tr>
<td>Colbert, E.H.</td>
<td>276</td>
<td>Lucas, S.G.</td>
<td>52</td>
</tr>
<tr>
<td>Collins, J.T.</td>
<td>268</td>
<td>Luff, M.L.</td>
<td>28</td>
</tr>
<tr>
<td>Cooper, J.</td>
<td>140</td>
<td>Mahnert, V.</td>
<td>233</td>
</tr>
<tr>
<td>Cross, F.B.</td>
<td>268</td>
<td>Manceño, M.O.</td>
<td>109</td>
</tr>
<tr>
<td>Croxall, J.P.</td>
<td>140</td>
<td>Manganelli, G.</td>
<td>16</td>
</tr>
<tr>
<td>Delson, E.</td>
<td>73</td>
<td>Marshall, B.A.</td>
<td>68</td>
</tr>
<tr>
<td>Dodson, P.</td>
<td>276</td>
<td>Mathis, W.N.</td>
<td>133</td>
</tr>
<tr>
<td>Dolling, W.R.</td>
<td>191</td>
<td>Mohammed, M.H.</td>
<td>116</td>
</tr>
<tr>
<td>Dubois, A.</td>
<td>213</td>
<td>Naggs, F.</td>
<td>258</td>
</tr>
<tr>
<td>Escalante, R.</td>
<td>140</td>
<td>Nakaya, K.</td>
<td>49</td>
</tr>
<tr>
<td>Etheridge, R.</td>
<td>217</td>
<td>Nelson, G.H.</td>
<td>120</td>
</tr>
<tr>
<td>Feltes, R.M.</td>
<td>209</td>
<td>Newton, A.F. Jr.</td>
<td>122, 200, 231</td>
</tr>
<tr>
<td>Ferraris, C.J.</td>
<td>207</td>
<td>Ngoc-Ho, N.</td>
<td>187</td>
</tr>
<tr>
<td>Fitzgerald, K.T.</td>
<td>151</td>
<td>Nilsson, A.N.</td>
<td>32</td>
</tr>
<tr>
<td>Foster, G.N.</td>
<td>231</td>
<td>Ostrom, J.H.</td>
<td>276</td>
</tr>
<tr>
<td>Gall, L.F.</td>
<td>196</td>
<td>Owen, J.A.</td>
<td>232</td>
</tr>
<tr>
<td>Gentry, A.</td>
<td>233, 288</td>
<td>Pape, T.</td>
<td>200</td>
</tr>
<tr>
<td>Giannuzzi-Savelli, R.</td>
<td>289</td>
<td>Pearson, J.C.</td>
<td>66</td>
</tr>
<tr>
<td>Gibson, D.I.</td>
<td>64</td>
<td>Petit, R.E.</td>
<td>221</td>
</tr>
<tr>
<td>Gillette, D.D.</td>
<td>276</td>
<td>Ponder, W.F.</td>
<td>68</td>
</tr>
<tr>
<td>Giusti, F.</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Griffith, H.</td>
<td>235</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grimaldi, D.</td>
<td>129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Page Numbers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------</td>
<td>--------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poore, G.C.B.</td>
<td>187</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pope, R.D.</td>
<td>71</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pugachev, O.N.</td>
<td>66</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ragge, D.R.</td>
<td>71</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rasnitsyn, A.P.</td>
<td>62</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roháček, J.</td>
<td>127</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rolston, L.H.</td>
<td>19, 230</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roper, C.F.E.</td>
<td>261</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roth, B.</td>
<td>68</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rozhnov, S.V.</td>
<td>41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rushton, A.W.A.</td>
<td>150</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ruz, L.</td>
<td>205</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sabrosky, C.W.</td>
<td>122</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sanders, A.E.</td>
<td>223, 287</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Séret, B.</td>
<td>49</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shaughnessy, P.D.</td>
<td>140</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silfverberg, H.</td>
<td>194, 224</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Simons, E.L.</td>
<td>55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smetana, A.</td>
<td>230</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smith, H.M.</td>
<td>73, 151, 284</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spangler, P.J.</td>
<td>232</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sprackland, R.G.</td>
<td>234</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Srivastava, C.B.</td>
<td>62</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stebbins, R.C.</td>
<td>156</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stephens, L.D.</td>
<td>223, 287</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storch, P.</td>
<td>46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tanner, W.W.</td>
<td>155</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tattersall, I.</td>
<td>55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thayer, M.K.</td>
<td>22, 122, 200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thomas, D.B.</td>
<td>191</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thompson, R.T.</td>
<td>266</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thorne, M.J.</td>
<td>144</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tichy, G.</td>
<td>290</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tippett, D.L.</td>
<td>144</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tozer, E.T.</td>
<td>145</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trewavas, E.</td>
<td>271</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tubbs, P.K.</td>
<td>66, 153, 224, 227, 228</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tucker, J.K.</td>
<td>222</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vecchione, M.</td>
<td>261</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voisin, J.-F.</td>
<td>140</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vuillaume-Randriamanantena, M.</td>
<td>55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vuilleumier, F.</td>
<td>140</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wallach, V.</td>
<td>284</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Warén, A.</td>
<td>12, 112</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Warham, J.</td>
<td>140</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Webb, R.G.</td>
<td>211</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weishampel, D.</td>
<td>276</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Westcott, R.L.</td>
<td>290</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wheeler, T.A.</td>
<td>291</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Whittington, H.B.</td>
<td>150, 151</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Williams, E.E.</td>
<td>217</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Williams, K.L.</td>
<td>284</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wilson, D.</td>
<td>221</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zatwarnicki, T.</td>
<td>133</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zweifel, R.G.</td>
<td>235</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
NAMES PLACED ON OFFICIAL LISTS AND INDEXES IN RULINGS OF THE COMMISSION PUBLISHED IN VOLUME 49 (1992)

Names placed on the Official Lists and Indexes in Volume 49 are listed below under three headings: Family-Group Names, Generic Names and Specific Names. Entries on the Official Lists are in bold type and those on the Official Indexes in non-bold type and (except for the family-group names) italicised.

