

FORTY YEARS OF TROPICAL DEEP-SEA BENTHOS AND THE TAXONOMY OF NINE FAMILIES OF BRACHYURAN CRABS

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TRAPEZIOIDEA: TRAPEZIIDAE & TETRALIIDAE



Castro, P., 1997. Trapeziid crabs of New Caledonia, eastern Australia, and the Coral Sea. Le benthos des fonds meubles des lagons de Nouvelle-Calédonie (B. Richer de Forges, ed.). *Etudes et Thèses*, 3: 59-107.

NEW SPECIES – 1

NEW RECORDS – 3

Castro, P., P.K.L. Ng & S.T. Ahyong, 2004 Phylogeny and systematics of the Trapeziidae Miers, 1886, with the description of a new family. *Zootaxa*, 643: 1-70.

NEW FAMILY – 1

NEOTYPE - 1

Castro, P., 2005. A new species of *Hexagonalia* from the Solomon Islands. Proceedings of the Biological Society of Washington, 118: 539-542.

NEW SPECIES – 1

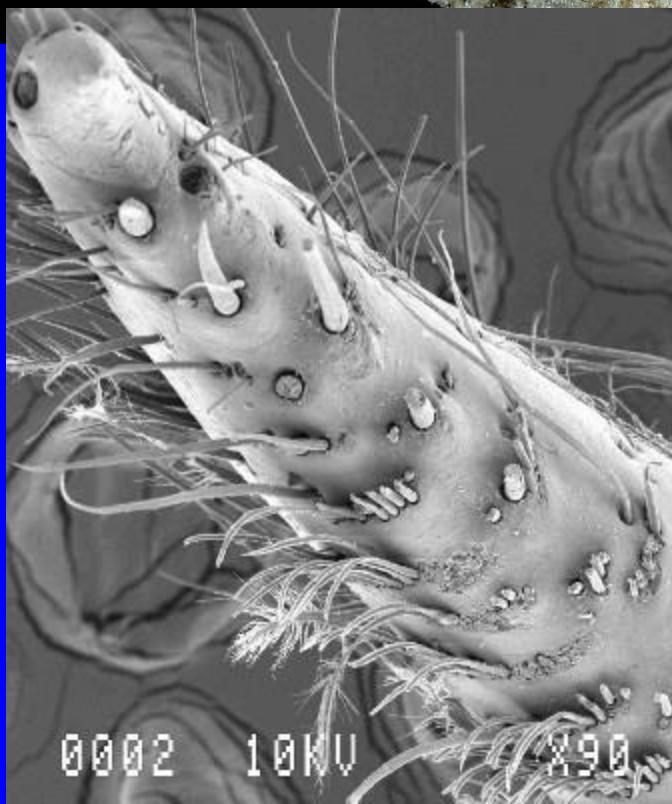
Castro, P., 2009. Trapeziidae and Tetraliidae of the Philippines (PANGLAO 2004), New Guinea, and Vanuatu (SANTO 2006). *Raffles Bulletin of Zoology*, Supplement 20: 271-281.

NEW RECORDS – 18

Castro, P., 2013. Brachyuran crabs (Crustacea, Brachyura:) of the MAINBAZA, MIRIKI, and ATIMO VATAE expeditions to the Mozambique Channel and Madagascar. In: Ahyong, S.T, Chan, T.-Y, Corbari, L. & Ng, P.K.L. (eds.). *Tropical Deep Sea Benthos*, 27: 437-466).

NEW RECORD - 1

Sphenomerides





PALICOIDEA: PALICIDAE & CROSSOTONOTIDAE



Castro, P., 2000. Crustacea Decapoda: A revision of the Indo-west Pacific species of palicid crabs (Brachyura Palicidae). In: Résultats des Campagnes MUSORSTOM (A. Crosnier, ed.), vol. 21. *Mémoires du Muséum National d'Histoire Naturelle*, 184: 437-610.

NEW GENERA – 4 (= 50% of Palicidae)

NEW SPECIES – 15 (= 24% of Palicidae; 38% of Indo-West Pacific species)

NEW RECORDS – 51

Castro, P., 2010. A new species and new records of palicoid crabs (Crustacea: Brachyura: Palicoidea: Palicidae, Crossotonotidae) from the Indo-West Pacific region. *Zoosystema*, 32: 73-86.

