

Partially sorted

Sta. No. H 48 - 92

Locality: Baja Calif: Asuncion bay E.W.
Scripps at anchor

1 1/2 miles 048° True from Asuncion pt.
Lat. 27° 10' N.; Long. 114° 17' W. (USC & GS chart, 19)

Water:

Vegetation:

Bottom:

Temp.: 14.88°C

Shore:

Current:

Distance from shore:

1 1/2 miles

Tide:

Depth of capture:

Surface

Depth of water:

16 fath.

Method of capture:

Dip net & light

Collected by:

C. L. Hubbs & party

Date:

17:II:48

Orig. preserv.:

5% formalin &
borax

Time:

1830 - 2145

8. Sardinops caerulea - series
larvae to yg. (46)

25. Syngnathus luciocephalus - 1 ad. (235)

40A Mugil cephalus - 2 pelagic
(21-23) yg.

57. Syngnathus exilis 1 (115) /

26A Myrophis cf. fiji Vafer 1 (220)

25. Synodus leuciceps : 1 ad.

26.

40. Mugil cyphalus : 2, quereimana stage.
22-23 mm.

A Atherinopsis californiensis :
1 postlarva, 14 mm.

57. Syngnathus exilis : 1 hl. sp., 115 mm.

Color note v: 31: 1948

(counts taken) Very pale, becoming dusky brown toward caudal fin. Darker above than below. On trunk an indefinite streak above lateral keel. Lower side of snout banded. Definite band downward and backward from eye; upper part only of opercle stippled.

Counts identical with holotype of exilis. General proportions similar.

Faint irregular spots between rings along lower lateral keel of trunk. Trace of dark median line on belly.

Especially distinctive is long opercular keel, extending upward and backward nearly parallel to upper margin of opercle. Extending well over half way to opercular margin. There is a definite keel on the parietal and both nuchal plates; particularly

high and sharp on second nuchal.
 The interorbital rims are definitely
 elevated. In these characters exilis differs
 definitely from californiensis and the 2
 should be regarded as full species on
 present evidence. Additional characters
 are the lower counts all around and
 on the average, the greater overlap of
 the dorsal onto the trunk. Judging
 from the 3 ♂'s in H ⁴⁷⁻⁶⁸~~45-68~~ the species
 is smaller than californiensis and
 apparently does not attain the ~~same~~
 excessively elongated snout. The
 character of the head ridges apparently
 disappears with age, but the smallest
 of the 3 ♂'s from H 47-68 retains
 definite traces of the ridges. Unless
 there is other material in earlier
 Todos Santos collections the one specimen
 from H 48-92 and the 3 from
 H 47-68 seem to be the only ones of
exilis available.

Compared with euchroa, exilis
 differs in the longer and slender snout
 greater number of trunk rings on its
 average, better developed ridges in
 the large yg., etc.

Compared with heraldi the
 counts are higher, the form more
 robust the snout less slender and
~~elongated~~

elongate, the dorsal on the average
overlapping the trunk more, the
head less bi-colored, etc.