

Locality: California: San Diego Bay Pt. Loma Cove  
East side of the spit just S. of Yacht Harbor, La Playa.  
Lat. 32° 42.7-42.8 N; long 117° 14.0-14.1 W. U.S.G.S. chart 51971933

Water: salt and moderately clear; bottom visibility ab. 3-4 ft.

Vegetation: one patch of <sup>thin</sup> *Zostera* about 100 ft. long, rest open

Bottom: sand and mud, mostly firm Temp.:

Shore: sand and mud beach Current: very slight

Distance from shore: to 50' Tide: -0.4 at 3:20 P.M.

Depth of capture: Depth of water <sup>to</sup> ab. 4 ft.

Method of capture: 25' Baird seine

Collected by: C.L. + H.C. Hubbs + E. Kampa Date: x 11:13: 1944

Orig. preserv.: 10% form + borax Time: 1:30-3:40

All saved. A few crustaceans saved 5:30 P.M.  
for USNM.

6. Rhinobatos productus: 2 yg. 268-

292+ mm. 1 in eelgrass, 1 on open bottom  
To Calif. Acad. Sci. 11399

Platyphinoides triseriatus: 1 yg. 117 mm.

From eelgrass  
To Calif. Acad. 11408

Urobatis halleri: 1 ad. ♂, 293 mm.

From eelgrass  
To Calif. Acad. 11400

8. Anchoa compressa: 2 subad. 48-

55 mm. Open bottom Principal rays

30 in each.  
To Calif. Acad. 11423

40. Atherinops affinis: mostly itoralis  
but many californiensis and apparently

some intermediates  
Retained 500 (discarded)

Scorpaenopsis tenuis: 1 bl. gr. on open beach. 66 mm.

To Calif. Acad. 11422

47. Cymatogaster aggregatus: 1 ad. ♀, 74 mm.

D. X, 20; A. III, 24; C. 14.

In eelgrass Cypid for comp 47 file

55. Leptocottus armatus australis: 2 ad 123-135 mm  
 D<sub>1</sub> D<sub>2</sub> A P<sub>1</sub> P<sub>2</sub>  
 7 16 14 19-19 I, 4 - I, 4  
 6 16 14 19-19 I, 4 - I, 4  
 To Calif. Acad. 11407 (counts copied in group 55)

57. Syngnathus ocellatus: at least 2 ad.,  
 saved at 520 with S. c. leptorhynchus  
 From selgrass  
Syngnathus californiensis leptorhynchus.  
 Series yg. to ad. all but a very few from  
 selgrass, ~~some~~ incl. ♂'s with embryos  
 (in one about ready for birth). Greenish,  
 purplish and brownish phases.  
 Saved at 520. (from 32 b)

59. Zygnus gilberti: 1 yg. presumably this species.  
 From open beach. Transparent except for  
~~to~~ one large melanophore on midline  
 of back posteriorly and six on lower border  
 of crown, also ~~some~~ a fine vertical dash  
 at base of C. and 3 vertical dashes on midline  
 of belly. 13 mm. Also seven adults 25-33 mm.  
 To Calif. Acad. 11421

61. Heterostichus rostratus: 3 hl. yr 3 (82-96)  
 selgrass type, from selgrass only

D <sub>1</sub>	D <sub>2</sub>	A <sub>1</sub>	A <sub>2</sub>	P <sub>1</sub>	P <sub>2</sub>	C
37	12	2	33	13-13	I, 3 - I, 3	11 unbranched
36	13	2	33	12-13*	I, 3 - I, 3	11 "
37	12	2	34	13-13	"	11 "

\* Ray shorter than next (counts copied for group 61 file)  
 Retained at 520

Hypsoblennius gilberti:  
 Extended comparison made between 2 species  
 Color note at end

Hypsoblennius gentilis: 1 from selgrass  
 (Added to those from 32 b)

Californicus

64. Paralichthys maculosa: 41 yg. - hl. gr., 40 - 257mm

24 L; 17 R. To Calif. Acad. 1 partly ambicolorati

Hypsopsetta guttulata: 1 yg., 2 hl. gr. 28 - 146 mm. <sup>11398</sup>

All dorsal

	D	A.	C.
28mm.	68 + 0 = 68	49 + 0 = 49	15
43 ..	68 + 1 = 69 (2 intermediate not branched)	50 + 1 = 51	13
46	55 + 12 = 67	43 + 7 = 50	16

To Calif. Acad. 11402 (Copied for group 64 fish)

Pleuronichthys ritteri: 9 yg. - hl. gr.

