

# Two Unrecorded Molluscan Species (*Atrina teramachii* and *Liocranchia reinhardti*) from Korean Waters

Min Ho Son

Marine Eco-technology Institute, 485-1 Yongdang-dong, Nam-gu, Busan 608-830, Korea

## ABSTRACT

Two molluscan species belonging to Bivalvia (*Atrina teramachii* Habe) and Cephalopoda (*Liocranchia reinhardti* Steenstrup) were found new to the Korean malacofauna. The author report, consequently, two additional molluscan species new to the fauna with figures and remarks on slight morphological variation comparing to the original and previous descriptions.

**Key words:** *atrina teramachii*, *liocranchia reinhardti*, korean waters.

## INTRODUCTION

A number of molluscan species were newly added to the Korean malacofauna recently by Min *et al.* (2004) (116 molluscan species) and Lee *et al.* (2004) (18 Nudibranchia species).

## SYSTEMATIC ACCOUNT

Class **BIVALVIA**

Subclass Protobranchia

Order Pterioidea

Suborder Pinnina

Superfamily Pinnoidea

Family Pinnidae Leach, 1819

Genus *Atrina* Gray, 1842

***Atrina teramachii* Habe, 1953 테라마치키조개 (신칭) (Fig. 1)**

*Atrina teramachii* Habe, 1953, p. 192, pl. 25, fig. 5;  
Bernard, Cai and Morton, 1993, p. 42; Okutani,  
2000, p. 889, pl. 442, fig. 13

**Material examined:** Vicinity of Komumdo (Island) (34°02' 171" N, 127°45' 038" E), 11 Sept. 2001, dredge, ca. 110 m in depth, sandy mud, shell length = 69.3-76.4 mm, 2 specimens.

**Remarks:** Shell morphology of the present specimen was coincide with that of the one type (shell surface smooth) of the original description and Okutani (2000).

Class **CEPHALOPODA**

Subclass Coleoidea

Order Teuthoidea

Suborder Oegopsida

Family Cranchiidae 원양원통오징어 과 (신칭)

Subfamily Cranchiinae 원양원통오징어 아과 (신칭)

Genus *Liocranchia* 미끈원양원통오징어 속 (신칭)

***Liocranchia reinhardti* Steenstrup, 1856 미끈원양원통오징어 (신칭) (Fig. 2)**

*Liocranchia reinhardti* Steenstrup, 1856, p. 200, fig. 16; Pfeffer, 1884, p. 25, pl. 3, fig. 35; Hoyle, 1886, p. 184, pl. 31, figs. 11-14, pl. 32, figs. 1-4; Lönnberg, 1896, p. 609, figs. 1-4; Chun, 1906, p. 84; Sasaki, 1929, pp. 332-336, pl. 26, fig. 16, pl. 27, figs. 1-4, textfigs. 154-158.

*L. brockii* Pfeffer, 1884, p. 25, pl. 3, figs. 33, 33a.

*L. elongata* Issel, 1908, p. 220, pl. 10, figs. 28-32.

Received Oct 28, 2008; Revised Nov 15, 2008; Accepted May 25, 2009

Corresponding author: Min Ho Son

Tel: +82 (51) 611-6200 e-mail: mhson@marine-eco.co.kr  
1225-3480/25201

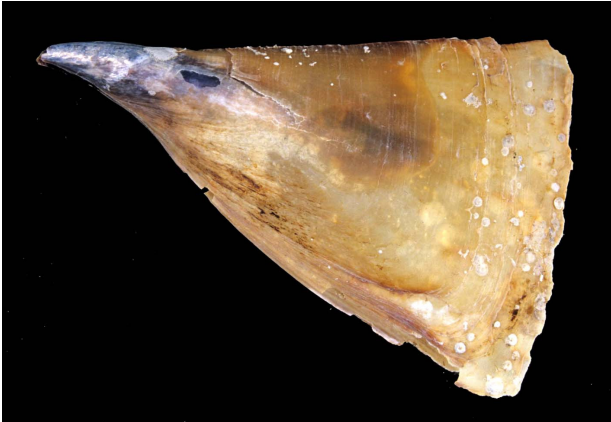


Fig. 1. *Atrina teramachiii* Habe



Fig. 2. *Liocranchia reinhardtii* Steenstrup

*L. intermedia* Robson, 1924, p. 594.