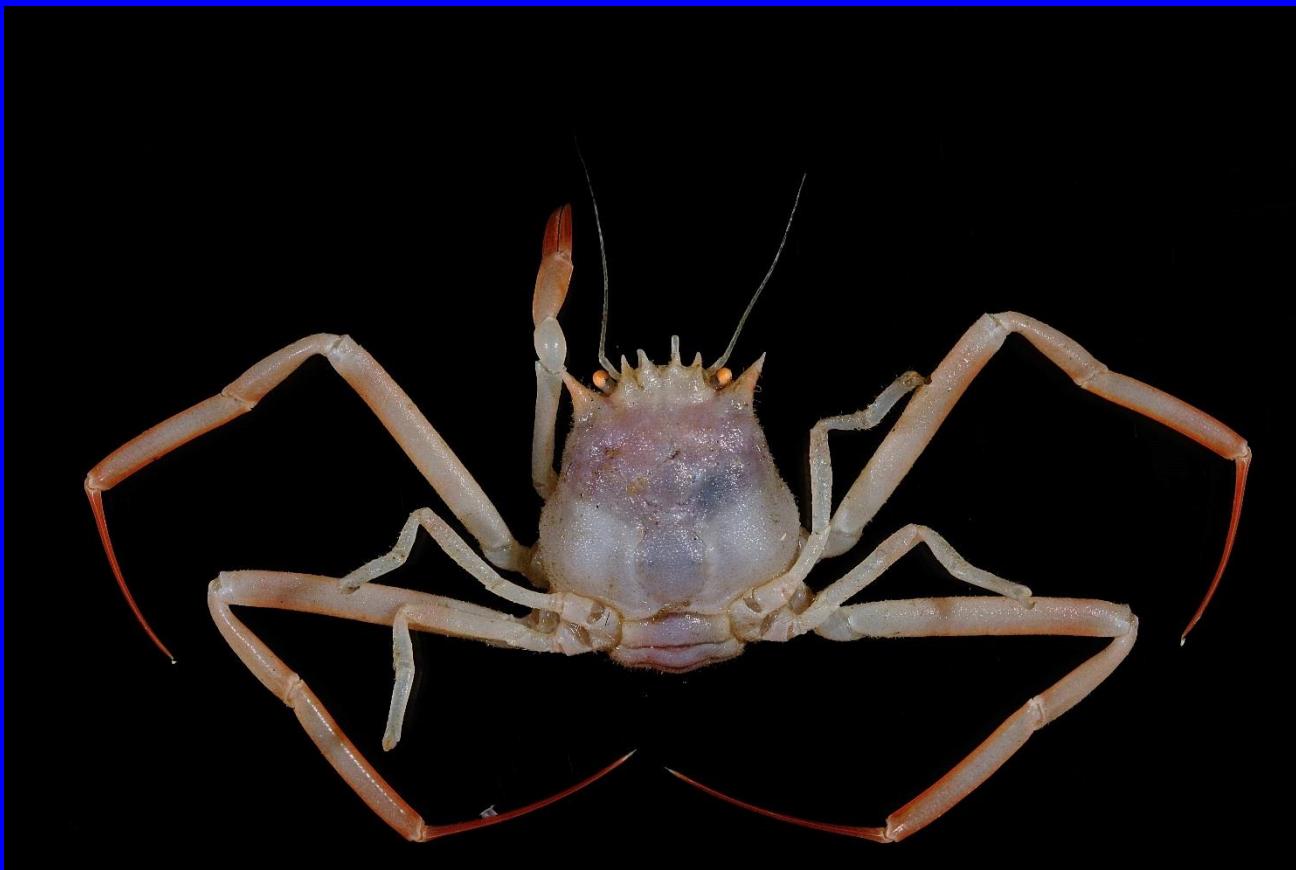
NEW SPECIES – 1

NEW RECORDS – 21

Castro, P., 2013. Brachyuran crabs of the MAINBAZA, MIRIKI, and ATIMO VATAE expeditions to the Mozambique Channel and Madagascar. In: Ahyong, S.T, Chan, T.-Y, Corbari, L. & Ng, P.K.L. (eds.). *Tropical Deep Sea Benthos*, 27: 437-466.

NEW RECORDS – 3

ETHUSIDAE



Castro, P., 2005. Crabs of the family Ethusinae Guinot, 1977 (Crustacea, Brachyura, Dorippidae) of the Indo-West Pacific region. *Zoosystema*, 27: 499-600.