Family-Group Names

**BITHYNIIDAE** Gray, 1857 (Gastropoda) Op. 1664
**EUDOCIMIDAE** Bonaparte, 1854 (Aves) Op. 1674
**EUMESIIDAE** Felder & Felder, [1867] (Lepidoptera) Op. 1669
**HELCARIONIDAE** Bourguignat, 1883 (Gastropoda) Op. 1678
**HELIXARIONIDAE** Bourguignat, 1883 (Gastropoda) Op. 1678
**HYDROBATIDAE** Degland, 1849 (Aves) Op. 1696
**HYDROBATIDAE** Mathews, 1912 (1865) (Aves) Op. 1696
**LIPARIDAE** Gill, 1861 (Osteichthyes) Op. 1673
**MESODONTIDAE** Tryon, 1866 (Gastropoda) Op. 1691
**PHORORHACIDAE** Lydecker, 1893 (Aves) Op. 1687
**PHORORHACOSIDAE** Ameghino, 1889 (Aves) Op. 1687
**PHORUSRHACIDAE** Ameghino, 1889 (Aves) Op. 1687
**PHYLLODOCIDAE** Örsted, 1843 (Polychaeta) Op. 1692
**PLATALEIDAE** Bonaparte, 1838 (Aves) Op. 1674
**POLYGYRIDAE** Pilsbry, 1895 (Gastropoda) Op. 1691
**RISSOIDAE** Gray, 1847 (Gastropoda) Op. 1664
**THRESKIORNITHIDAE** Poche, 1904 (Aves) Op. 1674
**TRUNCATELLIDAE** Gray, 1840 (Gastropoda) Op. 1664

Generic Names

*Acanthophthalmus* van Hasselt in Temminck, 1824 (Osteichthyes) Op. 1695
*Aculea* Perry, 1810 (Gastropoda) Op. 1677
*Amphiporus* Ehrenberg, 1831 (Nemertea) Op. 1675
*Anguilla* Schrank, 1798 (Osteichthyes) Op. 1672
*Brahmaea* Walker, 1855 (Lepidoptera) Op. 1698
*Cheiridium* Menge, 1855 (Pseudoscorpionida) Op. 1697
*Dalla* Mabille, 1904 (Lepidoptera) Op. 1669
*Epizoanthus* Gray, 1867 (Anthozoa) Op. 1689
*Eudocimus* Wagler, 1832 (Aves) Op. 1674
*Eumesia* Felder & Felder, [1867] (Lepidoptera) Op. 1669
*Fryeria* Gray, 1853 (Gastropoda) Op. 1663
*Haustator* Montfort, 1810 (Gastropoda) Op. 1677
*Helicarion* Féruissac, 1821 (Gastropoda) Op. 1678
Helixarion Ferussac, 1821 (Gastropoda) Op. 1678
Hydrobata Vieillot, 1816 (Aves) Op. 1696
Hydrobates Boie, 1822 (Aves) Op. 1696
Kobeltia Seibert, 1873 (Gastropoda) Op. 1679
Lepidomenia Kowalevsky in Brock, 1883 (Solenogastres) Op. 1676
Lepomis Rafinesque, 1819 (Osteichthyes) Op. 1684
Leucorea Laporte, 1835 (Coleoptera) Op. 1681
Liparis Scopoli, 1777 (Osteichthyes) Op. 1673
Mesodon Ferussac, 1821 (Gastropoda) Op. 1691
Muraena Linnaeus, 1758 (Osteichthyes) Op. 1672
Palaega Woodward, 1870 (Isopoda) Op. 1668
Pangio Blyth, 1860 (Osteichthyes) Op. 1695
Phororhacos Ameghino, 1889 (Aves) Op. 1687
Phyllumcharas Ameghino, 1887 (Aves) Op. 1687
Phyllococe Lamark, 1818 (Polychaeta) Op. 1692
Phyllodoce Ranzani, 1817 (Polychaeta) Op. 1692
Placostylus Beck, 1837 (Gastropoda) Op. 1662
Platalea Linnaeus, 1758 (Aves) Op. 1674
Polygyra Say, 1818 (Gastropoda) Op. 1691
Polyodontes de Blainville, 1828 (Polychaeta) Op. 1692
Potamilus Rafinesque, 1818 (Bivalvia) Op. 1665
Proptera Rafinesque, 1819 (Bivalvia) Op. 1665
Reyfria Yonow, 1986 (Gastropoda) Op. 1663
Rhinapion Beguin-Billecocq, 1905 (Coleoptera) Op. 1694
Rhinapion Motschulsky, 1868 (Coleoptera) Op. 1694
Rissoa Desmarest, 1814 (Gastropoda) Op. 1664
Sidisia Gray, 1858 (Anthozoa) Op. 1689
Strophomena de Blainville, 1824 (Brachiopoda) Op. 1671
Thalassochernes Beier, 1940 (Pseudoscorpionida) Op. 1667
Threskiornis Gray, 1842 (Aves) Op. 1674
Truncatella Risso, 1826 (Gastropoda) Op. 1664
Vatellus Aubé, [1837] (Coleoptera) Op. 1681

