



***Rhadinoplax*, a new genus of Progeryonidae Števčić, 2005,  
for *Carcinoplax microphthalmus* Guinot & Richer de Forges, 1981,  
and a redescription of *Paragalene longicrura* (Nardo, 1868)  
(Crustacea: Decapoda: Brachyura: Goneplacoidea)**

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## Abstract

*Rhadinoplax*, **new genus**, is described for *Carcinoplax microphthalmus* Guinot & Richer de Forges, 1981, a species previously included in the family Goneplacidae MacLeay, 1838. The new genus is transferred to the family Progeryonidae Števčić, 2005, superfamily Goneplacoidea. The poorly known progeryonid, *Paragalene* Kossmann, 1878, is also redescribed and figured.

**Key words:** Crustacea, Decapoda, Brachyura, Goneplacoidea, Progeryonidae, *Rhadinoplax* **new genus**, *Carcinoplax microphthalmus*, *Paragalene longicrura*, *Progeryon*

## Introduction

In his revision of the Goneplacidae MacLeay, 1838, Castro (2007) left the status of *Carcinoplax microphthalmus* Guinot & Richer de Forges, 1981, unresolved. He stated that while it was clearly not a species of *Carcinoplax* H. Milne Edwards, 1852, it was also not a member of the Goneplacidae as he defined it, and commented that it had affinities with the Euryplacidae Stimpson, 1871. Similarly, the affinities of the poorly known *Paragalene longicrura* (Nardo, 1868) have not been clear, although it was most recently referred to the Progeryonidae Števčić, 2005, by Ng & Manuel-Santos (2007).

The problems of the Goneplacidae and Goneplacoidea are challenging, and often confusing (see Guinot & Breton 2006; Ng & Manuel-Santos 2007; Castro 2007), but the situation has become much clearer in recent years. The detailed redescription of some problematic genera and species has helped clarify the issues considerably. Most recently for the Goneplacoidea, Ng & Manuel-Santos (2007) established a new family, recognised the Mathildellidae Karasawa & Kato, 2003, as a valid family, and redefined two doubtful families, Conleyidae Števčić, 2005, and Progeryonidae Števčić, 2005. Ng & Castro (2007) and Castro (2007) also redefined the Euryplacidae with a suite of diagnostic characters.

In the present paper, we resolve the generic and familial classification of *Carcinoplax microphthalmus* Guinot & Richer de Forges, 1981. It is transferred to a new genus, *Rhadinoplax*, and the family Progeryonidae Števčić, 2005, as defined by Ng & Manuel-Santos (2007). The species is redescribed and figured in detail, the new genus diagnosed, and its taxonomy treated. *Paragalene longicrura* (Nardo, 1868) is also redescribed, figured in detail and its taxonomy discussed. The following abbreviations are used in the text: cl = carapace