

Depth of body 6 in the length, length of head 5. Breadth of head  $1\frac{2}{5}$  in its length, length of snout  $2\frac{3}{5}$ , diameter of eye  $5\frac{1}{3}$ , interorbital width 4. Lower jaw nearly as long as the upper; width of mouth  $\frac{2}{3}$  the width of head. Maxillary barbel extending nearly to the posterior end of pectoral fin. Head covered with smooth skin; occipital process extending  $\frac{1}{3}$  of the distance from its base to the origin of dorsal. 9 to 11 gill-rakers on the lower part of anterior arch. Dorsal I 6; spine slender, fin rounded. Length of adipose fin  $2\frac{3}{5}$  in the length of the fish. Anal 14, when laid back not nearly reaching the vertical from the end of adipose fin. Humeral process extending a little beyond the middle of pectoral spine, which has the inner edge serrated and measures  $\frac{2}{3}$  the length of the fin or  $\frac{2}{5}$  the length of head. Ventrals inserted behind the last ray of dorsal, extending  $\frac{2}{3}$  of the distance from their base to the origin of anal. Caudal deeply notched, the lower lobe rounded. Least depth of caudal peduncle  $2\frac{1}{2}$  in the length of head and  $2\frac{3}{4}$  in the distance from anal to base of caudal. Brownish.

*Hab.* NICARAGUA, Lake Managua<sup>1</sup> (*Dow*).

Here described from the type, a specimen measuring 210 mm. in total length.

### 11. *Rhamdia heteracantha*, sp. n.

Depth of body  $5\frac{2}{3}$  in the length, length of head  $4\frac{1}{5}$ . Breadth of head  $1\frac{1}{3}$  in its length, length of snout  $2\frac{3}{5}$ , diameter of eye  $5\frac{2}{3}$ , interorbital width 3. Lower jaw scarcely shorter than the upper; width of mouth  $\frac{3}{5}$  the width of head. Maxillary barbel extending to origin of adipose fin. Head covered with smooth skin; occipital process triangular, extending about  $\frac{2}{7}$  of the distance from its base to the origin of dorsal. 7 gill-rakers on the lower part of the anterior arch. Dorsal I 6; spine slender, fin rounded. Length of adipose fin nearly 3 in the length of the fish. Anal 10. Humeral process extending nearly to middle of pectoral spine, which has the inner edge finely serrated and a series of antrorse denticulations on the outer edge and measures  $\frac{2}{3}$  the length of the fin and  $\frac{2}{5}$  to  $\frac{1}{2}$  the length of head. Ventrals inserted behind the last ray of dorsal, extending  $\frac{3}{4}$  of the distance from their base to the origin of anal. Caudal moderately notched. Least depth of caudal peduncle  $2\frac{1}{5}$  in the length of head and  $1\frac{3}{4}$  in the distance from anal to base of caudal. Brownish.

*Hab.* COSTA RICA, Juan Viñas (*Underwood*).

A single specimen, measuring 105 mm. in total length.

### 12. *Rhamdia hypselura*. (Tab. XXI. fig. 3.)

*Pimelodus hypselurus*, Günth. Cat. Fish. v. p. 126 (1864)<sup>1</sup>.

*Rhamdia hypselurus*, Jord. & Everm. Bull. U.S. Nat. Mus. xlvii. 1896, p. 152<sup>2</sup>.

Depth of body about  $5\frac{1}{2}$  in the length, length of head  $4\frac{3}{5}$ . Breadth of head  $1\frac{1}{4}$  in its length, length of snout  $2\frac{3}{5}$ , diameter of eye  $5\frac{1}{3}$ , interorbital width 3. Lower jaw shorter than the upper; width of mouth slightly more than  $\frac{3}{5}$  the width of head. Maxillary barbel extending to middle of dorsal fin. Head covered with smooth skin; occipital process extending  $\frac{2}{7}$  of the distance from its base to the origin of dorsal. 9 gill-rakers on the lower part of the anterior arch. Dorsal I 6; spine slender, fin rounded. Length of adipose fin  $3\frac{1}{2}$  in the length of the fish. Anal 13. Humeral process extending to middle of pectoral spine, which is  $\frac{2}{3}$  the length of the fin and  $\frac{1}{2}$  the length of head. Ventrals inserted behind the last dorsal ray, extending  $\frac{2}{3}$  of the distance from their base to the origin of anal. Caudal moderately notched. Least depth of caudal peduncle  $1\frac{2}{3}$  in the length of head and  $1\frac{1}{2}$  in the distance from anal to base of caudal. Dark greyish.

*Hab.* MEXICO<sup>1</sup> (*Parudazki*).

Here described from the type, a specimen measuring 115 mm. in total length.