Specific Names

aethiopicus, Tantalus, Latham, 1790 (Aves) Op. 1674
alatus, Unio, Say, 1817 (Bivalvia) Op. 1665
anguilla, Muraena, Linnaeus, 1758 (Osteichthyes) Op. 1672
aurismalchi, Helix, Müller, 1774 (Gastropoda) Op. 1662
auritus, Labrus, Linnaeus, 1758 (Osteichthyes) Op. 1684
barbata, Helix (Helicigona), Ferussac, 1832 (Gastropoda) Op. 1690
carnivora, Musca, Fabricius, 1794 (Diptera) Op. 1670
cartari, Palaega, Woodward, 1870 (Isopoda) Op. 1668
certhia, Bombyx, Fabricius, 1793 (Lepidoptera) Op. 1698
circularis, Coccinella, Olivier, 1791 (Coleoptera) Op. 1693
cuvieri, Helixarion, Ferussac, 1821 (Gastropoda) Op. 1678
 elongata, Voluta, Lightfoot, 1786 (Gastropoda) Op. 1662
 eryonas, Cyclopes, Hewitson, 1877 (Lepidoptera) Op. 1669
 erythrocephala, Musca, Meigen, 1826 (Diptera) Op. 1670
 euleri, Coecygyus (= Coecyzyus), Cabanis, 1873 (Aves) Op. 1688
 falcefera, Plusia, Kirby, 1837 (Lepidoptera) Op. 1682
 fibratus, Limax, Martyn, 1784 (Gastropoda) Op. 1662
 gemonensis, Natrix, Laurenti, 1768 (Reptilia) Op. 1686
 giganteus, Bathynomus, Milne Edwards, 1879 (Isopoda) Op. 1668
 hebræae, Neertia, Martyn, 1786 (Gastropoda) Op. 1662
 helveticus, Coluber, Lacepede, 1789 (Reptilia) Op. 1686
 hentzi, Centururus, Banks, 1904 (Scorpionida) Op. 1680
 hortensis, Arion, Férussac, 1819 (Gastropoda) Op. 1679
 hystrix, Lepidomenia, Marion & Kowalevsky in Fischer, 1885 (Solenogastres) Op. 1676
 imbricata, Turritella, Lamarck, 1804 (Gastropoda) Op. 1677
 imbricata, Aphrodita, Linnaeus, 1767 (Polychaeta) Op. 1666
 julieni, Coecyzyus, Lawrence, [1864] (Aves) Op. 1688
 juxtacrenobium, Simulium (Nevermannia), Bass & Brockhouse, 1990 (Diptera) Op. 1683
 lactiflorea, Planaria, Johnston, 1828 (Nemertea) Op. 1675
 laminosa, Phyllodoce, Lamarck, 1818 (Polychaeta) Op. 1692
 lepidota, Aphrodita, Pallas, 1766 (Polychaeta) Op. 1666
 leucorodia, Platalea, Linnaeus, 1758 (Aves) Op. 1674
 liparis, Cyclopterus, Linnaeus, 1766 (Osteichthyes) Op. 1673
 longissimus, Phorusrhacos, Ameghino, 1887 (Aves) Op. 1687
 maxillosa, Phyllodoce, Ranzani, 1817 (Polychaeta) Op. 1692
 minuta, Aphrodita, Pennant, 1777 (Polychaeta) Op. 1666
 minuta, Aphrodita, Fabricius, 1780 (Polychaeta) Op. 1666
 museorum, Chelifer, Leach, 1817 (Pseudoscorpionida) Op. 1697
 nepoides, Chelifer, Hermann, 1804 (Pseudoscorpionida) Op. 1697
 norma, Autographa, Hübner, [1821] (Lepidoptera) Op. 1682
 oculata, Coccinella, Thunberg, 1781 (Coleoptera) Op. 1693
 pangia, Cobitis, Hamilton, 1822 (Osteichthyes) Op. 1695
 papillosa, Duseideia?, Johnston, 1842 (Anthozoa) Op. 1689
 paxillum, Apion (Rhinapion), Béguin-Billécoq, 1905 (Coleoptera) Op. 1694
 pelagica, Procellaria, Linnaeus, 1758 (Aves) Op. 1696
 planumbona, Leptaena, Hall, 1847 (Brachiopoda) Op. 1671
 pustulosa, Fryeria, Gray, 1853 (Gastropoda) Op. 1663
 rubra, Scolopax, Linnaeus, 1758 (Aves) Op. 1674
 rueppelii, Fryeria, Bergh, 1869 (Gastropoda) Op. 1663
 rippelli, Fryeria, Bergh, 1869 (Gastropoda) Op. 1663
 rugosa, Strophomena, de Blainville, 1824 (Brachiopoda) Op. 1671
 septemvolva, Polygyra, Say, 1818 (Gastropoda) Op. 1691
 sphenoocephala, Rana halecina, Cope, 1886 (Amphibia, Anura) Op. 1685
 subcylindrica, Helix, Linnaeus, 1767 (Gastropoda) Op. 1664
 taieriensis, Chelifer, With, 1907 (Pseudoscorpionida) Op. 1667
 tarsatus, Hydroporus, Laporte, 1835 (Coleoptera) Op. 1681
thyroidus, Helix, Say, 1817 (Gastropoda) Op. 1691
undecinnotata, Coccinella, Schneider, [1792] (Coleoptera) Op. 1693
utricularius, Rana, Harlan, 1826 (Amphibia, Anura) Op. 1685
ventricosa, Rissoa, Desmarest, 1814 (Gastropoda) Op. 1664
vicina, Calliphora, Robineau-Desvoidy, 1830 (Diptera) Op. 1670
viridiflavus, Coluber, Lacépède, 1789 (Reptilia) Op. 1686
vittatus, Buthus, Guérin Méneville, [1838] (Scorpionida) Op. 1680
vittatus, Buthus, Say, 1821 (Scorpionida) Op. 1680
KEY NAMES AND WORKS IN APPLICATIONS AND COMMENTS
IN VOLUME 49 (1992)
(for names in Rulings of the Commission see pages 297–300)

Acamptopoeum Cockerell, 1905 (Hymenoptera) .................................................. 205
Acrisium Schaeffer, 1766 (Orthoptera) ................................................................. 228
Aerochordium Meyen, 1834 (Hydrozoa) ................................................................. 184
Aerolacha Thomson, 1858 (Coleoptera) ................................................................. 22
Acarydium Geoffroy, 1762 (Orthoptera) ................................................................. 228
aenea, Buprestis, Linnaeus, 1761 (Coleoptera) ...................................................... 120, 290
africana, Gebia, Ortmann, 1894 (Crustacea, Decapoda) ..................................... 187
alatus, Cimex najas, Retzius, 1783 (Heteroptera) .................................................. 118
albicans, Simia, Vigors & Horsfield, 1828 (Mammalia) ....................................... 58
albus, Strombiformis, Da Costa, 1778 (Gastropoda) ............................................ 112, 289
albus, Turbo, Pennant, 1777 (Gastropoda) ......................................................... 112, 289
Allopes Baker, 1935 (Gastropoda) ........................................................................ 258
amasia, Phalaena, Smith, 1797 (Lepidoptera) ....................................................... 196
Ammocthyereida Bate, 1975 (Ostracoda) ............................................................... 116
ANTHRIBIDAE Billberg, 1820 (Coleoptera) ......................................................... 194
antipai, Styloptocuma, Bâcescu & Muradian, 1974 (Cumacea) ......................... 264
aquatica, Silpha, Linnaeus, 1758 (Coleoptera) ..................................................... 30, 230
argyrocephala, Tachina, Meigen, 1824 (Diptera) .................................................. 200
Asellus Schaeffer, 1766 (Isopoda) ......................................................................... 223
atlanticus, Scylliorhinus, Koefoed, 1927 (Chondrichthyes) .................................. 49
Audinetella Spinola, 1850 (Heteroptera) ............................................................... 19, 229

