

teeth about 6 times as long as broad; teeth on the palate villiform, in the adult forming a continuous band, the rather narrow vomerine strip connecting the large subtriangular palato-pterygoid patches. Maxillary barbel about reaching the base of pectoral. 10 gill-rakers on the lower part of the anterior arch. Dorsal I 7; spine about $\frac{2}{3}$ the length of head; adipose fin about as long as the dorsal. Anal 17-18. Pectoral spine about $\frac{2}{3}$ the length of head, with tuberculated or weakly serrated edges.

Hab. Pacific Coast of Mexico and Central America, from Mazatlan to Panama:

Mazatlan⁴ and Altata³ in Sinaloa; Panama^{1 3 4}.

Here described from two specimens from Mazatlan and Panama (*Jordan*), 260 and 420 mm. in total length.

3. *Galeichthys planiceps*.

Arius planiceps, Steind. Sitzungs. Ak. Wien, lxxii. 1876, p. 576, t. 4¹.

Netuma planiceps, Jord. & Everm. Bull. U.S. Nat. Mus. xlvii. 1900, p. 2766²; Gilb. & Starks, Mem. Calif. Ac. Sci. iv. 1904, p. 27³.

Netuma oscula (Jord. & Gilb.), Jord. & Everm. t. c. p. 2768⁴; Gilb. & Starks, t. c. p. 28⁵.

Depth of body about 5 in the length, length of head $3\frac{2}{5}$ to $4\frac{1}{5}$. Breadth of head $1\frac{1}{5}$ to $1\frac{1}{4}$ in the length, diameter of eye $6\frac{1}{2}$ to 8. Fontanel produced backwards into a feeble groove, which does not extend to the parieto-occipital; occipital process with a keel, longer than broad, truncated posteriorly, and with the sides straight; dorsal shield small, subrescentic. Width of mouth $\frac{1}{2}$ the width of head; premaxillary band of teeth $3\frac{3}{4}$ to $4\frac{1}{2}$ times as long as broad; teeth on the palate villiform, the vomerine patches continuous or subcontinuous with each other and with the large subtriangular palato-pterygoid patches. Maxillary barbel nearly reaching the base of pectoral. 9 or 10 gill-rakers on the lower part of the anterior arch. Dorsal I 7; spine $\frac{2}{3}$ to $\frac{4}{5}$ the length of head; adipose fin a little longer than the dorsal. Anal 18-19. Pectoral spine $\frac{2}{5}$ to $\frac{4}{5}$ the length of head, with tuberculated or weakly serrated edges.

Hab. Pacific Coast of Mexico and Central America:

Altata in Sinaloa¹; Panama^{1 2 3 4 5}.

Here described from four specimens from Panama (*Jordan*), 220 to 280 mm. in total length.

4. *Galeichthys kessleri*.

Arius kessleri, Steind. Sitzungs. Ak. Wien, lxxii. 1876, p. 574, t. 5¹.

Netuma kessleri, Jord. & Everm. Bull. U.S. Nat. Mus. xlvii. 1900, p. 2765²; Gilb. & Starks, Mem. Calif. Ac. Sci. iv. 1904, p. 26³.

Netuma elattura (Jord. & Gilb.), Jord. & Everm. t. c. p. 2769⁴.

Depth of body $5\frac{1}{2}$ in the length, length of head $3\frac{2}{5}$. Breadth of head $1\frac{1}{4}$ in its length, diameter of eye $7\frac{1}{2}$. Fontanel produced backwards into a feeble groove, which does not reach the parieto-occipital; occipital process with a keel, rather broader than long, subtriangular, posteriorly rounded, and with the sides slightly concave; dorsal shield small, subrescentic. Width of mouth nearly $\frac{2}{3}$ the width of head; premaxillary band of teeth 6 times as long as broad; vomerine, palatine, and pterygoid patches of teeth present, separate or subcontinuous. Maxillary barbel reaching basal part of pectoral. 8 gill-rakers on the lower part of the anterior arch. Dorsal I 7; spine $\frac{2}{5}$ the length of head; adipose fin a little longer than the dorsal. Anal 19. Pectoral spine $\frac{2}{3}$ the length of head, weakly serrated.

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