

sulcus, produced roundly backwards. Sternites bisulcate from 2nd to 20th 21st without median sulcus, and very strongly narrowed caudad. Spiracles narrowly triangular, scarcely slit-like.

Coxopleurae (fig. 19) with narrow conical 2-spined process, and a small lateral spine, pore-area extending half-way along the process, pores fine and close together but not to such an extent as in *C. rubriceps*. Anal legs: femur (fig. 19) outer ventral with two obliquely set pairs of spines, inner ventral distally with 2 spines, basally with 1 small spine, inner dorsal 2 spines and bifid angular spine. A median depressed area on the ventral surface. Terminal claw without basal spur.

Length, to 60 mm.

Loc.—Kapiti Island, Wellington; Hanmer; Kaikoura.

### ART. XXIII.—*A New Species of Shark.*

By GILBERT ARCHEY, M.A., Assistant Curator, Canterbury Museum.

[Read before the Philosophical Institute of Canterbury, 1st December, 1920; received by Editor, 31st December, 1920; issued separately, 20th July, 1921.]

#### Plate XXXIX.

ON the 12th June, 1920, Mr. C. W. Sherwood, of New Brighton, presented to the Canterbury Museum a small shark which he had found on the New Brighton beach. It is considered to be a new species of *Scymnodon*, a genus of small sharks living in deep water, and is named after its discoverer.

*SCYMNODON* Bocage and Capello, 1864.

*Scymnodon* Bocage and Capello, *Proc. Zool. Soc.*, 1864, p. 263.

*Zameus* Jordan and Fowler, *Proc. U.S. Nat. Mus.*, vol. 26, p. 633, 1903. *Scymnodon* Tate Regan, *Ann. Mag. Nat. Hist.*, ser. 8, vol. 2, p. 48, 1908.

*Scymnodon sherwoodi* n. sp. (Plate XXXIX, and text-figs. 1 and 2.)

Dermal denticles (fig. 1) pedunculate, with 3 parallel keels, each ending in a point, the central keel being the longest.

Distance from mouth to snout less than half the distance between snout and first gill-opening (proportion 9:23). Nostrils oblique, distance between them three-fifths of preoral length of snout. Length of anterior labial fold about equal to its distance from the symphysis.



Anterior dorsal fin shorter than the 2nd, length of its base three-tenths of the distance between it and the 2nd dorsal. Anterior end of 1st dorsal distant from the snout by nearly half the total length of the fish. Posterior extremity of pectorals falls short of the anterior end of the 1st dorsal by more than its own length. Posterior extremity of claspers reaching to vertical from half-way along free posterior border of 2nd dorsal.

Total length, 803 mm. Colour dark brown, with two submedian lighter areas extending from below the gill-openings to the ventrals. Angles of gill-openings tipped with dirty-white, posterior angle and posterior border of pectorals with narrow dirty-white margin. The spines of the dorsal fins are scarcely discernible rudiments embedded in the fin.

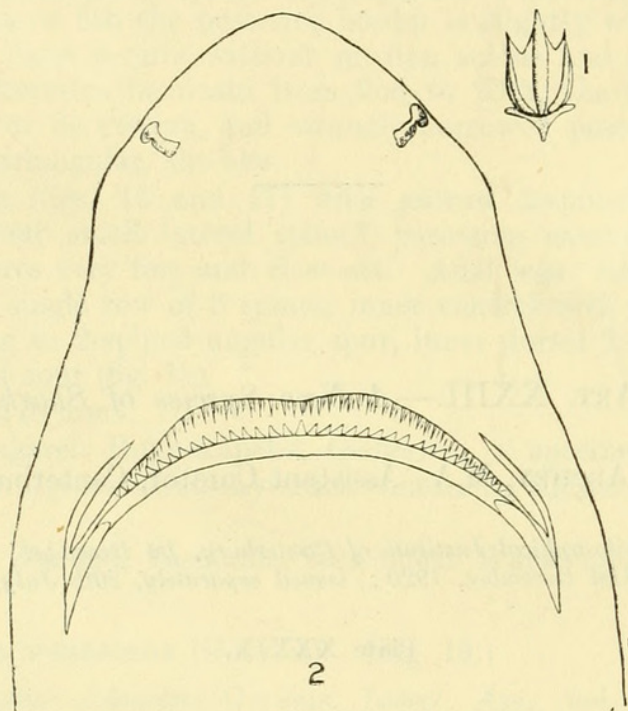


FIG. 1.—Dermal denticle.

FIG. 2.—Lower surface of head.

This species differs from *Scymnodon squamulosus* (Günther)\* in its shorter snout, the wider space between the nostrils, the more posterior position of the 1st dorsal, and the brown colour. A median dorsal silvery blaze extends from level with the spiracles to level with the hinder end of the base of the pectorals; it is caused through the denticles of the area being slightly raised and without the brown pigmentation of the other denticles, and is possibly not a natural condition.

*Loc.*—New Brighton.

Type in the Canterbury Museum.

The specimen is a male; its claspers are 1.8 in. long, and bear subterminally a curved sharp claw 0.6 in. long.

\* *Centrophorus squamulosus* Günther, "Challenger" Deep-sea Fishes, p. 5, pl. ii, fig. B, 1887.



Archey, Gilbert. 1921. "A new species of shark." *Transactions and proceedings of the New Zealand Institute* 53, 195–196.

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