sides; dorsal shield small, suberessent. Width of mouth \( \frac{1}{2} \) the width of head; premaxillary band of teeth 5 times as long as broad; vomerine patches of teeth rounded or quadrangular, separate or subcontinuous, continuous with the larger rounded or elliptical palatine patches. Maxillary barbel extending to basal part of pectoral. 4 gill-rakers on the lower part of the anterior arch. Dorsal I 7; spine nearly \( \frac{3}{8} \) the length of head, adipose fin longer than the dorsal. Anal 21–22. Pectoral spine \( \frac{1}{2} \) to \( \frac{3}{4} \) the length of head, weakly serrated.

_Hab._ _Panama_ \( 1234 \) (Jordan).

Here described from two specimens, 270 and 280 mm. in total length.

10. *Galeichthys guentheri*, sp. n. (Tab. XVI. fig. 1 and Tab. XIX. fig. 3.)

_Arius milberti_ (non Cuv. & Val.), Günth. Cat. Fish. v. p. 155 (1864) \(^1\).

Depth of body 5\( \frac{1}{2} \) in the length, length of head 3\( \frac{3}{4} \) to 3\( \frac{3}{2} \). Breadth of head 1\( \frac{1}{2} \) in its length, diameter of eye 6 to 6\( \frac{1}{2} \). Fontanel produced into a groove which nearly or quite reaches the parieto-occipital; occipital process keeled, much broader than long, subtriangular, with rounded apex; dorsal shield small, suberessent. Width of mouth \( \frac{1}{2} \) to \( \frac{3}{4} \) the width of head; premaxillary band of teeth 4\( \frac{1}{2} \) times as long as broad; vomerine patches of teeth very small, well separated, separate from or continuous with the oval palatine patches. Maxillary barbel extending to opercleum. 9 or 10 gill-rakers on the lower part of the anterior arch. Dorsal I 7; spine \( \frac{1}{3} \) the length of head; adipose fin shorter than the dorsal. Anal 17–18. Pectoral spine \( \frac{2}{3} \) to \( \frac{3}{4} \) the length of head, weakly serrated.

_Hab._ _Gulf of Mexico_ (Haslar Coll.) \(^1\).

Two specimens, 240 and 260 mm. in total length.

*Galeichthys felis*, Linn. (*Arius milberti_, Cuv. & Val., *Arius equestris*, Girard), which is known to range from Cape Cod to Texas, is closely allied to *G. guentheri*, but differs in several respects, notably in having the occipital process as long as broad and in the longer barbels. I have examined a specimen from New Orleans.

11. *Galeichthys seemani*.

_Arius seemani_, Günth. Cat. Fish. v. p. 147 (1864) \(^1\).


_Galeichthys gilberti_ (Jord. & Williams), Jord. & Everm. t. c. p. 2778, fig. 54 \(^4\).

_Galeichthys eigenmanni_, Gilb. & Starks, t. c. p. 21, t. 4, fig. 8 \(^5\).

Depth of body 5–5\( \frac{1}{2} \) in the length, length of head 3\( \frac{1}{2} \) to 4. Breadth of head 1\( \frac{1}{2} \) to 1\( \frac{1}{4} \) in its length, diameter of eye 5\( \frac{1}{2} \) to 7\( \frac{1}{2} \). Fontanel produced into a groove which nearly or quite reaches the parieto-occipital; occipital process keeled, much broader than long, subtriangular, the apex truncated, the sides straight; dorsal shield small, suberessent. Width of mouth \( \frac{3}{4} \) to \( \frac{5}{8} \) the width of head; premaxillary band of teeth 5 to 6 times as long as broad; vomerine patches of teeth quadrangular, rounded or ovate, separate or subcontinuous, subcontinuous or continuous with the larger oval or club-shaped palatine patches. Maxillary barbel extending to opercleum or base of pectoral. 10 to 12 gill-rakers on the lower part of the anterior arch. Dorsal I 7; spine \( \frac{3}{8} \) to \( \frac{3}{4} \) the length of head; adipose fin shorter than the dorsal. Anal 16–20. Pectoral spine weakly or moderately serrated, \( \frac{2}{3} \) to \( \frac{3}{4} \) the length of head.

_Hab._ Pacific Coast from Mexico to Ecuador:

  Mazatlan (Jordan) \(^5\); _Panama_ (Jordan) \( 2346 \); _Ecuador_ (Festa).