



Pycnogonida (Arthropoda) from the eastern Mediterranean Sea with description of a new species of *Anoplodactylus*

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Abstract

Material of Pycnogonida was collected by scuba diving and snorkelling in the eastern Mediterranean Sea from the Aegean Sea to northern Cyprus in 1995–2002; some additional samples were taken in 2006 (mainly in Gencelli Cove, Turkey). This yielded the first record of *Ammothella appendiculata* for the region. *A. longioculata* and *Callipallene spectrum* are newly recorded for Turkey. A hitherto undescribed and tiny species of *Anoplodactylus* was found. The insufficiently known adult stage of *Ammothella uniunguiculata* is figured by SEM photograph.

Key words: *Anoplodactylus*, Phoxichilidiidae, Pycnogonida, Mediterranean Sea, eastern Mediterranean

Introduction

The fauna of the eastern Mediterranean Sea is still insufficiently studied, especially with regard to the Pycnogonida. There is a handful of faunistic papers available: Arnaud (1976 and review 1987), Lipkin & Safriel (1971), Stock (1958 a,b, 1962), Kocak & Katagan (2007a,b), and two papers (in press) by Kocak & Katagan. Chimenz Gusso & Lattanzi (2003) give a more recent review of Mediterranean Pycnogonida fauna with at least 56 species known.

The 24 pycnogonid species recorded so far from the eastern Mediterranean are as follows:

Family Ammotheidae: *Ammothella longipes* (by Helfer 1936; Arnaud 1976; Arnaud 1987). *A. uniunguiculata* (by Arnaud 1976). *A. longioculata* (by Stock 1958b; Kocak & Katagan 2007a). *Achelia* cf. *echinata* (by Arnaud 1976). *A. echinata* (by Stock 1958b; Arnaud 1987). *A. langi* (by Kocak & Katagan 2007b). *A. vulgaris* (by Stock 1958a; Arnaud 1987). *Tanystylum orbiculare* (by Helfer 1936; Stock 1958a,b; Stock 1962; Arnaud 1976; Arnaud 1987). *T. conirostre* (by Arnaud 1976). *Trygaeus communis* (by Arnaud 1987). It should be noted that some older identifications of *Tanystylum orbiculare* before the publication of Krapp (1973) might in reality refer to *T. conirostre*.

Family Phoxichilidiidae: *Anoplodactylus petiolatus* (by Stock 1958a; Arnaud 1976; Arnaud 1987). *A. pygmaeus* (by Stock 1958a; Arnaud 1976). *A. virescens* (by Arnaud 1976). *A. digitatus* (by Stock 1958b as *A. saxatilis*; Lipkin & Safriel 1971; Arnaud 1987). *A. californicus* (by Stock 1958b; Stock 1962; Lipkin & Safriel 1971 as *A. portus*). *A. angulatus* (by Stock 1958a)

Family Rhynchothoracidae: *Rhynchothorax mediterraneus* (by Arnaud 1987)

Family Callipallenidae: *Callipallene emaciata* (by Helfer 1936 as “*Pallene brevirostris*”; as *C. emaciata emaciata* by Arnaud 1976 and 1987). *C. phantoma* (by Arnaud 1976 and 1987). *C. spectrum* (by Helfer 1936