

## Two New Records of the Penaeid Shrimps (Crustacea: Decapoda) from Korean Waters

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### Introduction

Fourteen species of the family Penaeidae have been previously reported from the Korean waters (Kim, 1977; Cha et al., 2001).

Recent collections from the coastal waters of Korea revealed the presence of two penaeid species, *Metapenaeopsis lata* Kubo, 1949 and *Parapenaeopsis cultrirostris* Alcock, 1906. These two species have been reported from Japan, East China Sea and South China Sea, and the Indo-West Pacific below South China Sea. We present brief notes of these species as two new members of the Korean fauna.

### Materials and Methods

Specimens examined in this study are deposited in the Laboratory of Invertebrate Zoology, Department of Marine Biology, Pukyong National University (PUIZ). Postorbital carapace length (CL) is used as an indication of the size of the specimens.

### Results

*Metapenaeopsis lata* Kubo, 1949

*Restricted synonymy*

*Metapenaeopsis latus* Kubo, 1949: 434.

*Metapenaeopsis lata* - Hayashi, 1986: 61, 241; 1992: 89; Crosnier, 1987: 437; Liu and Zhong, 1988: 240.

*Material examined.* - Off Ulsan, Korea Strait, 120 m, otter trawl, 20 Mar 1996, 1 ♀ (CL 19.7 mm), PUIZ 120. -Off Geoje Island, Korea Strait, 65 m, beam trawl, 1 Jun 2001, 3 ♂ (CL 12.9-14.5 mm), 1 ♀ (CL 13.0 mm), PUIZ 141.

*Distribution.* - Known from the Pacific coast of southern Japan, East China Sea, and South China Sea (Hayashi, 1986; Liu and Zhang, 1988); 103-472 m (Liu and Zhang, 1988), 65-120 m (present study). The present specimens represent the first record of this species from Korean waters and slightly extend the bathymetric range.

*Parapenaeopsis cultrirostris* Alcock, 1906

*Restricted synonymy*

*Parapenaeopsis sculptilis* var. *cultrirostris* Alcock, 1906: 39.

*Parapenaeopsis cultrirostris* - Kubo, 1949: 378; Liu and Zhong, 1988: 202.

*Material examined.* - Off Youngkwang, Yellow Sea, stow net on anchor, Aug 1995, 10 ♂ (CL 11.0-20.5 mm), PUIZ 128.

*Distribution.* - Known from India, Malaysia, Indonesia and South China Sea (Liu and Zhong, 1988). The present report extends further its range to the north.

## References

- Alcock, A. 1906. The prawns of the *Penaeus* group. Catalogue of the Indian decapod Crustacea in the collection of the Indian Museum. Part III. Macrura. 1: 1-55, 9 pls.
- Cha, H.K., J.U. Lee, C.S. Park, C.I. Baik, S.Y. Hong, J.H. Park, D.W. Lee, Y.M. Choi, K. Hwang, Z.G. Kim, K.H. Choi, H. Sohn, M.H. Sohn, D.H. Kim, J.H. Choi. 2001. Shrimps of the Korean waters. National Fisheries Research and Development Institute, Pusan, 188 pp. (in Korean).
- Crosnier, A. 1987. Les espèces indo-ouest-pacifiques profonde du genre *Metapenaeopsis* (Crustacea Decapoda Penaeidae). Bull. Mus. natn. Hist. nat., Paris, (4) 9 (A): 409-453.
- Hayashi, K. 1986. The Penaeoidea and Caridea. In Decapod Crustaceans from Continental Shelf and Slope around Japan, K. Baba, K. Hayashi and M. Toriyama, eds. Japan Fisheries Resource Conservation Association, Tokyo, pp. 38-163 (in Japanese), pp. 232-279.
- Hayashi, K. 1992. Dendrobranchiata crustaceans from Japanese waters. Seibutsu Kenkyusha, Tokyo, 300 pp. (in Japanese).
- Kubo, I. 1949. Studies on penaeids of Japanese and its adjacent waters. J. Tokyo Coll. Fish., 36: 1-467.
- Liu, J.Y. and Zhong, Z. 1988. Penaeoid shrimps of the South China Sea. Agricultural Publishing House, Beijing, 278 pp. (in Chinese).