

Copied for Calif. Acad.  
I: 18. 1945

Sta. No. 144-44 Orig. No.

Locality: California: Newport Bay, Orange Co.  
Near middle of main northern arm, on E shore  
Lat. 33° 37.73-87, Long. 117° 53.05-10 (USC 65.5108, 1940)  
Water: bottom vis. at 4 ft; salt; easily voided.  
Vegetation: Some thin green algae exposed (near high tide line)  
Bottom: firm gravel; soft sand; soft mud Temp.: cool  
Shore: mud flats and rocky & clay point Current: slight to swift (tidal)  
Distance from shore: to 30 ft. Tide: Outgoing  
Depth of capture: Depth of water: to 4 ft.  
Method of capture: 25' Baird seinet + 4' x 16' C.S. seine  
Collected by: C.L. & L.C. Hubbs & E.M. Kampa Date: X 11: 30: 1944  
Orig. preserv.: 1090 form Time: 2: 30-5: 00 P.M.

Outside tide -1.1 ft. at 5: 16 P.M.

Saved all except many young atherines  
and some young to half grown  
gobies. Seining not good.

8. Anchoa compressa: series, 17 yg. <sup>43-64 mm.</sup> hl. gr. ad.

To Calif. Acad. 11480 one mud, near margin; shallow.  
Anchoa delicatissima: 8 bl. gr. - ad., 36-57 mm.  
counts at end of list.

27. Fundulus p. parvipinnis: 59 yg. - ad., 24-63 mm.  
To Calif. Acad. 11472 Shoreward margin, over mud, sand &  
gravel; shallow.

40. Atherinops affinis littoralis: series,  
(disc.) very yg. to ad. Young swimming  
at surface of small channel on  
mud flat; adults in deep, swift  
tidal water in current. all bl. gr.  
over

at 5: 30  
Very yg.  
are Atherinops  
C. californicus

to ad. head ~~is~~ yellow on eye and in a definite patch on opercle.

Atherinopsis c. californensis: series of yg. To Clothier, Calif. St. Fish. Lab. 73 spec., 15-25 mm.

46. Geryonemus lineatus: 1 ad. yg.

from ~~the~~ area intermediate between deep water & head of bottom and shallow mud-flat. 93 mm.

To Calif. Acad. 11512  
specimens transferred to group 46

D. XII, I, 10 (second broken). 21 or 22 (XII, I, 23); A. II, 11; C. 17

55. Leptocottus armatus australis: 1 yg.

To Charles Clothier D. VII, 15; A. 14; P<sub>1</sub> 19-19; P<sub>2</sub> I, 4-I, 4. (counts to group 55)

57. Syngnathus auliscus: 1 ad. ♂

To Calif. Acad. 11511

with empty pouch; same area as Geryonemus. 163 mm. long.

~~Length~~ D. 30; Rings 15+39 = 54 Total 84  
Head 16.20 mm.; Snout 6.85 mm.; Depth head 4.98 mm.  
Snout Depth 1.90  
(Copied to group 57)

59. Giretula y-cauda: 18 yg.-ad; 13-36 mm.

To Charles Clothier, Calif. St. Fish. Lab.

Glyptinus gilberti: 61 very yg.-ad, 14-37 mm.

41 to Calif. Acad. 11510  
20 to Clothier, Calif. State Fish. Lab.

Clevelandia ros: 10 yg.-ad. 13-33 mm

To Clothier, Calif. St. Fish. Lab.

all gobies on mud flat

(con.)

H44-44 (con.)

64. Paralichthys californicus : 9 yg. - ad.

4 R, 5 L.

(Left-right count added  
to asymmetric paper ~~Dec 1944~~  
Jan. 1945)

TO Calif. Acad. 11467

Counts in Group 64 file.

25	28	32	35
1	1	1	1
1	5	1	1
1			

~~Hypsipsetta~~ Hypsipsetta g. guttulata :  
4 yg. 13 - 23 mm. + 3 hl. gr.  
132 - 170 mm., all dextral.

Counts in Group 64 file

Calif. Acad. 11470

Symphurus atricaudus : 2, hl. gr. - ad.

Calif. Acad. 11513

Anchoa conpressa: D. Apr No.

11	29	3
11	30	7
11	31	3
11	32	1
12	28	1
12	29	1
12	33	1

(Transferred to group 8)

Anchoa delicatissima: Apr

	22	23	24	25
D 13	1	1	1	
14		1	2	1
15			1	

(Transferred to group 8)

*[Faint handwritten notes and bleed-through from the reverse side of the page, including dates like 'Apr 13-25' and 'Apr 14-15']*

X: 7:1944

Pituophis sayi: 1 hl. gr. collected on highway 2.2 mi.  
E. of Arriba, Lincoln Co., Colo. Crossing highway  
in afternoon.

To M.V.Z.

Number: \_\_\_\_\_ Date: \_\_\_\_\_  
Collected by: \_\_\_\_\_  
Number of snakes: \_\_\_\_\_  
Depth of snakes: \_\_\_\_\_ Depth of water: \_\_\_\_\_  
Distance from shore: \_\_\_\_\_  
Notes: \_\_\_\_\_  
Remarks: \_\_\_\_\_  
\_\_\_\_\_

SH. NO. \_\_\_\_\_ ONE NO. \_\_\_\_\_