



Zootaxa 2375: 1–130 (2010)  
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Monograph

ISSN 1175-5326 (print edition)

**ZOOTAXA**

ISSN 1175-5334 (online edition)

# ZOOTAXA

2375

## Revision of the family Euryplacidae Stimpson, 1871 (Crustacea: Decapoda: Brachyura: Goneplacoidea)

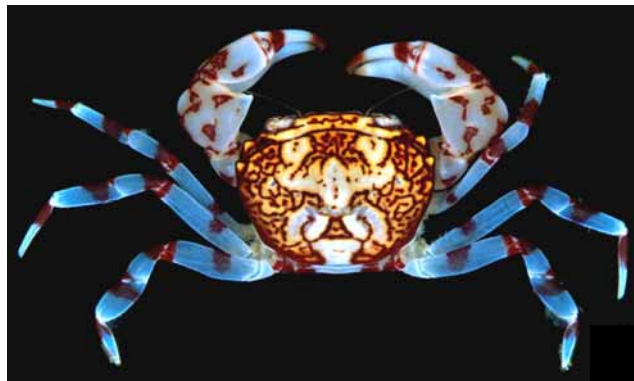
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Magnolia Press  
Auckland, New Zealand

Accepted by S. Ahyong: 23 Jan. 2010; published: 26 Feb. 2010

PETER CASTRO & PETER K. L. NG  
**Revision of the family Euryplacidae Stimpson, 1871**  
**(Crustacea: Decapoda: Brachyura: Goneplacoidea)**

(*Zootaxa* 2375)

130 pp.; 30 cm.

26 Feb. 2010

ISBN 978-1-86977-463-9 (paperback)

ISBN 978-1-86977-464-6 (Online edition)

FIRST PUBLISHED IN 2010 BY

Magnolia Press

P.O. Box 41-383

Auckland 1346

New Zealand

e-mail: [zootaxa@mapress.com](mailto:zootaxa@mapress.com)

<http://www.mapress.com/zootaxa/>

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ISSN 1175-5326(Print edition)

ISSN 1175-5334 (Online edition)

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## Abstract

The family Euryplacidae Stimpson, 1871, traditionally included in the Goneplacidae MacLeay, 1838, is revised based on the examination of the type material of many of its species as well as unidentified and previously identified material from around the world. The revised family now consists of 31 species (including five that are described as new) belonging to 13 genera (including four that are described as new): *Eucrate* De Haan, 1835, with eight species, of which one is new; *Euryplax* Stimpson, 1859, with two species; *Frevillea* A. Milne-Edwards, 1880, with three species; *Henicoplax* n. gen., with five species of which three are new; *Heteroplax* Stimpson, 1858, monotypic; *Machaerus* Leach, 1818, with two species; *Nancyplax* Lemaitre, García-Gómez, von Sternberg & Campos, 2001, monotypic; *Platyozius* Borradaile, 1902, monotypic; *Psopheticoides* Sakai, 1969, monotypic; *Systroplax* n. gen., monotypic; *Trissoplax* n. gen., with two species, of which one is new; *Trizocarcinus* Rathbun, 1914, with two species; *Villoplax* n. gen., monotypic; and *Xenocrate* Ng & Castro, 2007, monotypic. The genus *Platyozius* and *Eucrate formosensis* Sakai, 1974, are removed from the synonymy of *Eucrate* and *E. alcocki* Serène, in Serène & Lohavanijaya, 1973, respectively. Neotypes are selected for *Heteroplax dentata* Stimpson, 1858, and *Pilumnoplax sulcatifrons* Stimpson, 1858, two species described from Hong Kong that have a confusing taxonomic history. A neotype is also selected for *Euryplax nitida* Stimpson, 1859, described from the Florida Keys. Seven nominal species described by other authors were found to be junior subjective synonyms for other species: *Eucrate affinis* Haswell, 1882, *E. costata* Yang & Sun 1979, *E. haswelli* Campbell 1969, and *Pseudorhombila sulcatifrons* var. *australiensis* Miers, 1884, of *Trissoplax dentata* (Stimpson, 1858); *Galene laevimanus* (Lucas, in Jacquinot & Lucas, 1853) of *Eucrate dorsalis* (White, 1849); *Heteroplax nagasakiensis* Sakai, 1934, of *H. transversa* Stimpson, 1858; and *Pilumnoplax sulcatifrons* Stimpson, 1858, of *Eucrate crenata* (De Haan, 1835). Eight euryplacid genera are exclusively found in the Indo-West Pacific region (except one species introduced in the Mediterranean), one is exclusive to each the Eastern Atlantic and Tropical Eastern Pacific regions, three to the Western Atlantic region, and one genus has both Western Atlantic and Tropical Eastern Pacific species.

**Key words:** Decapoda, Crustacea, Brachyura, Goneplacoidea, Euryplacidae, new genera, new species, revision, *Eucrate*, *Euryplax*, *Frevillea*, *Henicoplax* n. gen., *Heteroplax*, *Machaerus*, *Nancyplax*, *Platyozius*, *Psopheticoides*, *Systroplax* n. gen., *Trissoplax* n. gen. *Trizocarcinus*, *Villoplax* n. gen., *Xenocrate*

(MNHN), P. Davie (QM), C. Fransen (RMNH), A. Johnson (MCZ), S. Keable (AM), S. Keable and H. Stoddard (AM), T. Komai (CBM), E. Lazo-Wasem (YPM), R. Lemaitre (USNM), J. W. Martin (LACM), N. K. Ng (ZRC), and J. Olesen (ZMUC). The second author thanks M. Deb for entrusting him with her unpublished manuscript of Indian crabs. Some of the photographs (not all used here) were taken by S. Ah Yong (NIWA, Wellington, New Zealand), T.-Y. Chan (National Taiwan Ocean University, Keelung, Taiwan), J.-F. Dejouanet (IRD au MNHN, Département Systématique et Évolution), K. Li, R. Naderloo (Forschungsinstitut Senckenberg, Frankfurt), T. Naruse (University of the Ryukyus), D. Poon, Z. Jaafar (ZRC), R. Springthorpe (AM), and H. H. Tan (ZRC). Very special thanks go to J.-F. Dejouanet for his drawings, which were made during the course of two visits to NUS, aided by grants from the Raffles Museum of Biodiversity Research. Comments by P. Davie and D. Guinot were most valuable in making the manuscript more readable and complete. The Vanuatu material was collected during the SANTO 2006 expedition organized by MNHN, Pro Natura International (PNI), and IRD. The expedition was supported by the Stavros Niarchos Foundation, and its marine part, with a Census of Marine Life's CReefs label, was made possible grants from the Total and Sloan foundations and the National Geographic Committee for Research and Exploration. The expedition operated under a permit granted to P. Bouchet by the Environment Unit of the Government of Vanuatu.

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