



Revision of *Hermadion* Kinberg, 1856, with a redescription of *Hermadion magalhaensi* Kinberg, 1856, *Adyte hyalina* (G.O. Sars, 1873) n. comb. and *Neopolynoe acanellae* (Verrill, 1881) n. comb. (Polychaeta: Polynoidae)

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Abstract

Examination of all species previously referred to the genus *Hermadion* revealed that the type species, *H. magalhaensi* Kinberg, 1856, is the only valid species in the genus. *H. magalhaensi* is redescribed and its synonymy with *Hermadion longicirratum* Kinberg, 1856, *Hermadion kerguelensis* McIntosh, 1885, and *Lagisca laevis* Hartmann-Schröder, 1962, is discussed. The generic attribution of 12 species that had already been moved from *Hermadion* to other genera by earlier authors is confirmed. Following our re-examination four species are moved to other genera: *Harmothoe ornatus* (Hartman, 1967) n. comb., *Harmothoe africanus* (Hartman, 1974) n. comb., *Adyte hyalina* (G.O. Sars, 1873) n. comb., and *Neopolynoe acanellae* (Verrill, 1881) n. comb., are redescribed. Due to lack of type material and insufficient descriptions *Hermadion sabatieri* Darboux, 1900, and *H. fauveli* Gravier, 1918 are considered indeterminable polynoids. *Hermadion fugax* Giard, 1890 is a nomen nudum, because a formal description has never been published. The generic diagnosis of *Hermadion* is emended and the validity of *Hermadionella* Uschakov, 1982 is confirmed. An identification key and synoptic tables of characters are provided for all genera considered here.

Key words: Taxonomy, Antarctic, Eunoae, Harmothoe, Hermadionella, Subadyte, identification key

Introduction

The genus *Hermadion* was erected by Kinberg (1856) based on *Hermadion magalhaensi* Kinberg, 1856 as the type species. Since 1856, a total of 23 species were assigned to *Hermadion* by various authors (Table 3). The genus *Hermadionella* was separated from *Hermadion* by Uschakov (1982) with *Harmothoe (Eunoa) truncata* Moore, 1902 as the type species which had previously been assigned to *Hermadion* by Moore (1908). The only other species currently attributed to *Hermadionella* is *H. nipponicus* (Imajima and Hartman, 1964).

In the literature, the taxonomy of *Hermadion* and some other polynoid genera appear rather confused, since neither the respective generic nor specific identification characters have been critically evaluated. As a consequence species originally described as belonging to *Hermadion* have subsequently been moved to *Adyte* Saint-Joseph, 1899, *Antarctinoe* Barnich, Fiege, Micaletto and Gambi, 2006, *Eunoae* Malmgren, 1866, *Harmothoe* Kinberg, 1856, *Hermadionella* Uschakov, 1982, and *Subadyte* Pettibone, 1969 by various authors (Table 3). To clarify the taxonomic status and to provide an up to date distinction of *Hermadion* from the genera mentioned above we re-examined all available type material and descriptions of species originally or subsequently attributed to *Hermadion*, except for those already covered in the revisions by Pettibone (1969) and Barnich *et al.* (2006).

A synoptic table of characters and key for the differentiation among genera (Tables 1 and 2) to which former species of *Hermadion* have been moved is provided in order to facilitate identification.