

FISHES FROM CAROLINE ISLAND.

BY HENRY W. FOWLER.

In the *Proceedings* of the Academy of Natural Sciences of Philadelphia for 1899, pp. 482 to 496, the writer has wrongly ascribed to the Caroline Islands a collection of fishes the Academy had lately received.

The error was due in part to the similarity of names and in part to confusion of labels.

The Caroline Islands, sometimes called New Philippines, comprise the greater part of Micronesia, and are entirely different and remote from the Caroline Island. Caroline or Thornton Island is a group of low coral islands on a single reef seven miles long and one mile wide, situated in Lat. $10^{\circ} 0' 01''$ S., Long. $150^{\circ} 14' 30''$ W.

Since the collection referred to came into the Academy's possession, others from the estate of Prof. E. D. Cope have been received. Among these were a few fishes from Caroline Island, none of which are recorded in the preceding paper. To Dr. H. A. Pilsbry, who has examined these later collections, I am indebted for more complete and precise data.

He states that the collections were made by Mr. C. D. Voy, who was an enthusiastic collector residing in California a number of years ago. He accumulated private collections, of which he disposed, using the proceeds to make an expedition across the Pacific to New Zealand. Upon this expedition he visited the Sandwich Islands and several of the islands of the south seas, among them Caroline Island, where all the fishes were collected. At least the Academy has not received any from other localities visited on this expedition. How Prof. Cope obtained the collection I do not know.

GALEIDÆ.

1. *Carcharhinus melanopterus* (Quoy and Gaimard).

Carcharias melanopterus Quoy and Gaimard, Voyage de l'Uranie, Zool., 1824, p. 194, Pl. 43, figs. 1 et 2.

No. 23,768. (Dried skin.)

Form of the body elongate. Head rather flattened or compressed and with a rounded obtuse snout. Eyes lateral. No spiracle. The origin of the D. is much nearer the origin of the P. than the origin of the V. The tip of the D. not reaching the origin of the V. when depressed. The origin of the posterior D. is slightly in advance of the origin of the A. Upper lobe of the caudal long. All of the fins with a black distal spot or edge. Above dark brownish, below whitish. Total length with caudal 47 cm.

HOLOCENTRIDÆ.

2. *Holocentrus microstomus* (Günther).

Holocentrum microstoma Günther, Cat. Fish. Brit. Mus., I, 1859, p. 34.

No. 23,769.

A single small specimen, appearing to agree in most particulars with the descriptions of the present species. The black D. spots upon the upper portion of the membranes between the first 4 spines distinct. There are also 4 blackish spots upon the upper surface of the head.

SCARIDÆ.

3. *Scarus*?

There are a number of pharyngeal teeth in the collection which belong either to species of the present genus or *Pseudoscarus*.

TEUTHIDIDÆ.

4. *Teuthis triostegus* (Linnaeus).

Chætodon triostegus Linnaeus, Syst. Nat. Ed. X, 1758, p. 274.

Nos. 23,771 and 23,772.

5. *Teuthis* sp.?

No. 23,770.

A young specimen resembling species of *Aronurus* described by Günther, Cat. Fish. Brit. Mus., III, 1861, p. 346.

The depth of the body is $1\frac{1}{2}$ in the length without caudal. Crests of the head serrated.

TETRAODONTIDÆ.

6. *Spheroides* sp.?

No. 23,773.

The skin is perfectly smooth above, and the inflated abdomen is beset with rather large and sparsely distributed prickles. The eye is contained about twice in the somewhat flat interorbital space. The origin of the D. in advance of the A. Above blackish, below lighter, and the caudal with a median black blotch. Sides of the body with a number of blackish spots about the size of the eye.

This example is in very bad condition.

CANTHIGASTERIDÆ.

7. *Canthigaster margaritatus* (Rüppel).

Tetraodon margaritatus Rüppel, Atlas zu der Reise im Nördl. Afrika, 1826, p. 66.

Nos. 23,774 and 23,775.

SCORPÆNIDÆ.

8. *Pterois radiata* Cuvier and Valenciennes.

Pterois radiata Cuvier and Valenciennes, Hist. Nat. Poiss., IV, 1829, p. 271.

Nos. 23,776 and 23,777.

BLENNIDÆ.

9. *Salarias periophthalmus* Cuvier and Valenciennes.

Salarias periophthalmus Cuvier and Valenciennes, Hist. Nat. Poiss., XI, 1836, p. 230, Pl. 328.

No. 23,778.



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