



The Sarawak Museum Journal

Vol. XXXVII No. 58

December 1987



ISSN: 0375-3050

E-ISSN: 3036-0188

Citation: Ng, P. K. L. (1987). Freshwater Crabs of the Genus *Isolapotamon* Bott, 1968 from Sarawak, Borneo (Crustacea, Decapoda, Brachyura, Potamidae). The Sarawak Museum Journal, XXXVII (58): 139-154

FRESHWATER CRABS OF THE GENUS *ISOLAPOTAMON* BOTT, 1968 FROM SARAWAK, BORNEO (CRUSTACEA, DECAPODA, BRACHYURA, POTAMIDAE)

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INTRODUCTION

The true freshwater crab fauna of Borneo (Sarawak, Sabah, Brunei and Kalimantan) is rich, and 40 species from the two major freshwater crab superfamilies Gecarcinucoidea and Potamoidea are presently known (Bott, 1970; Holthuis, 1979; Ng, 1986a, b, c, d; Ng & Goh, in press; Ng & Yang, 1986). Yet, as recently as 1979, Holthuis described one new genus and five new species from Sarawak, suggesting that the freshwater crab fauna in this part of the world is still far from completely known.

For the superfamily Potamoidea, only 11 species have so far been recognised from Borneo, nine of which belong to the genus *isolapotamon* Bott, 1968. This paucity in species is very surprising indeed, considering that Peninsular Malaysia, which has a much smaller land area, has 21 species and subspecies of potamoids (unpublished data).

Through the kindness of Mr. Charles M.U. Leh, Zoologist in the Sarawak Museum, the author was able to examine the extensive materials contained there as well as make some collections in the field. Not surprisingly, study of this material revealed that many of the species had been incorrectly identified.

Twelve species of *isolapotamon* are presently recognised from Borneo. Six are from Sarawak, two of which are here described as new;

isolapotamon consobrinum (De Man, 1899)

isolapotamon doriae (Nobili, 1900)

isolapotamon collinsi Holthuis, 1979

isolapotamon grusophallus Ng & Yang, 1986

isolapotamon bauensis sp. nov.
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isolapotamon nimboli sp. nov.

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ISOLAPOTAMON BOTT, 1968 FROM SARAWAK, BORNEO
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For the superfamily Potamoidea, only 11 species have so far been recognised from Borneo, nine of which belong to the genus *Isolapotamon* Bott, 1968. This paucity in species is very surprising indeed, considering that Peninsular Malaysia, which has a much smaller land area, has 21 species and subspecies of potamoids (unpublished data).

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Isolapotamon consobrinum (De Man, 1899)

Isolapotamon doriae (Nobili, 1900)

Isolapotamon collinsi Holthuis, 1979

Isolapotamon grusophallus Ng & Yang, 1986

Isolapotamon bauensis sp. nov.

Isolapotamon nimboni sp. nov.

Isolapotamon anomalum (Chace, 1938), *I. griswoldi* (Chace, 1938), and *I. kinabaluense* (Rathbun, 1904) are known from Sabah while *I. mahakamense* (De Man, 1899) was described from central Borneo (Kalimantan). *Isolapotamon consobrinum* was originally described from west Kalimantan. Two new species, *I. naiadis* and *I. beeliae* were also recently described from southern Kalimantan (Ng, 1986d).

In this paper, the two new species are characterised and compared with related species. The identity of *I. consobrinum* is clarified, and the poorly known *I. doriae*, which Bott (1970) had synonymised with *I. mahakkamense*, is resurrected as a distinct taxon. Brief taxonomic notes are also made of *I. collinsi* and *I. grusophallus*.

Bott (1970), in his revision of the Asian freshwater crab fauna recognised a new family, the Isolapotamidae for the genera *Isolapotamon*, *Nanhai-potamon* Bott, 1968, and *Malayopotamon* Bott, 1968. Ng & Yang (1985, 1986) questioned the validity of this family because of the lack of distinct familial characters, and preferred to regard these genera merely as members of the Potamidae *sensu lato* instead. Their approach is adopted in this paper.

Specimens are deposited in the Sarawak Museum (SM), Kuching, East Malaysia, Borneo; Museum Zoologicum Bogoriense (MZB), Bogor, Indonesia; Zoological Reference Collection (ZRC), National University of Singapore; Museo Civico di Storia Naturale "Giacomo Doria" (MGE), Genova, Italy and the Rijksmuseum van Natuurlijke Historie (RMNH), Leiden, Netherlands. The abbreviations G1 and G2 are for the male first and second pleopods respectively. All measurements provided are of the carapace width and length respectively.

TAXONOMY

FAMILY POTAMIDAE ORTMANN, 1896

GENUS *ISOLAPOTAMON* BOTT, 1968

Isolapotamon consobrinum (De Man, 1899)

(Pls IV, V, Fig. 1)

?*Telphusa sinuatifrons* Miers, 1880, Ann. Mag. nat. Hist., (5)5: 305

Potamon (*Potamon*) *consobrinus* De Man, 1899, Notes Leyden Mus., 21: 99 (part), Pl. 9 fig. 10b, f, Pl. 10 fig. 10

Potamon (*Potamon*) *mahakkamense* Nobili, 1903, Boll. Mus. Zool. Anat. comp. Univ. Torino, 18(447): 14

Potamon (*Potamon*) *mahakkamense* Rathbun, 1904, Nouv. Arch. Mus., (4)6: 268 (part)

Potamon (*Potamon*) *consobrinus* Rathbun, 1904, Nouv. Arch. Mus., (4)6: 269 (part)

Isolapotamon (*Isolapotamon*) *consobrinum* Bott, 1968, Senckenbergiana biol., 49: 121, Fig. 4a, b

Isolapotamon consobrinus Bott, 1970, Ahn. Senckenb. naturforsch. Ges., 526: 194, Pl. 41 fig. 82, Pl. 56 fig. 83

Potamon (*Potamon*) *consobrinum* Leh, 1982, Checklist Crust. Sarawak Mus., : 4

Potamon (*Potamon*) *mahakkamense* Leh, 1982, Checklist Crust. Sarawak Mus., : 4 (part)

(not *Potamon* (*Potamon*) *mahakkamense* De Man, 1899)