HOKKAIDO UNIVERSITY

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Description of a New Genus and Species of *Cottidae* from the Western Coast of Hokkaido

By

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With 1 text-figure

Japonopsychrolutes NOJIMA, gen. nov.

Body tadpole-shaped, tapering from anterior portion of the dorsal to tail, covered with thin, loose, movable skin, no scales, prickles nor bony plates; the head large, depressed, no spines, with small mucous pores, small tentacles; mouth large, oblique; the jaws about equal, with bands of teeth; vomer with teeth, palatines with none; fleshy flaps on lower side of the mandible; gills 4; no slit behind the last arch; gill membranes united, narrowly joined to the isthmus; pseudobranchia very small; branchiostegals 7; lateral pores present.

Two dorsal fins continuous, embedded in the loose skin, the soft dorsal longer than twice the length of spinous part, rays higher than spines; spines very slender, flexible; pectoral large, long; ventral I, 3; caudal rounded.

The present genus is very closely allied to *Psychrolutes* GÜNTHER. But it is distinct having teeth on the vomer and fleshy flaps on the mandible. In addition the lateral pores are present and the soft dorsal longer than twice the length of spinous part.

Type—*Japonopsychrolutes dentatus* NOJIMA.

Nom. Jap. *Yagishirikajika-zoku.* (n. n.).

Japonopsychrolutes dentatus NOJIMA, sp. nov.

Measurements in hundredths of length without caudal fin (254 mm.); depth of body 20.0; width of body 17.7; length of head 33.4; width of head 30.3; depth of caudal peduncle 7.8; interorbital width 7.4; diameter of eye 5.9; diameter of orbit 7.9; length of snout 6.2; length of maxillary 18.5; width at angles of mouth 21.0; distance from tip of lower jaw to anus 54.0.

Dorsal IX, 23; anal 18; caudal 18; pectoral 23; ventral I, 3; lateral pores 18.

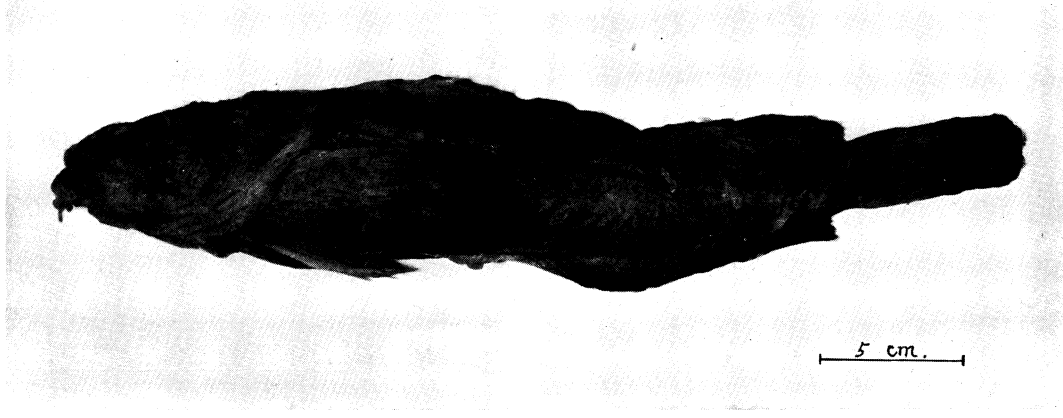
Body slightly compressed, tapering from anterior portion of the dorsal to

Trans. Sapporo Nat. Hist. Soc., Vol. XIV, Pt. 4, 1936.

the tail, covered with very loose and movable skin, small tentacles scattered along the anterior half of the lateral line. Head large, depressed, flattish above, no spines; the skin of head with small pores; mouth large, oblique; snout shorter than the orbit; eye-ball sunken; maxillary reaches a point vertically below the posterior margin of the eye; small conical teeth on both jaws and the vomer; interorbital space broad, flat; nostrils two pairs, slender, thin tubes, having length $\frac{1}{2}$ diameter of pupil; upper margins of maxillaries, orbital rim, preopercular portions and gill-covers with small tentacles; fleshy flaps on the lower margin of mandible 3 pairs, the middle pair the largest; flaps at the ends of both side of maxillaries 1 pair; a large glandular pore at the base of each flap on the side toward symphysis of mandible. Gill arches 4, no gill-slit behind the last gill-arch; gill membranes united, narrowly joined to the isthmus, gill opening extending to slightly below base of pectoral; pseudobranchia present, very small; branchiostegals 7; lateral line obsolete, with 18 pores.

Dorsal fin without a notch between the spinous and rayed portion, both portions embedded in the loose skin, the soft dorsal longer than twice the length of spinous part, ray higher than spine; spines very slender, flexible; anal embedded in loose skin also; posterior end of dorsal and anal free from caudal; caudal rounded; pectoral large and long, with 23 rays, the lower 5 swollen, the longest ray reaching to origin of anal; ventral reaching to middle of body, not vent.

Color; in formalin, body and head whitish gray, with large clouded slightly dark blotches on back and sides; lower part of head, abdomen, breast and chest white; edge of caudal black; anal with black blotches; ventral white; peritoneum white.



Japonospychrolutes dentatus sp. nov. From the type.

A specimen of this species was collected off Yagishiri Island, Hokkaido in the Japan Sea.

Nom. Jap. *Yagishirikagika*. (n. n.)

摘　　要

カジカ科ノ一新屬一新種

本種は北海道西岸燒尻島近海にて採集せられたるものなり．ウラナイカジカ屬 *Psychrolutes* GÜNTHER に似てゐるが下記の諸點が主に異なる．鋤骨に齒，下顎に三對の稍大なる房狀の肉質突起物が存する．尙側線は明瞭ではないが側線孔十八ヶを數ふることが出來る，脊鰭の棘條部の基底の長さが軟條部の長さの二分の一より短い．よつてこの種を新屬新種とした．