

Copied for CAS  
IX. 10. 1946

Sta. No. 146-76

Locality: California: off Scripps Pier

Lat. ° 'N.; Long. ° 'W. (USC & GS chart, 19...)

Water:

Vegetation: a little floating

Bottom: Temp.:

Shore: Current:

Distance from shore: 1000 yds

Tide: 0.9 at 10:56 P.M.

Depth of capture: Depth of water:

Method of capture: dip nets at light

Collected by: Carl H. Hubbs + party #

Date: VII: 22: 1946

Orig. preserv.: 10% form + borax

Time: 9-11 P.M.

Carl H., Lawrence C. and Earl Hubbs, B.W. and M.E. Walker, E.M. Kampa, G.H. + J. Soulen, A.S. and Helen Lockley, J.H. McHugh, and Brian Bodin.

6. Holorhynchus californicus: 1 lg. yg. and at least 1 ad.

(520) 8. Enchocorda allengraui's mordax mordax: 19 yg.

(520) A Sardinops caerulea: 1 yg. 29.5mm no trace of food

CAS. 23A Tylosurus exilis: 3 yg. + 1 ad. yg. 3 yg. in young fish collection. 325mm. (83.5-117)

CAS. Counts taken Cyprinus californicus: 2 ♂ + 2 ♀, 1 ♂ preserved, 2 ♀ + 1 ♂ stripped and eggs fertilized (13mm)

yg. fish well. 35A Paralabrax clathratus: 1 yg. (13mm) color desc. at end. Counts taken

40A Luresthes tenuis: 1 spent ♀, 1 spent ♂

Very yg. in yg. fish well. ♂ not fully spent ♂ + 4 very yg. and a 6 (10-218) yg. dried, discarded small sizes of yg. one of very yg. injured a grub in

40 Atherinopsis c. californensis: 1 ad.,  
1 bl. yg. + 3 yg. (discard)

40 Atherinopsis affinis littoralis: 1 ad. +  
2 yg. in  
yg. fish coll. 2 yg. (discard)

40 Atherinopsis affinis cedrosensis: yg. - ad.  
~~discard~~ + 1 very yg. in "yg. fish coll."

48 fish coll. BS phyaena argentea: 1 juv. color notes at end.  
33 mm.

46A Scirphus politus: 2 yg. 150 yg. fish collection  
(22-41.5)

51A Sciella mexicana: 23 pelagic stage. ↑ (21-28)

To H.B.  
Rachetian  
UCLA  
March 1965  
PT.

Bader  
informed

Nearly all when seen in water  
greatly resembled a small floating  
feather. They rested at the very  
surface with the tail curved around  
almost to the head and held with the  
side more or less upward and the  
C. fin apparently much spread. The  
dark blue back was not evident and  
the sides turned up showed only  
white much like a small gull  
feather. A considerable number of  
the fish, ~~rather~~ probably mostly  
Atherinopsis was seen rising to

feed on smaller atherinids and invertebrates near the surface. They passed close to the feather mimics but not one ~~was~~ of the oyal eyes was attacked or even appeared to attract attention. For expansion of ideas see copy of letter of VII:23 to C.H. Breder, Jr., under W.C. 51, Girrella.

57. Syngnathus griseo-lineatus (68/5)

septorhynchus: 1 yg. extremely pale yellowish. Dark stripe down middle of belly.

Syngnathus <sup>exilis</sup> ~~lineatus~~: ~~17~~ 17 yg. (62-162)

~~to~~ to ad., incl. 1 pregnant ♂ and 2 with nuchal pouches. A few with a weak diffused dusky streak down middle of belly. Lower part of opercles plain silvery or more usually with weak light flecking, none strongly marked. General color live greenish to yellowish brown and deep olive, etc. One blackish green. Generally ~~the~~ the dorso-lateral surface of the trunk is darkest sometimes a definite streak. There are often light cross bars on the back, not infrequently followed by broader dappled bands. Several have light spots or groups of flecks on the lower ridge of the tail and some have light bars or ellipses along the lower edge of the trunk.

These are rather well developed only in  
2 adults.  
About 4 with intermediate counts  
gave difficulty in identification.

Symphrynus c. californicus: 12 (82-136)  
2 yg. to hb. gr.

Color generally duller and more slaty  
than heraldi and typically more  
backward toward C. fin.  
~~mostly~~ <sup>mostly</sup> with light cross bars, a few  
with these silvery white, usually a  
dorso-lateral dark streak on trunk  
sometimes a diffused mid-streak on  
belly. Lower part of opercle usually  
plain, usually less silvery than heraldi  
rarely with indistinct white flecking.  
Some <sup>with</sup> light flecks along the ventro-lateral  
keel of the trunk.

64. Paralichthys californicus: 1 hb. gr.  
caught (L); 2 adults seen,  
one hooked (L.) but not caught.  
Adults seen catching smelt.

→ Found dried; discarded

61 A Hypsoblennius gilberti (Jordan) 5 (19-20.5)  
B Hypsoblennius ~~senkinsi~~ ~~senkinsi~~ ~~senkinsi~~ 4 (14-15.5)

35. Paralabrax clathratus: 1 very yg., 13mm.  
 The bands are a rich brown, as also the primary streak from tip of snout to upper part of c. base. There is a weak bar downward and backward from eye is deep reddish. There is a blotch near the junction of the opercular bones. There is also considerable orange ~~the~~ about the whole nuzzle. There is an oblique silver bar downward and backward from eye and a smaller silver spot behind eye. There is a large silver area on the opercle and 2 smaller spots on the pectoral base. There are 7 bright metallic blotches in the light areas just below middle of sides, and considerable metallic pigment also on the 7 light bars on the back.

40B Sphyraena argentea: 1 yg. juv. 33mm.  
 No bright colors. There are a few orange pigment cells scattered over the side of the body. The nuzzle is translucent with a wash of greenish amber. The dusky pigment on the back end on the D. and A. fins and caudal base has a purplish cast. Cheeks and opercles brilliantly silvery and there is considerable silver on lower sides and the lower surfaces.