

**ANOPLOCEPHALA BLANCHARD, 1848 (CESTODA): PROPOSED  
CONFIRMATION OF ENTRY ON OFFICIAL LIST. Z.N.(S.)2498**

By the Secretary, International Commission on Zoological Nomenclature  
(CIOMS Case No. 3)

The generic name *Anoplocephala* Blanchard, 1848 was placed on the Official List of Generic Names in Zoology in Opinion 77 as follows:

'*Anoplocephala* Blanchard, 1848e, 344–345; tsd *Taenia perfoliata* Goeze, 1782a, 43, 353 (type host *Equus caballus*; Europe). [HSW; S] [Not *Anoplocephala* Stal, 1870, hemipteron.]'

This is to be interpreted as follows: 'Blanchard, 1848e' refers to the comprehensive bibliography published by Stiles & Hassall, 1902, in the *Index Catalogue of Medical and Veterinary Zoology*; 'tsd' means type [species] by subsequent designation; 'HSW; S' means that the case had been studied by a committee of the Helminthological Society of Washington and by Stiles.

When the first instalments of the Official Lists were being prepared in 1958, the Name Number 242 was allotted to *Anoplocephala*; but the entry was not completed because the statement in Opinion 77 was found to be defective: Goeze, 1782 is not a binominal work, and consequently no name acquired availability by having been published in it. In addition, the ruling gives no indication of how, by whom or where the type species was designated.

2. *Anoplocephala*, like *Echinococcus* Rudolphi, 1801 (p. 74), must be considered to be a genus established without any included species (Article 69a(i)), since none was referred to it under an available name. The first subsequent reference of species to the genus that I have traced was by van Beneden, 1858, *Compte rendu Acad. Sci. Paris*, Suppl. vol. 2, p. 144, as follows: 'M. Blanchard a proposé le nom d'*anoplocephala* [sic] pour le Ténia de cheval et celui du lapin (*Tenia perfoliata* et *pectinata*) à cause de l'absence de trompe et de crochets'. This is to be read as a reference to the first use of those specific names as available names. For *perfoliata* this is Schrank, 1788, *Verz. der bisher hinlänglich bek. Eingeweidewürmer*, p. 37. What is to be read as *T. perfoliata* Schrank, 1788 was first subsequently designated as type species of *Anoplocephala* by Braun, 1900, *Bronn's Klassen und Ordnungen Tierr*, vol. 4, p. 1657.

3. Before these particulars can be incorporated in the Official List entry for *Anoplocephala*, and before *T. perfoliata* Schrank can be entered on the Official List of Specific Names in Zoology, the status of *Taenia equina* Pallas, 1781 must be considered. Goeze's original name for *T. perfoliata*—*T. equina perfoliata*—could be taken for a normal trinomen, with *perfoliata* used with subspecific rank, were it not for the fact that the polynominal character of his work makes all names in it unavailable. *T. equina* Pallas, though senior to *T. perfoliata* Goeze, seems to have been treated as an



invalid synonym of it from an early date and then to have disappeared altogether from use as a valid name. I have examined the Supplements Part 3, Parasite-subject index, to the *Index Catalogue* from Supplement 15, 1966 to Supplement 23, 1982. I find 48 uses of *perfoliata* by a large number of authors; and no mention of *equina* in combination with either *Anoplocephala* or *Taenia*. Furthermore, Lichtenfels, 1975, *Proc. helminthol. Soc. Washington*, vol. 42, special issue, p. 9, lists '*T. equina* Pallas, 1781, part' in the synonymy of *A. perfoliata*, though no clear disposition is made of the remainder of the species. It seems certain that the name serves no useful purpose and that it can be suppressed without causing any disturbance to stability of nomenclature.

4. The International Commission on Zoological Nomenclature is accordingly requested:

- (1) to use its plenary powers to suppress the specific name *equina* Pallas, 1781, as published in the binomen *Taenia equina*, for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;
- (2) to confirm the entry of *Anoplocephala* on the Official List of Generic Names in Zoology and to complete it as follows: *Anoplocephala* Blanchard, 1848 (gender: feminine), type species, by subsequent designation by Braun, 1900, *Taenia perfoliata* Schrank, 1788 (Name Number 242);
- (3) to place on the Official List of Specific Names in Zoology *perfoliata* Schrank, 1788, as published in the binomen *Taenia perfoliata* (specific name of type species of *Anoplocephala* Blanchard, 1788);
- (4) to place the generic name *Anoplocephala* Stål, 1870 (a junior homonym of *Anoplocephala* Blanchard, 1848) on the Official Index of Rejected and Invalid Generic Names in Zoology;
- (5) to place the specific name *equina* Pallas, 1781, as published in the binomen *Taenia equina*, and as suppressed under the plenary powers in (1) above, on the Official Index of Rejected and Invalid Specific Names in Zoology.

#### NOTE ADDED IN PROOF

I am grateful to Dr Ralph Lichtenfels (*Biosystematic Parasitology Laboratory USDA, Beltsville, Maryland U.S.A.*) for having 'checked the card files of the Index-Catalogue of Medical and Veterinary Zoology to determine whether any additional records of *Taenia equina* were known, especially between Stiles & Hassall's 1912 "Cestoda and Cestodaria" and the publication of the parasite-subject index which began in 1966'. There were only two such references and I have verified both of them, as follows:

- (1) Becker, R., 29 Sept. 1923, Zur Nomenklatur der Pferdebandwürmer (*Anoplocephalidae*), *Centralbl. Bakteriol. etc.*, Abt. 1, Originale, vol. 91 (1), pp. 63-67. In this historical review, *Taenia equina* Pallas is referred to, but not as a valid name; *T. perfoliata* is recognised as valid.



(2) Sprehn, C. E. W. 1932, *Lehrb. Helminthol.*, pp. 407. 416. *Taenia equina* Pallas is divided into three parts: one is treated as an invalid synonym of *Anoplocephala perfoliata* (Goeze, 1782), the second as an invalid synonym of *A. magna* (Abildgaard, 1789), and the third as an invalid synonym of *Paranoplocephala mamillana* (Mehlis, 1831).

It is thus practically certain that *Taenia equina* Pallas has not been used as a valid name at least since 1912, and probably for very much longer.

R. V. MELVILLE

Secretary



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