

## A707

A Marine Harpacticoid, *Porcellidium erythrum* Hicks, 1971 and *Porcellidium algoense* Hicks, 1982 New to Korea (Crustacea: Copepoda: Porcellidiidae)

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Only 2 species in genus *Porcellidium* of Porcellidiidae are recorded in Korean waters. With the study on the taxonomy of genus *Porcellidium*, *P. erythrum* Hicks and *P. algoense* Hicks were collected from the *Hizikia fusiformis*(Harvey) Okamura of the intertidal zone of Gamundong, Cheju Island in Dec. 1994. The two species newly reported from Korea, are redescribed and illustrated.

## A708

The 18S rRNA Sequences and Evolutionary Position of Order Antipatharia (Anthozoa: Cnidaria)

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The Antipatharia(black or thorny coral) are colonial anthozoans characterized by brown or black, thorny and horny axial skeleton. According to the classical systematics based on morphological characters, antipatharians belong to subclass Hexacorallia or to subclass Ceriantipatharia with order Ceriantharia. Because their relationships have long remained equivocal like this, their systematic relationships must be reconsidered.

The present study was attempted to reappraise the phylogeny of them by the analysis of their sequencing data of 18S rDNA. The sequencing data aligned by using CLUSTAL V and analyzed their phylogenetic relationships with PAUP and PHYLIP program. As the results, all species belonging to anthozoans show a monophyletic group, but order Antipatharia is not closely related to order Ceriantharia and more related to order Actiniaria within subclass Hexacorallia. Therefore order Antipatharia have to be divided into different group from subclass Ceriantipatharia.