

22. AGOSIA, Girard, 1856.

Agosia, Jord. & Everm. Bull. U.S. Nat. Mus. xlvii. 1896, p. 308.

Differs from *Hybopsis* in the smaller scales, 60 to 90 in a longitudinal series, and in the more posterior position of the dorsal fin, which is often partly above the anal.

About ten species, small fishes of the mountain streams of Western North America, two of which have been recorded from Northern Mexico.

1. *Agosia oscula*.

Argyreus osculus, Girard, Proc. Ac. Philad. 1856, p. 186¹, and U.S. Mex. Bound. Surv., Fish. p. 47, t. 27. figs. 9-12 (1859)².

Argyreus notabilis, Girard, l. c.³, and t. c. p. 47, t. 27. figs. 5-8⁴.

Agosia oscula, Jord. & Everm. Bull. U.S. Nat. Mus. xlvii. 1896, p. 309⁵; Meek, Publ. Columbian Mus., Zool. v. 1904, p. 80⁶.

Hab. Gila River in Arizona:

Recorded in Mexico from the Rio Santa Cruz^{3 4} in Northern Sonora, a tributary of the Gila.

2. *Agosia chrysogaster*.

Agosia chrysogaster, Girard, Proc. Ac. Philad. 1856, p. 187¹, and U.S. & Mex. Bound. Surv., Fish. p. 49, t. 28. figs. 5-8 (1859)²; Jord. & Everm. Bull. U.S. Nat. Mus. xlvii. 1896, p. 313³; Meek, Publ. Columbian Mus., Zool. v. 1904, p. 80⁴.

Hab. Gila River in Arizona; Sonora and Western Chihuahua:

Rio Santa Cruz^{1 2}, Hermosillo⁴ and Rucker Cañon⁴ in Sonora; Sierra Madre in Chihuahua⁴.

23. RHINICHTHYS, Agass., 1850.

Rhinichthys, Jord. & Everm. Bull. U.S. Nat. Mus. xlvii. 1896, p. 305.

Body elongate, little compressed. Mouth non-protractile, subterminal or inferior; a small barbel at the end of each maxillary. Pharyngeal teeth compressed, hooked, in two series, 2, 4—4, 2 or 1. Gill-openings separated by a broad isthmus. Scales small. Dorsal and anal fins short, the former about in the middle of the length of the fish; ventral fins 7- or 8-rayed.

Three or four species from mountain-streams of North America, including one from Chihuahua.

1. *Rhinichthys simus*.

Rhinichthys simus, Garm. Science Observer, 1881, p. 61¹; Jord. & Everm. Bull. U.S. Nat. Mus. xlvii. 1896, p. 307²; Meek, Publ. Columbian Mus., Zool. v. 1904, p. 79³.

Depth of body 4 to 4 $\frac{3}{4}$ in the length, length of head about 4. Snout obtuse; mouth inferior; diameter of eye 5 to 6 in the length of head. Dorsal 8-9, with 6 or 7 branched rays; origin above innermost ray of ventrals and nearly equidistant from tip of snout and base of caudal. Anal 8. 50 to 62 scales in a longitudinal series, 12 to 14 in a transverse series from origin of dorsal to lateral line, 8 to 10 between