

**Article XX.—ON *HETERANDRIA ZONATA* SP. NOV. AND  
*HETERANDRIA VERSICOLOR* (GÜNTHER) FROM THE  
ISLAND OF SANTO DOMINGO.**

BY JOHN TREADWELL NICHOLS.

On a recent entomological collecting trip Mr. Frank E. Watson, of the American Museum, obtained a ♂ and ♀ adult and three immature specimens of *Heterandria versicolor* (Günther) from the San Juan River (freshwater) at Samana, Santo Domingo. He also obtained 5 adult ♂ and two immature fishes of the genus from the freshwater creek near the railroad station at Sanchez. The immature specimens are too small for satisfactory study. The adults differ from the *versicolor* ♂ mentioned above strikingly in color and significantly in form, and are described as new.

***Heterandria zonata* sp. nov.**

I have selected as type a specimen 26 mm. long to base of caudal. Head 3.4 in this measure; depth 3.6; eye 3, in head; snout 4; width of mouth, 4; depth caudal peduncle, 1.6; pectoral, 1.5; ventral, 1.8; anal, 1; longest dorsal ray, 1.6; caudal 1. Scales 29. Dorsal 8. The caudal peduncle is elongate and compressed, mouth very small, eye large, caudal about even, a single row of somewhat obliquely pointed, more or less broad and compressed teeth in the jaws. Dorsal origin equidistant from base of caudal and border of preopercle. Anal origin nearer tip of snout than base of caudal by a distance equal to snout, when depressed not reaching caudal by a distance about two and one half times eye. Color in spirits pale, the scales outlined by narrow dark lines, indications of a lengthwise dark streak in the middle of the side. Three rather broad black bars on the side under the dorsal. A narrow black streak on the mid-dorsal line and mid-ventral line behind the anal. Dorsal with a broad black margin, caudal with an ill-defined dark vertical streak centrally, other fins plain.

The four other specimens (paratypes) range in length to base of caudal from 19 to 25 mm. All have the anal origin decidedly nearer snout than caudal, and 4 or 5 broad black bars on the sides. These characters alone show them to be distinct from the *versicolor* here described.

***Heterandria versicolor* (Günther).**

The ♂ is 23 mm. long to base of caudal. Head 3.4 in this measure; depth 4; eye, 3, in head; snout, 5; width of mouth, 3.5; depth caudal peduncle, 1.6; pectoral 1.6; ventral, 1.5; anal, 1; longest dorsal ray, 1.7; caudal, 1.2. Scales 28. Dorsal 8.

The caudal peduncle is elongate and compressed; mouth small vertical; eye large; caudal slightly rounded. A single row of teeth in jaws, somewhat compressed and with oblique points. Dorsal origin equidistant from preopercular margin and base of caudal, not reaching caudal when depressed by a distance slightly less than twice eye. Color in spirits pale, the scales outlined by narrow black lines and a narrow black line in the center of the side. Dorsal marked with dusky terminally, most strongly on the posterior rays, and a dusky mark towards the base of the posterior rays. A short black stripe in the center line of the peduncle above and below.

The ♀ is 31 mm. long to base of caudal. Head 3.6 in this measure; depth the same. Eye 2.8, in head; snout 4; depth caudal peduncle 1.7; pectoral, 1.5; ventral 1.9; longest anal ray, 1.5; dorsal ray, 1.7; caudal 1.3. Scales 28. Dorsal 8. Anal 8. Caudal even. Color resembles that of ♂ but dusky terminal area on dorsal is lacking, and there is a faint vertical dark streak across the center of the caudal.

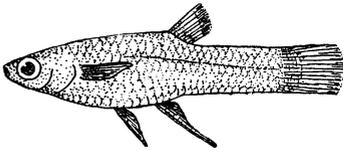


Fig. 1.

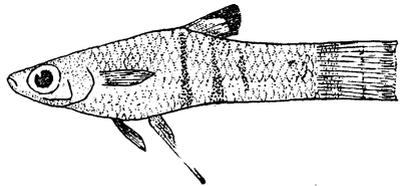


Fig. 3.

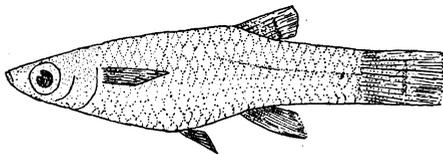


Fig. 2.

- Fig. 1. *Heterandria versicolor* (Günther). ♂.  
 Fig. 2. *Heterandria versicolor* (Günther). ♀.  
 Fig. 3. *Heterandria zonata* sp. nov. ♂.