

Copied for  
CAS XI.12.1946

one  
SD

Sta. No. 146-119

Scruggs 118

Locality: Baja California: South Coronado Id.,  
on E. side S of light house - on anchorage  
spit

Lat.  $32^{\circ} 24' 24''$  N.; Long.  $117^{\circ} 14' 24''$  W. (USC & GS chart 5195, 19...)

Water: clear, salt

Vegetation: much Zostera marina "typica" + much algae,  
also some Phyllospadix

Bottom: presumably sand and rock Temp.: 63° (mid-day)

Shore: cliff

Current:

Distance from shore:

Tide:

Depth of capture: bottom

Depth of water: 7-8 fath.

Method of capture: pipe-frame dredge

Collected by: Gail L. Hobb & party on "E.W. Scruggs" Date: XI.8.1946

Orig. preserv.: 109% form + borax Time:

All fish saved, with some plants + invertebrates.  
CAS 35. Paralaprax clathratus: 1 leg. yg. counts later

50. Oxygolis californica: 1 yg. 24mm. discarded. spread up.

53. Scorpaena guttata: 1 subad. 17mm. counts later

55. Scorpaenichthys marmoratus: 1 ad. counts later

57. Syngnathus euchrous: 1 h. yg. 10 spec. ind. ad. ♀

Syngnathus c. californicus: 1 spec (174)

61. Sebomus: 9 yg. - ad.

Color notes follow

Heterostichus: 2 bl. gr. - ad., red grass  
phase.

Color XI.10.1946

Scorpaena guttata, bars deep red

35 Scorpaenichthys marmoratus: Belly  
and inside of mouth blue white. 1(325)  
Considerable yellow about lips,  
branchiostegals and lower sides  
but no definitely red areas. Pale dusky  
D. saddles. Saw large light areas

near back. Lower eight areas are bluish, considerably disrupted. Fins are banded with brown and pale bluish. Rather flat interorbital. Thin pectoral rays suggests ruber. May well be an intergrade.

Syngnathus counts:

$$20 + \overset{45}{\cancel{48}} + 39 = 104$$

$$19 + 46 + 38 = 103$$

$$19 + 48 + 39 = 106$$

$$20 + 48 + 39 = 107$$

$$19 + 46 + 39 = 104$$

$$19 + 47 + 39 = 105$$

$$19 + 47 + 39 = 105$$

$$21 + 48 + 42 = 111$$

$$19 + 46 + 40 = 105$$

$$19 + 45 + 40 = 104$$

$$19 + 46 + 38 = 103$$

10 spec.  
Counted again  
Aug. 19, 1948  
and put in Group  
57 data sheets

— S. c. californiensis

added to  
Group 57  
sheet

Color notes on Syngnathus species: Vary from yellow green to purple. Strake down mid line of belly very sharp to lacking. Opercle usually with moderate amount of wavy lines of light and dark, but sometimes there are lacking. Several have the rather sharp dots along the sutures on the ventral deel of the trunk. All have short deep snouts. Some have very fine longitudinal wavy lines on the trunk but none show californiensis pattern on head.

The general color pattern is very much variegated. The general appearance is consistent and definitely unlike that of the Newport Bay heraldi heraldi. There is little tendency toward the formation of light semicircles just above the ventral keel of the trunk. It is quite possible that this species has been taken rarely on the mainland and the specimens interpreted as hybrids may be this species.

In the one specimen of californiensis the eye is larger and snout longer and slenderer. Visceral plates are light centered. Anteriorly there are the black-brown speckles at the sutures of the ventral trunk keel. There are some very conspicuous light lozenges along the keels.

Sublousia, mostly reddish brown, mostly with the primary stripe bright, nearly continuous in one specimen. This one particularly and to some degree the others have coralline colors along the upper stripe. One to three ocelli. Some plain, others barred or barred plus striped, and the one specimen almost

strictly striped. The paired spots  
on C. are usually present and in 4  
are very large and conspicuous.