



Article

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***Macrobrachium hungi*, a new freshwater palaemonid prawn (Decapoda: Caridea: Palaemonidae) from the Tonle Sap Great Lake of Cambodia**

NGUYEN VAN XUAN

Faculty of Fisheries, Nông Lâm University (formerly The University of Agriculture & Forestry), Linh Trung Ward, Thu Duc District, Ho Chi Minh city, Vietnam.

E-mail: nvxuan_uaf@yahoo.com.vn

Abstract

A new species of the genus *Macrobrachium*, *M. hungi* was collected in the Tonlé Sap Great Lake of Cambodia. The adult males of this species show a close resemblance to *Macrobrachium saigonense* Xuân 2006, but they are larger, the rostrum is longer, distally directed upwards or not, with more numerous dorsal and ventral teeth; the tubercles on both sides of the cutting edge on the distal portion of the movable finger are vestigial or crescent shape and less prominent than those of *M. saigonense*. Notes on economic importance and its habitat which differs from *M. saigonense* are briefly provided.

Key words: Decapoda, Palaemonidae *Macrobrachium*, Tonlé Sap Lake, Cambodia

Introduction

During a trip in the Siem Reap Province of Cambodia, Dr. Le Thanh Hùng had an opportunity to collect some prawns of the genus *Macrobrachium*. In Cambodia, *Macrobrachium lanchesteri* is present in lowland ricefields in Kompong Thom Province (Balzer, T., Balzer, P. and Pon, S. (2002), *Macrobrachium* sp. (*M.* sp4) was collected in Siem Reap Province by Min, Y. L., Cai, Y. X. & Tzeng, C. S. (2007) and *M. rosenbergii* (De Man, 1897) was also collected in the Tonlé Sap by Wowor, D. & Ng, P. (2007). The specimens examined in this present study were purchased from local market of Siem Reap Province near the Tonle Sap Great Lake of Cambodia, and preserved in 75 % alcohol before dissecting.

The abbreviation, tl is used for total length, measured from the tip of the rostrum to the tip of the telson in the fully stretched animal; cl is used for carapace length measured from the postorbital margin to dorsal posterior margin of the carapace; rl used for rostral length, measured from the tip of the rostrum to post orbital margin in straight line; the length of the curved rostrum and curved dactyl is measured in a straight line. All measurements are in millimeters. Type material is deposited in the Zoological Collection of the Oxford University Museum of Natural History (OUMNH-ZC) and in the collection holding of the author, in the Faculty of Fisheries of Nong Lam University (MK).

Taxonomy

Family Palaemonidae Rafinesque, 1815

Genus *Macrobrachium* Spence Bate, 1868

***Macrobrachium hungi*, sp. nov.**

(Figs 1–6)

Material examined. Holotype: Adult full grown ♂, OUMNH.ZC.2011-10-015 (tl 89, cl 20.4, rl 22.7), Tonlé Sap Lake (13° 0'N 104° 0'E), 20/1/2003. Paratypes: 3 ♂: OUMNH.ZC.2011-10-016 (cl 21.3, apex of rostrum broken), OUMNH.ZC.2011-10-017 (tl 85.5, cl 20, rl 22.5), OUMNH.ZC.2011-10-018 (tl 80, cl 19, rl 20); ♀, OUMNH.ZC.2011-10-019 (tl 80.5, cl 17.7, rl 21.2); post ovigerous ♀, OUMNH.ZC.2011-10-020 (tl 77, cl 17, rl 18); ovigerous ♀, OUMNH.ZC.2011-10-021 (tl 62, cl 13.7, rl 15) mm. All same data as holotype.