

A New Record of *Octopus megalops* Taki, 1964

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The genus *Octopus* Lamarck, 1798 of the family Octopodidae includes about 90 species distributed in sublittoral and bathyal of all ocean, except the Arctic and Antarctic. This genus characterized that arms is very long and slender, arm length is about 90% of total length and funnel organ is W-shaped. The present specimen agreed closely with description of *O. megalops* Taki, 1964. But this species have not been recorded previously from Korea, we herein describe the species, being as the first record of *O. megalops*. New Korean names are provided *O. megalops* of enus *Octopus*.

Counts and measurements follow those of Okutani (1995). TL is Total length (mm), TW is total weight (mg), DML is dorsal mantle length (mm), MW is mantle width (mm). The specimen was deposited in National Fisheries Research & Development Institute, Busan (NFRDI).

Family Octopodidae 문어과

Subfamily Octopodinae 문어아과 (국명신칭)

Genus *Octopus* Lamarck, 1798 문어속

Otopus megalops, Taki, 1964 큰 눈 낙지 (국명신칭)



[dorsal view]



[ventral view]

Materials : 26♀(mean value of TL 367mm), 26♂(mean value of TL 363mm) from a depth of 300 m in East Sea

Description : Counts and measurements are given in Table 1.

Table 1. Measurement range of *Otopus megalops*

SEX	TL(mm)	TW(mg)	DML(mm)	MW(mm)	Suckers(pairs)
Female (♀)	238 - 561	682 - 4440	34 - 92	40 - 65	54 - 75
Male (♂)	252 - 500	801 - 3689	34 - 89	43 - 80	50 - 79

The body is soft to touch and mantle surface is smooth. ML is almost the same as MW, or slightly wider than long. The head is bispherical because of huge eye, and demarcated from both mantle and arm by weak constrictions. The funnel is moderate, with W-shaped funnel organ. The umbrellas are usually continuous to lateral webs along each arm. Arms are rather muscular, with the formula I > II = III > IV. The left arms III of the male is hectotylized. Suckers are biserial, 50–80 pairs.

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