Balcis Leach in Gray, 1847 (Gastropoda) ............................................................... 112, 289
Balea Gray, 1824 (Gastropoda) ............................................................................ 12
baltica, Rhipidocystis, Jaekel, 1901 (Eocrinidea) .................................................. 41
bauri, Coelurus, Cope, 1887 (Reptilia) ................................................................. 276
Belemnites Lamarck, 1799 (Coleoidea) ................................................................. 66
BELEMNITIDAE Owen, 1838 (Coleoidea) ............................................................... 66
Binoculus Schluga, 1767 (Branchiopoda) .............................................................. 223
bipunctata, Audinetella, Spinola, 1850 (Heteroptera) .......................................... 19, 229
bisulcatus, Belemnites, de Blainville, 1827 (Coleoidea) ....................................... 66
brasiliensis, Mugil, Spix in Spix & Agassiz, 1831 (Osteichthyes) ......................... 271
Bruchus Linnaeus, 1767 (Coleoptera) ................................................................. 227
Bucephalus Baer, 1827 (Trematoda) ................................................................. 6, 62
campanula, Distoma, Dujardin, 1844 (Trematoda) .............................................. 6, 62
candida, Helix, Mousson, 1854 (Gastropoda) ...................................................... 16
capensis, Gebia major, Krauss, 1843 (Crustacea, Decapoda) ............................... 187
Ceratites de Haan, 1825 (Ammonoidea) ............................................................... 145, 290
CHORAGIDAE Kirby, 1819 (Coleoptera) ............................................................... 194
Choragus Kirby, 1819 (Coleoptera) ..................................................................... 194
Chrysobothris Eschscholtz, 1829 (Coleoptera) ..................................................... 120, 290
Chrysobotris Eschscholtz, 1829 (Coleoptera) ... 120, 290
chrysolomus, Staphylinus, Linnaeus, 1758 (Coleoptera) ... 122
chrysoscelis, Hyla, Cope, 1880 (Amphibia, Anura) ... 151
chrysosigma, Buprestis, Linnaeus, 1758 (Coleoptera) ... 120, 290
CLAVIDAEC McCrady, 1859 (Hydrozoa) ... 144, 222, 287
CLAVINAE Casey, 1904 (Gastropoda) ... 144, 222, 287
Clidastes Cope, 1868 (Reptilia) ... 137
clintonensis, Graptolites, Hall, 1843 (Graptolithina) ... 43
clintonensis, Graptolitus, Hall, 1852 (Graptolithina) ... 43
Coelophysis Cope, 1889 (Reptilia) ... 276
colberti, Rioarribasaurus, Hunt & Lucas, 1991 (Reptilia) ... 276
Colubria Schumacher, 1817 (Gastropoda) ... 68, 221, 289
colus, Murex, Linnaeus, 1758 (Gastropoda) ... 68, 221, 289
connubialis, Catocala, Guenée, 1852 (Lepidoptera) ... 196
Copis Geoffroy, 1762 (Coleoptera) ... 149
Coprophilus Latreille, 1829 (Coleoptera) ... 22
coricea, Meladema, Laporte, 1835 (Coleoptera) ... 32
costata, Zanclae, Gegenbaur, 1856 (Hydrozoa) ... 184
crenulatus, Monograptus, Törnquist, 1881 (Graptolithina) ... 46
crenulatus, Monograptus somerinus, Elles & Wood, 1911 (Graptolithina) ... 46
croupius, Lincus, Rolston, 1983 (Heteroptera) ... 19, 229
curculionides, Metopias, Gory, 1832 (Coleoptera) ... 200
curema, Mugil, Valenciennes in Cuvier & Valenciennes, 1836 (Osteichthyes) ... 271
danae, Taningia, Joubin, 1931 (Cephalopoda) ... 261
Dicera Eschscholtz, 1829 (Coleoptera) ... 120, 290
Dicerea Eschscholtz, 1829 (Coleoptera) ... 120, 290
dichotoma, Isis, Linnaeus, 1758 (Anthozoa) ... 104
Dinodontosaurus Romer, 1943 (Reptilia) ... 52, 291
Diodontosaurus Caldas, 1936 (Reptilia) ... 52, 291
eichwaldi, Asaphus, Fischer von Waldheim in Eichwald, 1825 (Trilobita) ... 150
Elonium Leach in Samouelle, 1819 (Coleoptera) ... 22
Elophorus Fabricius, 1775 (Coleoptera) ... 30, 230
encrinula, Isis, Lamarck, 1815 (Anthozoa) ... 104
entelloides, Hylobates, Geoffroy Saint-Hilaire, 1842 (Mammalia) ... 58
EPHYDRIDAE Zetterstedt, 1837 (Diptera) ... 133
EPICRIIDAE Berlese, 1885 (Acari) ... 153
Epicrotium Wagler, 1828 (Amphibia, Gymnephiona) ... 153
Epiceris Canestrini & Fanzago, 1877 (Acari) ... 153
erecta, Achatina, Benson, 1842 (Gastropoda) ... 258
Eulima Risso, 1826 (Gastropoda) ... 12
Eulophus Geoffroy, 1762 (Hymenoptera) ... 71
Euroleon Esben-Petersen, 1918 (Neuroptera) ... 149
Filimanus Myers, 1936 (Osteichthyes) ... 209
fimbriatum, Gasterostomum, Siebold, 1848 (Trematoda) ... 6, 62
fitzingeri, Laemancus, Wiegmann, 1834 (Reptilia) .............................................. 217
fluminensis, Cynopoecilus, Faria & Muller, 1937 (Osteichthyes) .......................... 207, 233
Forbicina Geoffroy, 1762 (Thysanura) .................................................................... 224
Formicaleo Geoffroy, 1762 (Neuroptera) ............................................................... 149
franciscana, Artemia, Kellogg, 1906 (Branchiopoda) ............................................ 72
Fusinus Rafinesque, 1815 (Gastropoda). ................................................................. 68, 221, 289
Fusus Bruguieres, 1789 (Gastropoda). ................................................................... 68, 221, 289
Fusus Helbling, 1779 (Gastropoda). ....................................................................... 68, 221, 289

