

中国扇贝科的研究

I. 拟日月贝亚科一新种*

王 祯 瑞

(中国科学院海洋研究所)

扇贝科中的拟日月贝亚科 (Propeamussiinae) 与日月贝亚科 (Amusiinae) 相近似, 但这一亚科的多数种贝壳较小、半透明, 具有内肋。除少数生活在潮下带几十米深的水域外, 多数生活在数百米到数千米的深海。拟日月贝亚科中虽有冷水种和暖水种, 但都是些数量较少的稀有种。迄今, 这一亚科在我国近海只发现 2 种, 一种为深海拟日月贝 *Bathyamussium jeffreysi* (Smith, 1885) (图版 I: 4, 5), 分布在东海和南海 200—600 米深处, 在我国为首次记录。另有一新种, 系我所 1976—1978 年在东海大陆架采获的标本, 现记述于下。

中华拟日月贝 (新种) *Ctenamussium sinensis* sp. nov. (图版 I: 1—3)

正模式标本 标本号 (V570B-52), 壳长 11.92 毫米、高 10.6 毫米、宽 2.2 毫米。1978 年 6 月 11 日采自 124°E, 26°30'N, 水深 138 米处的细砂底。

副模式标本 标本号 (V563B-14), 壳长 11.8 毫米、高 10.5 毫米、宽 2.16 毫米, 1978 年 6 月 15 日采自 126°E, 28°30'N, 水深 116 米处的细砂底; V554B-35, 壳长 9.56 毫米, 高 8.44 毫米, 宽 1.7 毫米, 1976 年 9 月 21 日采自 126°30'E, 28°30'N, 水深 126 米处的细砂底; V485B-48, 壳长 9.66 毫米, 高 8.2 毫米, 宽 1.8 毫米, 1976 年 6 月 27 日采自 127°E, 29°30'N, 水深 107 米处的中砂底; V557B-42, 壳长 8.2 毫米, 高 7.4 毫米, 宽 1.38 毫米, 1976 年 9 月 21 日采自 125°E, 28°30'N, 水深 104 米处的细砂底。

正副模式标本均保存在中国科学院海洋研究所。

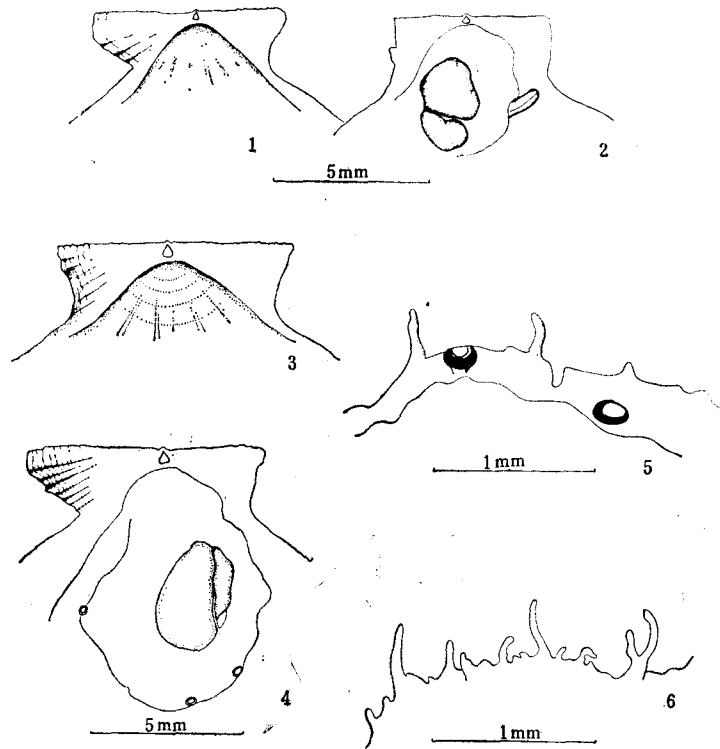
贝壳小、薄脆、半透明、两侧不等, 两壳亦不等。右壳比左壳小, 较平。贝壳背缘较直, 具有细锯齿。壳高小于壳长。两耳不等大, 呈三角形, 一般前耳较大, 后耳较小。右壳前耳具有较浅的足丝孔, 但没有栉齿。左壳的外表面具有很多较细的放射肋, 肋与肋之间的距离较宽, 放射肋上具有许多规则的生长鳞片。左壳呈淡橙肉色, 近壳缘处呈白色, 而在副模式标本中有的几乎都是白色。右壳呈白色, 光滑、具光泽。贝壳内面具有 10—12 条内肋, 这些放射肋的末端较粗, 常呈结栉状。内韧带小、褐色、三角形。两外套较薄, 外套缘较厚、褐色, 具有长短不等的纤细触手。外套眼较大, 但数目较少, 只见于右侧的外套缘。两鳃瓣较细薄、褐色。闭壳肌较大, 呈长椭圆形。足小, 呈细柱状, 具有足丝沟(图 1—6)。

