



Revision of some ophiuroid records (Echinodermata: Ophiuroidea) from Argentina

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Abstract

The taxonomy of some ophiuroids reported from off Argentina, western Antarctica and the SW Atlantic Ocean is reviewed. The species *Amphilepis sanmatiensis*, known only from the small holotype, is a synonym of *Amphioplus lucyae*. This synonymy removes the only reported endemic ophiuroid from Argentina. The species name “*Ophiacantha ingrata* Koehler, 1923” used for specimens from South Georgia is invalid; the specimens are likely to belong to one of two cryptic species within the *O. vivipara* complex. Specimens of *Amphiura joubini* reported from Argentina are re-identified as *Amphiura princeps*, and specimens of *Ophiactis amator* from the Antarctic Peninsula are re-identified as *Ophiactis asperula*.

Key words: Brittle stars, Ophiacanthidae, Amphiuridae, *Amphioplus*, *Amphilepis*, *Ophiactis*

Introduction

Ophiuroids from Argentina are poorly studied. To date the only taxonomic studies of the group were performed by Bernasconi (1965), Tommasi (1968), and Bernasconi and d'Agostino (1971, 1974, 1975a, 1977). The first local reports of ophiuroids mentioned the presence of *Gorgonocephalus chilensis* (Philippi, 1858) and *Amphipholis squamata* (Delle Chiaje, 1828) in the region (Bernasconi 1926, 1934). A recent bibliographic review listed 32 species from the area in 20 genera from 9 families (Brogger *et al.* 2013). The objective of the present work was to revise some of the ophiuroid material from the Invertebrate Collection of the Museo Argentino de Ciencias Naturales “Bernardino Rivadavia” (MACN).

Abbreviations include d.d. for disc diameter.

Systematic account

Family Ophiacanthidae

Ophiacantha vivipara Ljungman, 1871

(Fig. 1)

Ophiacantha vivipara Ljungman, 1871: 471.—Lyman, 1878: 149.—Lyman, 1882: 185–186, pl. 46(7–9).—Studer, 1882: 23–24.—Koehler, 1907: 321–323 (in part).—Koehler, 1908: 276.—Koehler, 1914: 96.—Koehler, 1922: 12–13.—Mortensen, 1936: 246–248, fig. 5a, pl. 7(2).—Bernasconi, 1965: 151–152.—Castillo-Alarcón, 1968: 45–47, fig. R, pl. 1(4,6).—Bernasconi, 1973: 331–332.—Bernasconi & d'Agostino, 1977: 107–109, pl. 10(3,4).—Lucchi, 1985: 133–134, fig. 49–50.
Ophiacantha ingrata.—Bernasconi & d'Agostino, 1975b: 19–21, pl. 1(3–4).—Bernasconi & d'Agostino, 1978: 217 [Non *Ophiomitrella ingrata* Koehler, 1908].
?Ophiacantha vivipara.—Tommasi *et al.*, 1988: 6.