



## Redescription of *Periclimenes brockii* (De Man, 1888) (Decapoda: Caridea: Pontoniinae) and other De Man's type specimens deposited in the collection of the Senckenberg Natural History Museum (SMF), Frankfurt-at-Maine, Germany

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### Abstract

The type specimens of 3 species described by Dr. Johannes Govertus De Man, *Cuapetes amymone* (De Man, 1902), *Periclimenella spinifera* (De Man, 1902), *Periclimenes brockii* (De Man, 1888), were re-examined in the collection of the Senckenberg Natural History Museum (SMF), Frankfurt-at-Maine, Germany. *Periclimenes brockii* De Man, 1888 is found to be a senior synonym of *Allopontonia iaini* Bruce, 1972 and *Periclimenes priodactylus* Bruce, 1992.

**Key words:** Crustacea, Decapoda, Caridea, *Allopontonia*, De Man, type specimen, redescription

### Introduction

Most of species described by Dutch zoologist Dr. Johannes Govertus De Man (De Man, 1888, 1902) from Dr. J. Brock's material collected at the island of Ambon (Amboina), Indonesia in 1884-1985 year were deposited in the Zoological Museum, Göttingen, Germany (ZMG) and later transferred to the Senckenberg Natural History Museum, Frankfurt-at-Maine, Germany (SMF). The collection of the Senckenberg Museum presently includes the type specimens of 4 species described by De Man - 2 syntypes of *Cuapetes amymone* (De Man, 1902) (described as *Periclimenes amymone*, SMF 8526), holotype of *Periclimenella spinifera* (De Man, 1902) (as *Periclimenes petithouarsii* var. *spinifera*, SMF 8524), 2 of 3 syntypes of *Periclimenes brockii* (De Man, 1888) (as *Anchistia brockii*, ZMG 818) and holotype of *Manipontonia psamathe* (De Man, 1902) (as *Anchistia psamathe*, SMF 8530). The holotype female of *Manipontonia psamathe* was recently redescribed (Marin, in press). Two species, *C. amymone* and *P. spinifera*, are well known pontoniine shrimps widely distributed in shallow waters of the tropical Indo-West Pacific (e.g. Bruce, 1980; Āuriš & Bruce, 1995) whereas *P. brockii* De Man, 1888 is a poorly known species which hasn't been redescribed since its original description (De Man, 1888). In the present paper, the type specimens of *C. amymone*, *P. spinifera* and *P. brockii* are partly re-described while the taxonomical position of *P. brockii* is changed since the species has been found to be a senior synonym of *Allopontonia iaini* Bruce, 1972 and *Periclimenes priodactylus* Bruce, 1992. Postorbital carapace length (PCL, in mm) is used as a standard measurement of size.