gaimardianus, Mugil, Desmarest, 1831 (Osteichthyes) ........................................... 271
galeatum, Monostoma, Rudolphi, 1819 (Trematoda) .............................................. 6, 62
Gasterostomum Siebold, 1848 (Trematoda) ............................................................ 6, 62
gigantea, Procellaria, Gmelin, [1789] (Aves) ......................................................... 140
gigas, Rhipidocystis, Jaekel, 1901 (Eocrinoida) ...................................................... 41
glaber, Strombiformis, Da Costa, 1778 (Gastropoda) ............................................. 12
Glyptagnostus Whitehouse, 1936 (Trilobita) ............................................................ 150
gracilis, Bulimus, Hutton, 1834 (Gastropoda) ......................................................... 258
grandidieri, Thaumastolemur, Filhol, 1895 (Mammalia) ......................................... 55, 73
granulata, Colubraria, Schumacher, 1817 (Gastropoda) .......................................... 68, 221, 289
grilli, Anisolepis, Boulenger, 1891 (Reptilia) ........................................................... 217
grossa, Musca, Linnaeus, 1758 (Diptera) ............................................................... 122
Gymnomzyza Fallén, 1810 (Diptera) ..................................................................... 133
GYMNOMYZIDAE Latreille, 1829 (Diptera) .............................................................. 133
GYMNOPININI Cresson, 1922 (Diptera) ................................................................. 133

halli, Macronectes giganteus, Mathews, 1912 (Aves). ............................................. 140
harrisonii, Scelidosaurus, Owen, 1861 (Reptilia) ..................................................... 280
Helophorus Fabricius, 1775 (Coleoptera) ............................................................... 30, 230
Hepa Geoffroy, 1762 (Heteroptera) ..................................................................... 224
heterurus, Homalocephalus, Jan, 1863 (Reptilia) ..................................................... 284
Homalocephalus Jan, 1863 (Reptilia). ................................................................... 284
hypocyana, Caecilia, Boie, 1827 (Amphibia, Gymnophiona) ................................. 153

ICHTHYOPHIIDAE Taylor, 1968 (Amphibia, Gymnophiona) .................................... 153
ihopyensis, Procysteridea, Grekoff, 1963 (Ostracoda) .......................................... 116
illense, Gasterostomum, Ziegler, 1883 (Trematoda) .............................................. 6, 62
ingens, Palaeopropithecus, Grandidier, 1899 (Mammalia) .................................... 55, 73
Ischnosoma Cuvier, 1829 (Osteichthyes) ............................................................... 35
Ischnosoma Stephens, 1829 (Coleoptera) .............................................................. 35
Ischnosomata Strand, 1935 (Coleoptera) ................................................................ 35

