

Two New Records of *Berryteuthis magister* (Berry, 1913) and
Gonatopsis makko Okutani & Nemoto, 1964

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During a survey of the an abyssal fisheries resources from dept 300–900m in the East Sea, specimens of family Gonatidae were collected by bottom trawl. These squids of this family live in midwater, mainly mesopeliagic and bathypelagic, rarely epipelagic or near the bottom in the bathyal. Found in temperature and cold waters of both hemispheres, most richly represented in the boreal Pacific. They play an important role in the food of marine vertebrates. The present specimens agreed closely with description of *Berryteuthis magister* and *Gonatopsis makko*. But these species have not been recorded previously from Korea, we herein describe the species, being as the first record of *B. magister* and *G. makko*. New Korean names are provided *B. magister* and *G. makko*.

Counts and measurements follow those of Okutani (1995). The specimen was deposited in National Fisheries Research & Development Institute, Busan (NFRDI).

Order Teuthida 살오징어목

Suborder Oegopsida 개안아목

Family Gonatidae 갈고리 오징어과(국명신칭)

Genus *Berryteuthis* Nafe, 1921 흰갈고리오징어속(국명신칭)

Berryteuthis magister 흰갈고리오징어(국명신칭)

Genus *Gonatopsis* Sasaki, 1920 팔완오징어속(국명신칭)

Gonatopsis makko 팔완향오징어(국명신칭)

Materials : *Berryteuthis magister* (ML 324 mm) and *Gonatopsis makko* (ML 250mm) from the deep-sea of the East Sea, Korea, June, 2005.



Fig. 1. Photograph of *Berryteuthis magister* (Berry,1913)

Description : The mantle of *Berryteuthis magister* is cylindrical with rather soft muscle. the body is typical teuthoid. This species exceeds 30cm ML. The antero-dorsal margin is bluntly triangular, while the ventral margin is shallowly concave with blunt lateral lobes. FL is 55–56% of ML and FW is 75–80% of ML. The head is cubic, with large eyes laterally. Arms are muscular with the formula III=II>I>IV. The tentacle is relatively strong, 120–160% of ML.



Fig. 2. Photograph of *Gonatopsis makko* Okutani & Nemoto, 1964

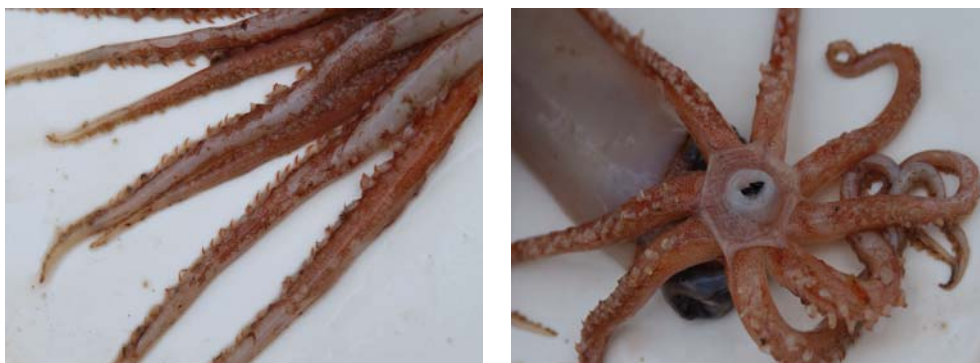


Fig. 3. morphological characteristic of arm *Gonatopsis makko*

Description : The mantle of *Gonatopsis makko* is elongate conical. Fin is small. Adult lacks tentacle. its length about 30% of ML, fin width less than 50% of ML. Mantle narrow (width about 20% of length), soft, flabby. Arm fairly long, about 67% of ML.

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