本新种与 *Ctenamussium cmadoritinctum* (Kuroda, 1931) 较相似, 但亦有明显的差别, 前者贝壳较长, 壳两侧不等、透明, 左壳表呈浅橙肉色, 或近乳白色。贝壳内面具有 10—12

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中华拟日月贝 *Ctenamussium sinensis* sp. nov. 内部形态图

1.右壳 2.左壳、闭壳肌及足 3.左壳 4.右壳及闭壳肌 5.右侧外套眼 6.左侧外套触手

条放射肋；后者贝壳较高、两侧略等，左壳表具有橙红色而边缘为白色的花纹，贝壳内面有9条放射肋。

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STUDY ON CHINESE SPECIES OF THE FAMILY PECTINIDAE (MOLLUSCA BIVALVIA)*

I. A NEW SPECIES OF THE SUBFAMILY PROPEAMUSSIINAE

Wang Zhenrui

(Institute of Oceanology, Academia Sinica)

Abstract

The present study is based mainly on the collection of Propeamussiinae from the East and South China Sea by the Institute of Oceanology, Academia Sinica, during 1959—1978. There are two species. One is *Bathyamussium jeffreysi* (Smith) which is first recorded from our seas and tend to occur in deeper waters, the other *Ctenamussium sinensis*, is a new species. The description of the new species is given below:

Ctenamussium sinensis sp. nov. (plate I: 1—3)

Holotype V570B-52, Length 11.92 mm, Height 10.6 mm, Breadth 2.2 mm, collected from the East China Sea (26°30'N, 124°00'E) in June 11, 1978, 138 m in depth, sand bottom.

Paratypes V563B-14, Length 11.8 mm, Height 10.5 mm, Breadth 2.16 mm, collected from the East China Sea (28°30'N, 126°00'E) in June 15, 1978, 116 m in depth, sand bottom; V554B-35, Length 9.56 mm, Height 8.44 mm, Breadth 1.7 mm, collected from the East China Sea (28°30'N, 126°30'E) in September 21, 1976, 126 m in depth, sand bottom; V485B-48, Length 9.66 mm, Height 8.2 mm, Breadth 1.8 mm, collected from the East China Sea (29°30'N, 127°00'E) in June 27, 1976, 107 m in depth, mid sand bottom; V557B-42, Length 8.2 mm, Height 7.4 mm, Breadth 1.38 mm, collected from the East China Sea (28°30'N, 125°00'E) in September 21, 1976, 104 m in depth, sand bottom.