Laeocolchis Dunker & Metzger, 1874 (Gastropoda). ............................................. 70
laevis, Turbo, Pennant, 1777 (Gastropoda). ............................................................ 112, 289
lar, Homo, Linnaeus, 1771 (Mammalia) ................................................................. 58
Leichotes Gistl, 1834 (Coleoptera) ........................................................................ 35
limosa, Copromyzza, Fallén, 1820 (Diptera) ........................................................... 127, 291
Lincus Stål, 1867 (Heteroptera) ............................................................................. 19, 229
<table>
<thead>
<tr>
<th>Name</th>
<th>Author</th>
<th>Year</th>
<th>Class</th>
<th>Taxonomy</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>liza, Mugil, Valenciennes</td>
<td>in Cuvier &amp; Valenciennes</td>
<td>1836</td>
<td>Osteichthyes</td>
<td></td>
<td>271</td>
</tr>
<tr>
<td>longimana, Simia, Schreber</td>
<td>[1774]</td>
<td>(Mammalia)</td>
<td></td>
<td></td>
<td>58</td>
</tr>
<tr>
<td>lutosa, Limosina, Stenhammar</td>
<td>1855</td>
<td>(Diptera)</td>
<td></td>
<td></td>
<td>127, 291</td>
</tr>
<tr>
<td>macandraeae, Triforis, Adams</td>
<td>1856</td>
<td>(Gastropoda)</td>
<td></td>
<td></td>
<td>70</td>
</tr>
<tr>
<td>Macronecetes Richmond</td>
<td>1905</td>
<td>(Aves)</td>
<td></td>
<td></td>
<td>140</td>
</tr>
<tr>
<td>Mantes Geoffroy in Müller</td>
<td>1764</td>
<td>(Orthoptera)</td>
<td></td>
<td></td>
<td>71</td>
</tr>
<tr>
<td>Mantis Linnaeus</td>
<td>1758</td>
<td>(Orthoptera)</td>
<td></td>
<td></td>
<td>71</td>
</tr>
<tr>
<td>Megalophrys Wagler</td>
<td>1830</td>
<td>(Amphibia, Anura)</td>
<td></td>
<td></td>
<td>213</td>
</tr>
<tr>
<td>megapoda, Rana, Taylor</td>
<td>1942</td>
<td>(Amphibia, Anura)</td>
<td></td>
<td></td>
<td>211</td>
</tr>
<tr>
<td>Megophrys Kuhl &amp; van Hasselt</td>
<td>1822</td>
<td>(Amphibia, Anura)</td>
<td></td>
<td></td>
<td>213</td>
</tr>
<tr>
<td>Meladema Laporte</td>
<td>1835</td>
<td>(Coleoptera)</td>
<td></td>
<td></td>
<td>32</td>
</tr>
<tr>
<td>melanochir, Polynemus, Valenciennes</td>
<td>1831</td>
<td>(Osteichthyes)</td>
<td></td>
<td></td>
<td>209</td>
</tr>
<tr>
<td>Melolontha Fabricius</td>
<td>1775</td>
<td>(Coleoptera)</td>
<td></td>
<td></td>
<td>149</td>
</tr>
<tr>
<td>Metopia Meigen</td>
<td>1803</td>
<td>(Diptera)</td>
<td></td>
<td></td>
<td>200</td>
</tr>
<tr>
<td>METOPIAINI Townsend</td>
<td>1908</td>
<td>(Diptera)</td>
<td></td>
<td></td>
<td>200</td>
</tr>
<tr>
<td>Metopias Gory</td>
<td>1832</td>
<td>(Coleoptera)</td>
<td></td>
<td></td>
<td>200</td>
</tr>
<tr>
<td>METOPIASINI Raffray</td>
<td>1904</td>
<td>(Coleoptera)</td>
<td></td>
<td></td>
<td>200</td>
</tr>
<tr>
<td>METOPIINAE Foerster</td>
<td>1868</td>
<td>(Hymenoptera)</td>
<td></td>
<td></td>
<td>200</td>
</tr>
<tr>
<td>METOPIINI Raffray</td>
<td>1904</td>
<td>(Coleoptera)</td>
<td></td>
<td></td>
<td>200</td>
</tr>
<tr>
<td>METOPIINI Townsend</td>
<td>1908</td>
<td>(Diptera)</td>
<td></td>
<td></td>
<td>200</td>
</tr>
<tr>
<td>Metopius Panzer</td>
<td>1806</td>
<td>(Hymenoptera)</td>
<td></td>
<td></td>
<td>200</td>
</tr>
<tr>
<td>miiusmenus, Somatodes, Gyllenhal in Schönherr</td>
<td>1840</td>
<td>(Coleoptera)</td>
<td></td>
<td></td>
<td>266</td>
</tr>
<tr>
<td>Mnestra Krohn</td>
<td>1853</td>
<td>(Hydrozoa)</td>
<td></td>
<td></td>
<td>184</td>
</tr>
<tr>
<td>mollis, Carabus, Marsham</td>
<td>1802</td>
<td>(Coleoptera)</td>
<td></td>
<td></td>
<td>28</td>
</tr>
<tr>
<td>mollis, Carabus, Stöm</td>
<td>1768</td>
<td>(Coleoptera)</td>
<td></td>
<td></td>
<td>28</td>
</tr>
<tr>
<td>mollis, Gamasus, Kramer</td>
<td>1876</td>
<td>(Acari)</td>
<td></td>
<td></td>
<td>153</td>
</tr>
<tr>
<td>moniliferus, Pachyrhynchus, Germar</td>
<td>1824</td>
<td>(Coleoptera)</td>
<td></td>
<td></td>
<td>266</td>
</tr>
<tr>
<td>montagui, Balcis, Leach in Gray</td>
<td>1847</td>
<td>(Gastropoda)</td>
<td></td>
<td></td>
<td>112, 289</td>
</tr>
<tr>
<td>montana, Megophrys, Kuhl &amp; van Hasselt</td>
<td>1822</td>
<td>(Amphibia, Anura)</td>
<td></td>
<td></td>
<td>213</td>
</tr>
<tr>
<td>monticola, Megophrys, Kuhl &amp; van Hasselt</td>
<td>1822</td>
<td>(Amphibia, Anura)</td>
<td></td>
<td></td>
<td>213</td>
</tr>
<tr>
<td>monticola, Xenophrys, Günther</td>
<td>1864</td>
<td>(Amphibia, Anura)</td>
<td></td>
<td></td>
<td>213</td>
</tr>
<tr>
<td>Mopea Lamouroux</td>
<td>1816</td>
<td>(Anthozoa)</td>
<td></td>
<td></td>
<td>104</td>
</tr>
<tr>
<td>Mosilus Latreille</td>
<td>1804</td>
<td>(Diptera)</td>
<td></td>
<td></td>
<td>133</td>
</tr>
<tr>
<td>Mycetoporus Mannerheim</td>
<td>1831</td>
<td>(Coleoptera)</td>
<td></td>
<td></td>
<td>35</td>
</tr>
<tr>
<td>Mylabris Fabricius</td>
<td>1775</td>
<td>(Coleoptera)</td>
<td></td>
<td></td>
<td>227</td>
</tr>
<tr>
<td>Myteroxis Gozis</td>
<td>1886</td>
<td>(Coleoptera)</td>
<td></td>
<td></td>
<td>35</td>
</tr>
<tr>
<td>nodosa, Ammonites, Bruguière</td>
<td>1789</td>
<td>(Ammonoidea)</td>
<td></td>
<td></td>
<td>145, 290</td>
</tr>
<tr>
<td>nosus, Ceratites, Schlotheim</td>
<td>1813</td>
<td>(Ammonoidea)</td>
<td></td>
<td></td>
<td>145, 290</td>
</tr>
<tr>
<td>obtusirostris, Laemanctus, Wiegmann</td>
<td>1834</td>
<td>(Reptilia)</td>
<td></td>
<td></td>
<td>217</td>
</tr>
<tr>
<td>Oliveirai, Dinodontosaurus, Romer</td>
<td>1943</td>
<td>(Reptilia)</td>
<td></td>
<td></td>
<td>52, 291</td>
</tr>
<tr>
<td>opalescens, Cynolebias, Myers</td>
<td>1942</td>
<td>(Osteichthyes)</td>
<td></td>
<td></td>
<td>207, 233</td>
</tr>
<tr>
<td>PACHYRHYNCHINI Schönherr</td>
<td>1826</td>
<td>(Coleoptera)</td>
<td></td>
<td></td>
<td>266</td>
</tr>
<tr>
<td>Pachyrhynchus Germar</td>
<td>1824</td>
<td>(Coleoptera)</td>
<td></td>
<td></td>
<td>266</td>
</tr>
</tbody>
</table>
Palaeopropithecus Grandidier, 1899 (Mammalia) .............................................. 55, 73
pahudan, Gerris, Fabricius, 1794 (Heteroptera) .................................................. 118
parasites, Mnestra, Krohn, 1853 (Hydrozoa) ...................................................... 184
parvum, Leptobrachium, Boulenger, 1893 (Amphibia, Anura) ............................. 213
PASSALOTEUTHIDIDEA Naef, 1922 (Coleoidea) .................................................. 66
Passaloteuthis Lissajous, 1915 (Coleoidea) ......................................................... 66
paxillosa, Belemnites, Lamarck, 1801 (Coleoidea) ............................................... 66
pedroanum, Diodontosaurus, Caldas, 1836 (Reptilia) ......................................... 52, 291
Peltis Müller, 1776 (Coleoptera) ...................................................................... 224
perplexa, Filimanus, Feltes, 1991 (Osteichthyes) ................................................... 209
persica, Octopodoteuthis. Naef, 1923 (Cephalopoda) ......................................... 261
perversus, Turbo, Linnaeus, 1758 (Gastropoda) .................................................. 12
Podisus Herrich-Schaeffer, 1851 (Heteroptera) .................................................... 191
politus, Turbo, Linnaeus, 1758 (Gastropoda) ....................................................... 112, 289
polymorphus, Bucephalus, Baer, 1827 (Trematoda) ............................................ 6, 62
Potamolithus Pilsbry, 1896 (Gastropoda) ............................................................... 109
propython, Clidastes, Cope, 1869 (Reptilia) ........................................................ 137
Pseudoxyrhopus Günther, 1881 (Reptilia) ............................................................. 284
PSILOPINAE Cresson, 1925 (Diptera) .................................................................. 133
Psophus Fieber, 1853 (Orthoptera) ...................................................................... 228
Ptinus Linnaeus, 1767 (Coleoptera) ............................................................ 227
Ptychagnostus Jackel, 1909 (Trilobita) ................................................................. 150
pulchra, Anniella, Gray, 1852 (Reptilia) ........................................................ ...... 155, 234
puncta, Tachinus, Gravenhorst, 1806 (Coleoptera) ............................................ 35
putrida, Drosophila, Sturtevant, 1916 (Diptera) .................................................... 129
ramicornis, Ichneumon, Fabricius, 1781 (Hymenoptera) ...................................... 71
Rhipidocotyle Diesing, 1858 (Trematoda) ............................................................ 6, 62
Rhipidocystis Jaekel, 1901 (Eocrinoidea) ............................................................ 41
Rioarribasaurus Hunt & Lucas, 1991 (Reptilia) .................................................... 276
rufipes, Staphylinus, Linnaeus, 1758 (Coleoptera) ............................................. 122
rufospilota, Pentatomia, Westwood, 1837 (Heteroptera) ................................. 19, 229
rushii, Potamolithus, Pilsbry, 1896 (Gastropoda) .............................................. 109
sanctus, Somatodes, Schönherr, 1823 (Coleoptera) ............................................ 266
sandrii, Cynopoecillus, Faria & Muller, 1937 (Osteichthyes) .............................. 207, 233
Scelidosaurus Owen, 1859 (Reptilia) ................................................................. 280
Schinomosa Tottenham, 1939 (Coleoptera) .......................................................... 35
Schizopus Le Conte, 1858 (Coleoptera) ............................................................... 232
Scutopterus Dejean, 1833 (Coleoptera) ............................................................... 32
sheppardi, Choragus, Kirby, 1819 (Coleoptera) ............................................... 194
sinistratum, Cerithium, Nyst, 1835 (Gastropoda) .............................................. 70
Somatodes Schönherr, 1823 (Coleoptera) ............................................................ 266
Somatodes Schönherr, 1840 (Coleoptera) ............................................................ 266
SOMATODINAE Lacordaire, 1863 (Coleoptera) ................................................... 266
SOMATODINI Schönherr, 1823 (Coleoptera) ......................................................... 266
spinacipellitum, Scyllium?, Vaillant, 1888 (Chondrichthyes) ............................ 49
splendens, Cynolebias, Myers, 1942 (Osteichthyes) .................................. 207, 233
splendidus, Tachinus, Gravenhorst, 1806 (Coleoptera) .................................. 35
striatulus, Staphylinus, Fabricius, 1792 (Coleoptera) .................................. 22
striatum, Omalium, Gravenhorst, 1802 (Coleoptera) .................................. 22
Strombiformis Da Costa, 1778 (Gastropoda) .................................................. 12
Styloptocoma Băcescu & Muradian, 1974 (Cumacea) .................................. 264
submetallicum, Camptoceum, Spinola, 1851 (Hymenoptera) ......................... 205
subsultans, Syrus, Fabricius, 1794 (Diptera) ............................................... 133
sublatus, Turbo, Donovan, 1804 (Gastropoda) ............................................. 12

