

4. XENOCARA, Regan.

Xenocara, Regan, Trans. Zool. Soc. xvii. 1904, p. 251.

Similar to *Ancistrus*, but the snout with a naked margin, which is usually broader in males than in females and bears fleshy tentacle-like processes, which are more developed in the males.

Twelve species from Tropical America.

1. *Xenocara chagresi*, Eigenm.

Xenocara chagresi, Regan, Trans. Zool. Soc. xvii. 1904, p. 256, t. 14. fig. 7.

Dorsal I 7. Anal I 3-4. 24 scutes in a longitudinal series, none of them keeled. Interoperculum armed with about 10 spines. Olivaceous; a dark spot at the base of the first interrarial membrane of the dorsal.

Hab. PANAMA, Rio Chagres.

Total length 175 mm.

5. LORICARIA, Linn.

Loricaria, Regan, Trans. Zool. Soc. xvii. 1904, p. 270.

Body elongate, protected by bony scutes; caudal peduncle depressed, with paired dorsal and ventral series of scutes and posteriorly with a single lateral series of scutes on each side. Snout pointed or rounded. Teeth bifid, in a single series. An orbital notch. No adipose fin.

Forty-two species from Panama and South America.

1. *Loricaria uracantha*, Kner & Steind.

Loricaria uracantha, Kner & Steind. Abhandl. Bayer. Ak. x. 1865, p. 56, t. 6. fig. 3; Regan, Trans. Zool. Soc. xvii. 1904, p. 278.

Loricaria lima, Kner & Steind. t. c. p. 58.

? *Loricaria bransfordi*, Gill, Proc. Ac. Philad. 1876, p. 338.

Lips papillose, with short marginal fringes. Snout pointed. Males with bristles on the sides of the head, the occipital region and nuchal scutes, and the pectoral fins. 28 scutes in a longitudinal series. Abdomen covered with 3 or 4 series of plates between the lateral series. Upper caudal ray strong, stout, spinous.

Hab. PANAMA.

Total length 180 mm.

2. *Loricaria variegata*, Steind.

Loricaria variegata, Steind. Denkschr. Ak. Wien, xli. 1879, p. 165, t. 3; Regan, Trans. Zool. Soc. xvii. 1904, p. 293.

Lips with filiform papillae and long marginal fringes. Snout obtuse. 30 to 32 scutes in a longitudinal series. Abdomen naked except for the lateral series of plates and a median strip of smaller plates. Uppermost caudal ray elongate. Head, body, and dorsal, caudal, and pectoral fins with numerous dark oblong spots.

Hab. PANAMA, Rio Mamoni.