



New western Pacific records of Homolidae De Haan, 1839, with descriptions of new species of *Homolochunia* Doflein, 1904, and *Latreillopsis* Henderson, 1888 (Crustacea: Decapoda: Brachyura)

BERTRAND RICHER DE FORGES¹ & PETER K. L. NG²

¹ Institut de Recherche pour le Développement, BPA5, Nouméa cedex, New Caledonia. E-mail: richer@noumea.ird.nc

² Tropical Marine Science Institute and Department of Biological Sciences, National University of Singapore, Kent Ridge, Singapore 119260, Republic of Singapore. E-mail: peterng@nus.edu.sg

Table of contents

Abstract	2
Introduction	2
Systematic account.....	2
Family Homolidae De Haan, 1839.....	2
<i>Homola</i> Leach, 1815	2
<i>Homola coriolisi</i> Guinot & Richer de Forges, 1995	2
<i>Homola ikedai</i> Sakai, 1979	5
<i>Homola mieensis</i> Sakai, 1979	5
<i>Homola orientalis</i> Henderson, 1888	6
<i>Homolochunia</i> Doflein, 1904	6
<i>Homolochunia valdiviae</i> Doflein, 1904	6
<i>Homolochunia gadaletae</i> Guinot & Richer de Forges, 1995	7
<i>Homolochunia kullar</i> Griffin & Brown, 1976	7
<i>Homolochunia menezis</i> n. sp.	8
<i>Homolomannia</i> Ihle, 1912	11
<i>Homolomannia sibogae</i> Ihle, 1912	11
<i>Homolomannia occlusa</i> Guinot & Richer de Forges, 1981	14
<i>Ihlopsis</i> Guinot & Richer de Forges, 1995	17
<i>Ihlopsis tirardi</i> Guinot & Richer de Forges, 1995	17
<i>Lamoha</i> Ng, 1998	17
<i>Lamoha inflata</i> (Guinot & Richer de Forges, 1981)	18
<i>Lamoha longipes</i> (Alcock & Anderson, 1899)	20
<i>Lamoha longirostris</i> (Chen, 1986)	20
<i>Lamoha superciliosa</i> (Wood-Mason & Alcock, 1891)	23
<i>Latreillopsis</i> Henderson, 1888	27
<i>Latreillopsis bispinosa</i> Henderson, 1888	27
<i>Latreillopsis gracilipes</i> Guinot & Richer de Forges, 1981	28
<i>Latreillopsis tetraspinosa</i> Dai & Chen, 1980	28
<i>Latreillopsis trispinosa</i> n. sp.	31
<i>Paromolopsis</i> Wood-Mason & Alcock, 1891	32
<i>Paromolopsis boasi</i> Wood-Mason & Alcock, 1891	32
<i>Yaldwynopsis saguili</i> Richer de Forges & Ng, 2007	33
Acknowledgements	33
References	33

Abstract

Several species of rarely reported deep-sea homolid crabs are recorded from various locations in the western Pacific: *Homola ikedai*, *H. mieensis*, *H. coriolisi*, *Homolomannia occlusa*, *Homolochunia kullar*, *H. valdiviae*, *H. gadaletae*, *Lamoha superciliosa*, *L. longipes*, *L. longirostris*, *L. inflata* and *Yaldwynopsis saguili*. Two new species are described as new, *Homolochunia menezis* **n. sp.**, from the Solomon Islands and *Latreillopsis trispinosa* **n. sp.** from the Philippines.

Key words: Brachyura, Homolidae, new records, new species, western Pacific

Introduction

Indo-West Pacific homolids have been relatively well studied over the last two decades (Guinot & Richer de Forges 1995) but there are still regular surprises, with many substantial range extensions and a good number of new species still being reported (e.g. Ng 1998b; Ng & Chen 1999; Tan et al. 2000; Ng & Wang 2002; Richer de Forges & Ng 2007).

We here report on a new series of specimens provided by several deep-sea cruises in the western Pacific. These include recent material from the Philippines obtained in collaboration with the Philippines Ministry of Fisheries (BFAR) (Richer de Forges et al 2005), from Taiwan by scientists from the National Taiwan Ocean University in Keelung, the workshop *cum* cruise of the SANTO 2006 expedition, as well as cruises carried out in the Melanesian Arc, New Caledonia and Solomon Islands onboard the French research vessel *Alis*. This material includes representatives of several rare species like *Lamoha longirostris*, *L. longipes*, *L. inflata* and *L. superciliosa*, each known from less than 10 specimens. Even more surprising was the discovery of a new species of *Homolochunia*. One Philippine species allied to *L. bispinosa* and *L. tetraspinosa*, originally recognized as new by Guinot and Richer de Forges (1995: 398) but not formally named, is also described.

The terminology used in this report follows that of Guinot & Richer de Forges (1995). The authorships and years for the various species described by Wood-Mason & Alcock from the *Investigator* cruises follow Ng (1998a). The measurements, in millimeters, are of the carapace length and width, respectively. Specimens examined are deposited in the Muséum national d'Histoire naturelle, Paris (MNHN); Crustacean Collection of the National Museum of the Philippines, Manila (NMCR); Wakayama Museum of Natural History, Japan (WMNH); and Zoological Reference Collection of the Raffles Museum of Biodiversity Research, National University of Singapore (ZRC). Genera and species are treated in alphabetical order although type species are always listed first.

Systematic Account

Family Homolidae De Haan, 1839

Homola Leach, 1815

Homola coriolisi Guinot & Richer de Forges, 1995

(Figs. 1B, D, 15A)

Homola coriolisi Guinot & Richer de Forges, 1995: 342, figs. 9f, 11e–f, 12D, 13d. – Cleva et al. 2007: 249, fig. 17B. – Richer de Forges & Ng 2007: 32. – Ng et al. 2008: 40.

Material examined. Vanuatu: Espiritu Santo I., SANTO 2006, stn. AT 10, 15°41.1'S 167°00.5'E, 509–659 m, 17 September 2006: 1 male (12.8 x 11.2 mm) (MNHN-B31278).—Stn. AT 72, 15°44.1'S 167°03.3'E, 618–722 m, 7 October 2006: 1 female (15.1 x 12.9 mm, photographed) (ZRC 2008.0976).