

***Heteranthesius hoi*, a new species
(Copepoda: Pseudanthesiidae) from a sea-anemone in the
Straits of Gibraltar, with remarks on the genus**

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Abstract. — An unknown species of *Heteranthesius* is described as *H. hoi* and is compared with the three previously known species: *H. dubius* (T. Scott 1903), *H. scotti* Bocquet et al., 1959 and *H. furcatus* Stock, 1971. This is the first time male and female of this genus have been found together. The diagnostic characters of this species are two claws on the terminal segment of the second antenna and third segment of leg 4 exopodite with the armature formula II, I, 5. The diagnosis of the genus is modified to incorporate these and other features.

Resumen. — Se describe una nueva especie del género *Heteranthesius*, *H. hoi*, y se compara con las tres especies conocidas hasta ahora: *H. dubius* (T. Scott 1903), *H. scotti* Bocquet et al., 1959 y *H. furcatus* Stock, 1971. Esta es la primera vez que se ha encontrado el macho y la hembra de este género juntos. Las características típicas de la especie son: dos garfios terminales del último segmento de la segunda antena y la armadura del tercer segmento del exopodito de la pata cuarta, II, I, 5. Se modifica la diagnosis del género incorporando éstas y otras características.

In the course of research on copepod fauna associated with marine invertebrates from the Straits of Gibraltar and nearby areas, a female and male of copepod belonging to the genus *Heteranthesius* were found in the coelenteron of the sea-anemone *Aiptasiogeton pellucidus* (Hollard 1848). The genus *Heteranthesius* was erected by T. Scott (1904) for *Paranthesius dubius* T. Scott, 1903. *Paranthesius* T. Scott was replaced by *Heteranthesius* since the former name had been preoccupied by *Paranthesius* Claus, 1889, another copepod crustacean.

Three species have been recognized in *Heteranthesius*: *H. dubius* (T. Scott 1903), *H. scotti* Bocquet et al., 1959 and *H. furcatus* Stock, 1971. *Heteranthesius dubius* was described from a male dredged in British waters. *Heteranthesius scotti* was found in

washings of the calcareous alga *Lithophyllum incrustans* from Brittany. *H. furcatus* was collected in the branchial cavity of the ascidian *Microcosmus sabatieri*; this was the first time that the genus was found in Mediterranean waters. Two males of an undetermined *Heteranthesius* species were collected recently from the Irish coasts (Holmes & Gotto 1992). In this paper, *Heteranthesius hoi*, new species, is described and compared with the other species of the genus. The diagnosis of *Heteranthesius* is modified to accommodate the new features shown by *H. hoi*.

Material and Methods

Aiptasiogeton pellucidus was collected on stones from the infralittoral zone (4 m deep).