Hab. Streams of the Rocky Mountains and Sierra Nevada, from Kamchatka and Alaska to California and Durango.

This species embraces a number of local forms, including *S. spilurus*, Cope (Jord. & Everm. t. c. p. 495, fig. 210), which inhabits the upper Rio Grande and extends southwards into Chihuahua and Durango.

A second form, *S. pleuriticus*, Cope (Jord. & Everm. t. c. p. 496, fig. 211), is found in the Colorado River, and is probably the trout reported by Meek as abundant in the Rio Yaqui in Sonora.

**Fam. 2. CLUPEIDÆ.**

A large and widely distributed marine family; several species are anadromous, and some are permanently fluvialile.

The Clupeidæ may be distinguished from other soft-rayed fishes of the fresh waters of Mexico and Central America by the compressed body, covered with thin cycloid scales, the naked head, the feeble dentition, and the absence of a lateral line.

*Synopsis of the Genera represented in the fresh waters of Mexico and Central America.*

I. Abdomen compressed to a serrated edge; mouth small or moderate; last dorsal ray elongate.

Maxillary bearing one supramaxillary ........................................ 1. *Dorosoma*.

Maxillary bearing two supramaxillaries ....................................... 2. *Signalosa*.

II. Abdomen not serrated; mouth large, the maxillary extending back far behind the eye; last dorsal ray not elongate.

Teeth in the jaws evident, some more or less enlarged .................... 3. *Lycengraulis*.

Teeth in the jaws very small or absent .................................... 4. *Anchovia*.


Five species from the Atlantic coasts and rivers of America.

*Synopsis of the Mexican and Central-American Species.*

74 to 78 scales in a longitudinal series; anal of 26 to 30 rays ........ 1. *chavesi*.

69 to 73 scales in a longitudinal series; anal of 36 to 38 rays ........ 2. *anales*.

56 to 60 scales in a longitudinal series; anal of 30 to 34 rays ......... 3. *exile*.

40 to 45 scales in a longitudinal series; anal of 21 to 24 rays .......... 4. *petenense*.

1. *Dorosoma chavesi*.


Hab. *NICARAGUA*, Lakes Managua and Nicaragua ¹.

Total length 210 mm.

**Biol. Centr.-Amer., Pisces, February 1908.**