**Material examined:** Vicinity of Jeju-do (Island) (34°12' 019" N, 125°31' 029" E), 4 Oct. 2003, 'O'-ring larval fish net, ca. 45 m in depth, (dorsal) mantle length = 72.3 mm, 1 specimens (adult).

**Remarks:** Korean name of this species was derived

from the following point of view: 1. the species belonging to the Genus *Liocranchia* has a smooth mantle surface, 2. this species usually distributes in the open sea, and 3. the mantle of this species looks like a stout pipe-shaped.

## REFERENCES

- Bernard, F.R., Cai, Y.Y. and Morton, B. (1993) Catalogue of the Living Marine Bivalve Molluscs of China. 146 pp. Hong Kong University Press, Hong Kong.
- Chun, C. (1906) Über die Geschlechtsverhältnisse der Cephalopoden. *Zoologischer Anzeiger*, **29**: 743-753. [in Deutsch]
- Habe, T. (1953) Pinnidae, Placunidae and Anomiidae in Japan. In: Illustrated Catalogue of Japanese Shells (ed. by Kuroda, T.). No. 24, pp. 185-200. Japan Photo-Printing Co., Ltd., Tokyo.
- Hoyle, W.E. (1886) Report on the Cephalopoda Collected by H.M.S. Challenger During the Years 1873-76. pp. 1-246. Edinburgh.
- Issel, R. (1908) Raccolte planctoniche fatta dalla R. Nave Liguria. 4. Molluschi. Pt. 1, Cefalopodi plactonici. pp. 201-243. Pubblicazioni of Royal Istituto di Studi Superiori, Firenze. [in Italic]
- Lee, J.S., Koh, D.B. and Min, D.K. (2004) Nudibranchia in Korea. p. 43. The 20th Anniversary Meeting and International Seminar of the Malacological Society of Korea, Cheju National University. Oct. 15-17, 2004. Jeju. [in Korean]
- Lönnerberg, E. (1896) Notes on some rare cephalopods. *Öfversigt af Konglelige Vetenskaps-Akademiens Förhandlingar*, **8**: 603-612. [in Deutsch]
- Min, D.K., Lee, J.S., Koh, D.B. and Je, J.G. (2004) Mollusks in Korea. 566 pp. Hangeul Graphics, Busan. [in Korean]
- Okutani, T. (2000) Mollusks in Japan. 1173 pp. Tokai University Press, Tokyo.
- Pfeffer, G. (1884) Die Cephalopoden des Hamburger Naturhistorischen Museums. *Abhandl. Naturwiss. Vereins, Hamburg* **8**: 1-30. [in Deutsch]
- Robson, G.C. 1924. On the Cephalopoda obtained in South African waters by Dr. J.F.D. Gilchrist in 1920-21. *Proceedings of Zoological Society of London*, **39**: 589-686.
- Sasaki, M. (1929) A monograph of the dibranchiate cephalopods of the Japanese and adjacent waters. *Journal of College of Agriculture of Hokkaido Imperial University*, **20** (supplement), 357 pp.
- Steenstrup, J. (1856) Hectocotyldannelsen hos *Octopodslægterne, Argonauta* og *Tremoctopus*, oplyst ved Jagttagelse af lignende Dannelser hos Blæksprutterne I Almindelighed. *Kongelige Danske Videnskabernes Selskab (Royal Danish Academy of Sciences and Letters)*, **4**: 185-216. [in Deutsch]