Tachina Meigen, 1803 (Diptera) ................................................................. 122
TACHINIDAE Fleming, 1821 (Coleoptera) ................................................... 122
TACHINIDAE Robineau-Desvoidy, 1830 (Diptera) ....................................... 122
Tachinus Gravenhorst, 1802 (Coleoptera) .................................................. 122
TACHINUSIDAE Fleming, 1821 (Coleoptera) .............................................. 122
TACHYPORIDAE MacLeay, 1825 (Coleoptera) ............................................ 122
Tachyporus Gravenhorst, 1802 (Coleoptera) .............................................. 122
Taninjia Joubin, 1931 (Cephalopoda) ......................................................... 261
testacea, Drosophila, von Roser, 1840 (Diptera) .......................................... 129
Thaumastoilemur Filhol, 1895 (Mammalia) ................................................ 55, 73
Tinaea Geoffroy, 1762 (Lepidoptera) .......................................................... 224
topeka, Cliola (Hybopsis), Gilbert, 1884 (Osteichthyes) .............................. 268
Tortaxis Pilsbry, 1906 (Gastropoda) ............................................................. 258
triangulata, Amicytheridea, Bate, 1975 (Ostracoda) .................................... 116
tridactylum, Amphiuma, Cuvier, 1827 (Amphibia, Caudata) ........................ 73, 151
trilobata, Rana, Mocquard, 1899 (Amphibia, Anura) .................................. 211
tristis, Moniana, Girard, 1857 (Osteichthyes) ............................................ 268
turpior, Dicyonodon, Huene, 1935 (Reptilia) .............................................. 52, 291

versicolor, Hyla, Le Conte, 1825 (Amphibia, Anura) .................................. 151
vespoidea, Sphex, Scopoli, 1763 (Hymenoptera) ........................................ 200
vittipennis, Podisus, Herrich-Schaeffer, 1851 (Heteroptera) ...................... 191

