

**OPINION 1991 (Case 3131)*****Hybognathus stramineus* Cope, 1865 (currently *Notropis stramineus*; Osteichthyes, Cypriniformes): specific name conserved**

**Keywords.** Nomenclature; taxonomy; Osteichthyes; Cypriniformes; CYPRINIDAE; freshwater fish; sand shiner; *Notropis stramineus*; *Notropis ludibundus*; North America.

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**Ruling**

- (1) Under the plenary power 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) *ludibunda* Girard, 1856, as published in the binomen *Cyprinella ludibunda*;
  - (b) *lineolatus* Putnam, 1863, as published in the binomen *Alburnus lineolatus*.
- (2) The name *stramineus* Cope, 1865, as published in the binomen *Hybognathus stramineus* and as defined by the lectotype (catalogue no. ANSP 4131 in the Museum of Zoology, University of Michigan) designated by Fowler (1910), 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) *ludibunda* Girard, 1856, as published in the binomen *Cyprinella ludibunda* and as suppressed in (1)(a) above;
  - (b) *lineolatus* Putnam, 1863, as published in the binomen *Alburnus lineolatus* and as suppressed in (1)(b) above.

**History of Case 3131**

An application for the conservation of the specific name of *Hybognathus stramineus* Cope, 1865 was received from Prof Reeve M. Bailey (*Museum of Zoology, The University of Michigan, Ann Arbor, Michigan, U.S.A.*) on 16 June 1999. After correspondence the case was published in BZN 56: 240–246 (December 1999). Notice of the case was sent to appropriate journals.

Comments in support were published in BZN 57: 111–112 (June 2000) and BZN 57: 171 (September 2000). An opposing comment was published in BZN 57: 168–170. A reply from the author of the application to the opposing comment was published in BZN 57: 171–172.

It was noted on the voting paper that the list of publications using the names *Notropis stramineus* and *N. ludibundus* compiled by Mr William Poly (*Southern Illinois University, Carbondale, Illinois, U.S.A.*) and mentioned in his comment (BZN 57: 171) had been brought up to date by him (in litt. to the Commission Secretariat, August 2001). In addition to the usage references cited in the application and in the comment by Gilbert et al. (BZN 57: 168–170), the list included 173 works in which the name *stramineus* had been used at specific rank, and 16 works in which it had been used for a subspecies of *N. deliciosus* (Girard, 1856). These publications were post 1959 and most dated from the 1980s and 1990s. There were 15 additional

publications using *ludibundus*, all since 1989 when the name was reintroduced by R.L. Mayden and C.R. Gilbert (para. 2 of the application).

### Decision of the Commission

On 1 September 2001 the members of the Commission were invited to vote on the proposals published in BZN 56: 243. At the close of the voting period on 1 December 2001 the votes were as follows:

Affirmative votes — 17: Bock, Böhme, Brothers, Evenhuis, Fortey, Halliday, Lamas, Macpherson, Mahnert, Martins de Souza, Mawatari, Ng, Nielsen, Papp, Rosenberg, Štys, van Tol

Negative votes — 8: Alonso-Zarazaga, Bouchet, Calder, Cogger, Eschmeyer, Kraus, Minelli and Patterson.

No votes were received from Dupuis, Kerzhner and Song.

Calder commented: 'The case for conservation of the specific name of *Notropis stramineus* (Cope, 1865) has been undermined by usage of its senior subjective synonym *N. ludibundus* (Girard, 1856) in several influential works over the past decade'. Cogger commented: 'A number of relevant questions have not been addressed. How many and what species are represented in the paralectotypic series of *N. ludibundus* and how many are extant, i.e. is the problem caused by an inappropriate lectotype designation or would selection of a different syntype as lectotype have created the same problem? To argue that two properly established names be suppressed on the basis of their subjective synonymy with a well used (but not universally used) junior name is, in my view, unwarranted'. Eschmeyer commented: 'The name *ludibundus* is being adopted by ichthyologists (see para. 7 of the application), and I favor following priority'.

### 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:

- lineolatus*, *Alburnus*, Putnam, 1863, *Bulletin of the Museum of Comparative Zoology, Cambridge, Massachusetts, U.S.A.*, 1: 9.
- ludibunda*, *Cyprinella*, Girard, 1856, *Proceedings of the Academy of Natural Sciences of Philadelphia*, 8(5): 35. (Issued in the serial in 1857 but published as a separate in 1856.)
- stramineus*, *Hybognathus*, Cope, 1865, *Proceedings of the Academy of Natural Sciences of Philadelphia*, 16(8): 283.

The following is the reference for the designation of the lectotype of *Hybognathus stramineus* Cope, 1865:

- Fowler, H.W. 1910. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 62: 274.