Here described from specimens from Florida, measuring up to 70 mm. in total length.


Depth of body 2\(\frac{1}{4}\) to 2\(\frac{1}{2}\) in the length, length of head 3. Snout a little shorter than eye, the diameter of which is 3 to 3\(\frac{1}{4}\) in the length of head; interorbital width 2\(\frac{1}{4}\) in the length of head. 25 or 26 scales in a longitudinal series. Dorsal 10–11; longest rays equal to the base of the fin (♀) or a little less (♂), \(\frac{3}{4}\) (♀) or \(\frac{1}{2}\) (♂) the length of head, scarcely longer than the longest anal rays. Anal 10–11. Pectoral \(\frac{1}{2}\) the length of head. Caudal subtruncate. Least depth of caudal peduncle \(\frac{3}{2}\) the length of head. Body with irregular dark cross-bars and an interrupted lateral band, these markings scarcely distinct in males; the caudal fin and sometimes the dorsal and anal with a narrow dark edge (in the males), the dorsal with a small dark spot on the posterior rays (in the females).

Hab. Colorado and Nevada to Sonora and Lower California:

Colorado; Nevada 4 9; California 4 8 9; Arizona 1 2; Sonora 3 6.

Here described from five specimens from Colorado (Eigenmann) and Lower California, measuring up to 60 mm. in total length.

5. ZOOGONETICUS, Meek, 1902.


Viviparous. Anal fin of the male with the anterior five or six rays short, stiff, and subequal, separated by a more or less distinct notch from the rest of the fin. Mouth rather small, with short lateral cleft; rami of the lower jaw firmly united; minute teeth in bands, with an outer series of enlarged, fixed, conical teeth.

This genus comprises four species, from the Rio Lerma System and the Valley of Mexico. It is very closely related to Funduli of the type of F. punctatus, F. pachycephalus, &c.

Synopsis of the Species.

1. 28 to 30 scales in a longitudinal series.
   Dorsal 13–16; origin about equidistant from tip of snout and posterior end of caudal fin. Anal 13–15.
   1. cuitzeoensis.
   Dorsal 17; origin nearer to end of caudal than to tip of snout. Anal 13.
   2. dugesii.

2. 32 to 34 scales in a longitudinal series.
   3. diazi.

3. 36 to 39 scales in a longitudinal series.
   4. robustus.