Xeromunda Monterosato, 1892 (Gastropoda) ............................................. 16

Zanclea Gegenbaur, 1856 (Hydrozoa) ......................................................... 184

Geoffroy, E.L. 1762. Histoire abrégée des insectes qui se trouvent aux environs de Paris .......................................................................................... 71, 149, 223

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Text. Typed in double spacing, this should consist of numbered paragraphs setting out the details of the case and leading to a final paragraph of formal proposals. Text references should give dates and page numbers in parentheses, e.g. ‘Daudin (1800, p. 39) described ...’. The Abstract will be prepared by the Secretariat.

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PUBLICATION DATES AND PAGINATION OF THE PRESENT VOLUME

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Pages in Part</th>
<th>Date of publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1–100</td>
<td>26 March 1992</td>
</tr>
<tr>
<td>2</td>
<td>101–180</td>
<td>25 June 1992</td>
</tr>
<tr>
<td>3</td>
<td>181–252</td>
<td>30 September 1992</td>
</tr>
<tr>
<td>4</td>
<td>253–308</td>
<td>17 December 1992</td>
</tr>
</tbody>
</table>

INSTRUCTIONS TO BINDER

The present volume should be bound up as follows:
Title page, Table of Contents (I–VI), 1–308
Note: the covers of the four parts should be bound with the volume
## Contents — continued

### Rulings of the Commission

<table>
<thead>
<tr>
<th>Opinion</th>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1697</td>
<td>Chelifer museorum Leach, 1817 (currently Cheiridium museorum; Arachnida, Pseudoscorpionida): specific name conserved</td>
<td>292</td>
</tr>
<tr>
<td>1698</td>
<td>Brahmaea Walker, 1855 (Insecta, Lepidoptera): Bombyx certhia Fabricius; 1793 confirmed as the type species</td>
<td>294</td>
</tr>
</tbody>
</table>

### Indexes, etc.

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authors in volume 49 (1992)</td>
<td>295</td>
</tr>
<tr>
<td>Names placed on Official Lists and Indexes in rulings of the Commission published in volume 49 (1992)</td>
<td>297</td>
</tr>
<tr>
<td>Key names and works in Applications and Comments published in volume 49 (1992)</td>
<td>301</td>
</tr>
<tr>
<td>Instructions to authors</td>
<td>307</td>
</tr>
<tr>
<td>Publication dates and pagination of volume 49 (1992)</td>
<td>308</td>
</tr>
<tr>
<td>Instructions to binder</td>
<td>308</td>
</tr>
<tr>
<td>Table of Contents of volume 49 (1992)</td>
<td>1</td>
</tr>
</tbody>
</table>
CONTENTS

Notices .......................................................... 253
The European Association for Zoological Nomenclature ........... 254
The International Code of Zoological Nomenclature ............... 254
Official Lists and Indexes of Names and Works in Zoology — Second Supplement to 1990 ..................... 254
Bulletin of Zoological Nomenclature — Crustacea and Mollusca Offprints ................................... 255
Bulletin of Zoological Nomenclature — Back Copies ............... 255
Financial Report for 1991 ........................................ 256

Applications

Tortaxis Pilsbry, 1906 and Allopeas Baker, 1935 (Mollusca, Gastropoda): proposed conservation by the designation of a neotype for Achatina erecta Benson, 1842. F. Naggs ...................................................... 258

Taninana danae Joubin, 1931 (Mollusca, Cephalopoda): proposed precedence over Taninia persica (Naef, 1923). M. Vecchione & C.F.E. Roper ......................... 261

Styloptocuma Băcescu & Muradian, 1974 (Crustacea, Cumacea): proposed conservation with designation of S. antipai Băcescu & Muradian, 1974 as the type species. L.B. Holthuis .............................................. 264

Pachyrhynchos Germar, 1824, Somatodes Schönerr, 1840 and the specific name of Pachyrhynchos montiferus Germar, 1824 (Insecta, Coleoptera): proposed conservation. R.T. Thompson .............................................. 266

Chiloia (Hybopsis) topeka Gilbert, 1884 (currently Notropis topeka; Osteichthyes, Cypriniformes): proposed conservation of the specific name. F.B. Cross & J.T. Collins ................................................................ 268


Pseudoryxgopus Günther, 1881 (Reptilia, Serpentes): proposed conservation. H.M. Smith, K.L. Williams, V. Wallach & D. Chiszar ......................................................... 284

Comments

On the date of publication of John McCrady’s hydrozoan paper Gymnophthalmata of Charleston Harbor. D.R. Calder, L.D. Stephens & A.E. Sanders; A. Gentry .............................................. 287

On the proposed confirmation of unavailability of the name Fusus Helbling, 1779 (Mollusca, Gastropoda). R. Giannuzzi-Savelli .............. 289

On the proposed conservation of the specific name of Melanella (Balcis) alba (Da Costa, 1778) (Mollusca, Gastropoda). R. Giannuzzi-Savelli .............................................. 289

On the proposed attribution of the specific name of Cerattites nodosus (Cephalopoda, Ammonoidea) to Schlotheim, 1813, with the designation of a lectotype. G. Tichy .............................................. 290

On the proposed conservation of Chrysobothris and Dicerca Eschscholtz, 1829 (Insecta, Coleoptera) as the correct original spellings. R.L. Westcott; S. Biły .............................................. 290

On the proposed replacement of the lectotype of Leptocera (Rachispoda) limosa (Fallén, 1820) (Insecta, Diptera). T.A. Wheeler .............................................. 291

On the proposed conservation of Dinodontosaurus Romer, 1943 (Reptilia, Synapsida). S. Bandyopadhyay ......................................................... 291

Continued on Inside Back Cover