St. L.	Eyes	D	A	P, <del>R</del>	C
126	R	63 + 0 = 63	44 + 0 = 44	8 - 10 (2 br.)	-
96	R	68 + 0 = 68	47 + 0 = 47	10 - 11 (6 br.)	13
69	R	69 + 0 = 69	46 + 0 = 46	10 - 11 (5 br.)	11
54	R	64 + 0 = 64	43 + 0 = 43	11 - 11	10
44	R	67 + 0 = 67	46 + 0 = 46	9 - 10	13
42	R	64 + 0 = 64	45 + 0 = 45	-	-
40 <del>66</del>	R	66 + 0 = 66	43 + 0 = 43	-	-
<del>35</del> 40	R	64 + 0 = 64	45 + 0 = 45	9 - 10	-
25 <sup>in</sup> bill	R	-	-	-	-

Color note taken in laboratory x 11:14

Rather uniform brownish with few blackish speckling. Very yg. with basal part of D. + A. black and head largely blackish except for light wedge behind eyes. Eyes whitish to black. Smallest ones with a large rhomboidal dark spot in middle of body and a blackish bar connecting the back bases of D. + A. Behind this bar is a light area extending on to C. fin. This area may be pinkish <sup>cream</sup> and similar color may show in a blotch along lateral line behind the main dark blotch. There are also other smaller blocks of light and dark.

CAS 11403

Heterostichus; color note: <sup>next day</sup> ~~found~~ in laboratory

3 with pattern identical, but one with ground color dusty green, with greenish yellow belly, another definitely greenish brown, with belly dirty yellow. In the green one the lower part of the head is greenish, in the other extreme the head is gray with yellow brown markings. The 3rd one is intermediate. The respective colors check rather well with live and dead eelgrass. The green-brown is definitely not Kelly brown. The brownest specimen has the back above the dorsal gray streak tan with deep brown saddles. In the greenest one these saddles are very faint, chiefly evident from the intensification of the dark back and the light streak at the borders.

Locality: California: San Diego Bay, Pt. Loma On E. side  
of spit just S. of Yacht Harbor, La Playa. Lat. 32° 42' 8" N  
Long. 117° 14' 0" W. USC + G.S. Chart 5107, 1933

Water: salt and moderately clear; bottom visibility about 300 ft.

Vegetation: .....

Bottom: ..... Temp: .....

Shore: ..... Current: .....

Distance from shore: ..... Tide: -0.4 at 3:20 P.M.

Depth of capture: ..... Depth of water: .....

Method of capture: 5 dip nets, around float

Collected by: C.L. & L.C. Hubbs + E. Kanga Date: XI:13:1944

Orig. preserv.: 10% form + borax Time: ~~2:30-3:00 P.M.~~  
all saved at 5:00 3-4 P.M.

57. Syngnathus californiensis leptorhynchus:  
1 added to series from H44-32a.

61. Hypsoblennius gilberti: <sup>2(55-80)</sup> 3 hl. yr. - ad. 40-80 mm.  
Extended comparison made between 3 species

Counts taken

Hypsoblennius ~~gilberti~~ jenkinsi: 12 yg. ad. 27-72 mm  
Yg. mostly from upper part of sides, hl. yr.  
and adults from lower sides and bottom.  
1 spec. photographed in color by Wylie

Hypsoblennius gentilis: 4 yg. - ad., 35-71 mm.  
Ad. ♂ photographed in color by Wylie. (9/15)  
(1 of them from 32a)