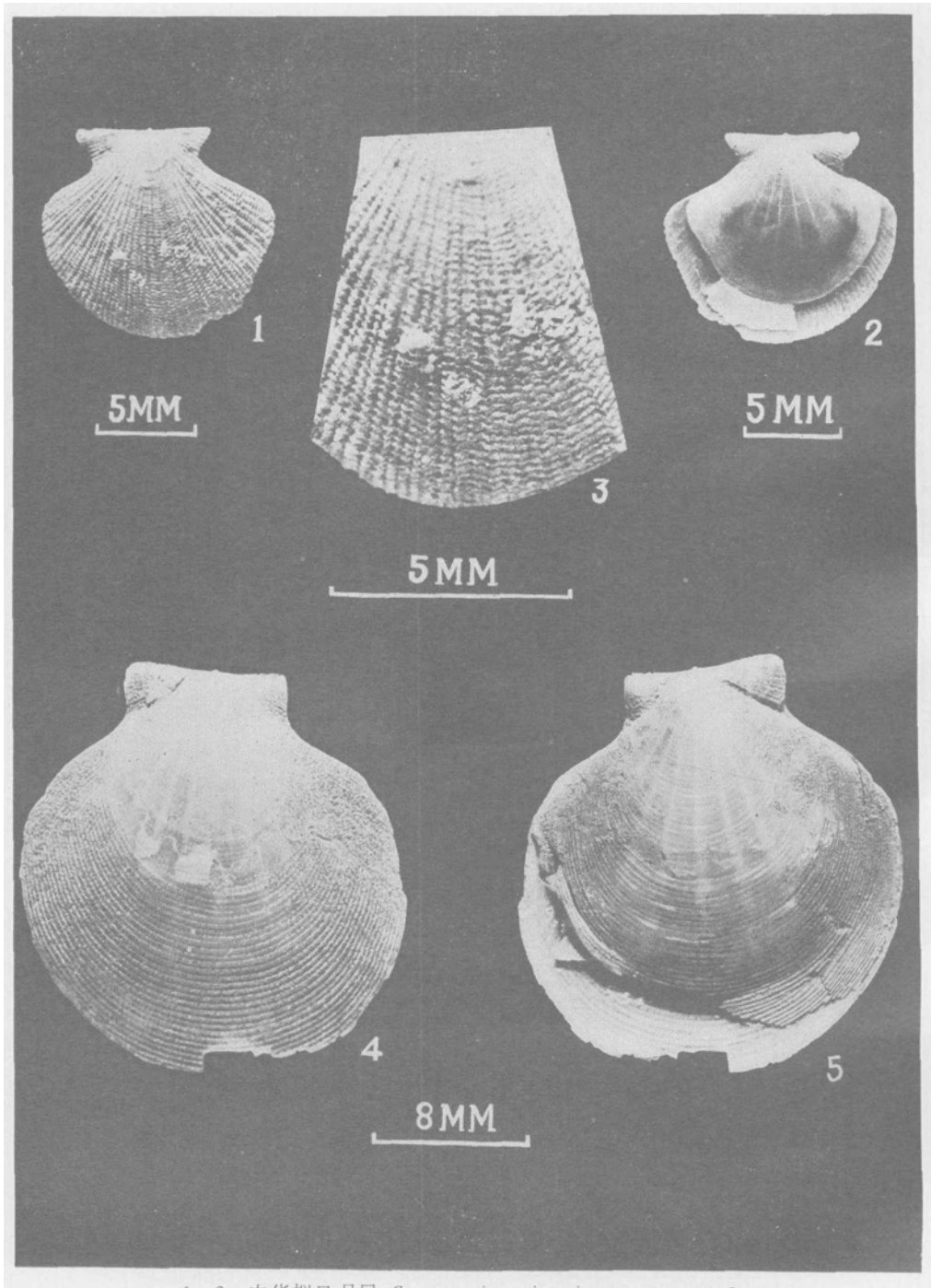
Holotype and Paratype are deposited in the Institute of Oceanology, Academia Sinica, Qingdao.

Shell small, thin, fragile, translucent, slightly inequilateral and inequivalve, the right valve is smaller than the left and nearly flat. Dorsal edge straight, with serrations. The height of the shell is less than the length. Auricles unequal in size, the anterior auricle is larger than the posterior one, but both are trigonal. The right valve has a shallow byssal sinue, but without etenodium. The external surface of the left valve is marked by numerous fine radial striae, which are surmounted by regular scales. The interspaces of these striae are rather broad. The left valve has a light orange-flesh colouration but nearer by the edge it is white. However in the paratype, the whole shell are almost white. The right valve is smooth and transparent, almost white in colour. The inner of the shell has 10—12 costae. Each costa is provided with a terminal nodule at its distal end. The internal ligament is small, brown and triangular. Both mantles are thin, mantle edge thick, brown, with some slender tentacles of

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varying lengths. The pallial eyes are rather large, but only present on the edge of the right mantle. Gills delicate, brown in colour. Adductor muscle large, elongate elliptical in shape. Foot small, cylindrical with a byssal groove.

Remarks The new species is very similar to the *Ctenamussium cmadoritinctum* (Kuroda, 1931) but it differs from the latter in its rather longer, translucent and inequivalve shell, light orange-flesh or milk white colouration, as well as 10—12 internal costae of the shell.



1—2. 中华拟日月贝 *Ctenamussium sinensis* sp. nov. $\times 2.8$

3. 中华拟日月贝 *Ctenamussium sinensis* sp. nov. $\times 6$

4—5. 深渊拟日月贝 *Bathyamussium jeffreysi* (Smith) $\times 2.6$

(图中 MM 均应为 mm)