NEW SPECIES – 11 (= 18% of all Indo-West Pacific species)

NEW RECORDS – 41

Naruse, T., P. Castro & P.K.L. Ng, 2009. A new genus and new species of Ethusidae from Vanuatu, Western Pacific. In: De Grave, S., Ahyong, S.T., Bruce, N.L. & von Vaupel Klein, C.J. (eds.). *Crustaceana*, 82: 931-938.

NEW GENUS - 1

NEW SPECIES – 1

Castro, P., 2013. Brachyuran crabs of the MAINBAZA, MIRIKI, and ATIMO VATAE expeditions to the Mozambique Channel and Madagascar. In: Ahyong, S.T, Chan, T.-Y, Corbari, L. & Ng, P.K.L. (eds.). *Tropical Deep Sea Benthos*, 27: 437-466.

NEW SPECIES – 1

NEW RECORDS – 2

GONEPLACIDAE



Castro, P., 2007. A reappraisal of the family Goneplacidae MacLeay, 1838 (Crustacea, Decapoda, Brachyura) and revision of the subfamily Goneplacinae, with the description of 10 new genera and 18 new species. *Zoosystema*, 29: 609-773.

NEW GENERA – 8 (= 62%)

NEW SPECIES – 17 (= 28%)

NEW RECORDS – 57

Castro, P. & P.K.L., Ng, 2010. A new genus and species of goneplacid crab from the western Pacific. In: Castro, P., Davie, P.J.F., Ng, P.K.L. & Richer de Forges, B. (eds.), *Studies on Brachyura: a Homage to Danièle Guinot. Crustaceana Monographs*, 11: 51–60.

NEW GENUS - 1

NEW SPECIES – 1

Naruse, T. & P. Castro, 2010. Two new species of *Singhaplax* Serène & Soh, 1976 from the Philippines and Solomon Islands. In: Fransen, C., De Grave, S. & Ng, P. (eds.), *Studies in Malacostraca, Lipke Holthuis Bijdeley Memorial Volume. Crustaceana Monographs*: 14: 535-546.

NEW SPECIES – 2

Castro, P., 2009. Two new species of *Carcinoplax* H. Milne Edwards, 1852, and *Pycnoplax* Castro, 2007, from the western Pacific, and a description of the female of *Thyraplax truncata* Castro, 2007 (Crustacea, Decapoda, Brachyura, Goneplacidae). *Zoosystema*, 31: 949-957.

NEW SPECIES – 2

Castro, P., 2012. Goneplacid crabs of the MAINBAZA and MIRIKI expeditions to the Mozambique Channel, with the description of a new species of *Pyncoplax* Castro, 2007, In: Komatsu, H., Okuno, J. & Fukuoka K. (Eds.), *Studies on Eumalacostraca: A Homage to Masatsune Takeda. Crustaceana Monographs* 17: 91-104.

NEW SPECIES – 1

NEW RECORDS – 3

Castro, P., 2013. Brachyuran crabs of the MAINBAZA, MIRIKI, and ATIMO VATAE expeditions to the Mozambique Channel and Madagascar. In: Ahyong, S.T, Chan, T.-Y, Corbari, L. & Ng, P.K.L. (eds.). *Tropical Deep Sea Benthos*, 27: 437-466.

NEW RECORDS – 3

EURYPLACIDAE



Ng, P.K.L. & Castro, P., 2007. On a new genus and species of euryplacid crab (Crustacea: Decapoda: Brachyura: Goneplacoidea) from the Philippines. *Zootaxa*, 1549: 43-53.

NEW GENUS - 1

NEW SPECIES – 1

Castro, P. & P.K.L. Ng, 2010. Revision of the family Euryplacidae Stimpson, 1871 (Crustacea: Decapoda: Brachyura: Goneplacoidea). *Zootaxa* 2375: 1-130.

NEW GENUS - 1

NEW RECORDS – 15

LATREILIIDAE



Castro, P., A.B. Williams & L.L. Cooper, 2003. Revision of the family Latreilliidae Stimpson, 1858 (Crustacea, Decapoda, Brachyura). *Zoosystema*, 25: 601-634.

NEW RECORDS – 17

CHASMOCARCINIDAE



Ng, P. K. L. & P. Castro, 2016. Revision of the family Chasmocarcinidae Serène, 1964
(Crustacea, Brachyura, Geneplacoidea). *Zootaxa* (in press).

NEW GENERA – 5 (= 38%)

NEW SPECIES – 15 (= 30%)

NEW RECORDS – 10

For all nine families:

New family – 1

New genera – 21

New species – 118

New records – 227