7. Galeichthys guatemalensis.

_Galeichthys guatemalensis_, Günth. Cat. Fish. v. p. 143 (1864) ¹.

_Galeichthys azurens_ (Jord. & Williams), _Jord. & Everm. t. c. p. 2775, fig. 55 ².

Depth of body 6 in the length, length of head 34. Breadth of head 1½ in its length, diameter of eye 0½. Fontanel not produced backward into a groove; occipital process weakly keeled, considerably broader than long, with apex truncated and sides somewhat concave. Width of mouth nearly 2½ the width of head; predorsal band of teeth 5½ times as long as broad; vomerine patches of teeth separate, continuous with the larger club-shaped palatine patches. Maxillary barbel extending to operculum. 11 gill-rakers on the lower part of the anterior arch. Dorsal I 7; spine ½ the length of head; adipose fin shorter than the dorsal. Anal 19. Pectoral spine nearly ½ the length of head, with strongly serrated inner edge.

_Hab._ Pacific coast of Mexico and Central America:

Mazatlan ³; Guatemala ¹.

Here described from the type, a specimen measuring 260 mm. in total length. Günther's specimen (b), from Chiapam, belongs to _G. cœruleascens._

8. Galeichthys cœruleascens. (Tab. XVII. fig. 2 and Tab. XIX. fig. 6.)

_Arius cœruleascens_, Günth. Cat. Fish. v. p. 149 (1864) ¹.


Depth of body 5 to 6 in the length, length of head 3½ to 4. Breadth of head 1½ to 1½ in its length, diameter of eye 6 to 8. Fontanel not produced backwards into a groove; occipital process not or but feebly keeled, subtriangular, as broad as or a little broader than long, with apex truncated or subtruncated and sides nearly straight; dorsal shield small, subcrescentic. Width of mouth ½ to ¾ the width of head; predorsal band of teeth 6 times as long as broad; vomerine patches of teeth oblong or oval, separate, continuous or subcontinuous with the palatine patches, which are only a little larger than the vomerine ones and of similar form. Maxillary barbel extending to basal part or middle of pectoral. 12 or 13 gill-rakers on the lower part of the anterior arch. Dorsal I 7; spine ½ (adult) or ¾ (young) the length of head; adipose fin as long as or a little shorter than the dorsal. Anal 16–18. Pectoral spine ½ to ¾ the length of head, with the inner edge moderately or rather strongly serrated.

_Hab._ Pacific Coast of Mexico and Guatemala:

Rio Presidio in Mexico (Forrer); Huamachal ¹ and Chiapam in Guatemala (Salvin).

Here described from six specimens, including the type of the species, measuring from 160 to 280 mm. in total length.


_Galeichthys xenarchen_ (Gilb.), _Jord. & Everm. t. c. p. 2777 ³; _Gilb. & Starks, t. c. p. 24, t. 4, fig. 7 ⁴.

Depth of body 5 to 6 in the length, length of head 4. Breadth of head 1½ in the length, diameter of eye 8 to 9. Fontanel produced backwards into a feeble groove which does not reach the parieto-occipital; occipital process with a feeble keel, twice as long as broad, scarcely narrowed posteriorly, with straight

R 2