

Copy for CAS
III: 23: 45

Sta. No. H45-23

Locality: California: Mission Bay, near mouth
on Pt. Dredano, bay side, San Diego

Lat. 32° 45' 25"-44" N.; Long. 117° 14' 51"-56" W. (USC & GS chart 5106, 1917.)

Water: salt, moderately clear

Vegetation: mostly thick Zostera

Bottom: sand with little mud

Temp.:

Shore: similar, in part boulders near bridge

Current: none to slight

Distance from shore: to 150 ft.

Tide: -0.8 at 4:13 P.M.
acc. to tide tables (correct)

Depth of capture:

Depth of water: to 6 ft.

Method of capture: 25' Baird seine + 3x17' scrim bag ^{seine}

Collected by: Carl L. + Laura C. Hubbs, E. M. Kampa

Date: II: 24. 1945

Orig. preserv.: 10% form. + borax

Time: 3:30 - 6:00 P.M.

All saved, good sewing.

27. Fundulus sp. parisianus: 3 subad.-ad., ^{48-63 mm} \wedge
To Stanford
Counts taken.

35. Paralabrax clathratus: 6 yg., 56-75mm
To CAS. 17876
Counts taken

40. Atherinops affinis littoralis
at 500 } Atherinops affinis cedrosensis } discard
1 2-qt. sample of with forms and
perhaps intergrades, mostly from
single large school

47A Embriotoeca jacksoni: 1 ad. 115 mm., imm. δ
Det. 500
Count taken

~~To CAS~~ Cymatogaster aggregatus: 2 ad. δ
Counted and discarded.

51 Sirella nigricans: 1 ad. 95 mm. Discarded

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Camp 51 file
D. XIV, 13; A. III, 10; C. 17; P. 19-19; P. 2 I, 5-I, 5
Vert. 12+15=27

55. Leptocottus armatus australis: 1 ~~year~~ lg. yg. 42 mm
Counts taken and discarded.

57A Aulorhynchus flavidus: 2 subad., 75-78 mm.

at 570 D. xxiv, 9; A. I, 9; C. 13; P₁ 10-10; P₂ I, 4-I, 4
xxiv, 9; I, 9; 13; 10-10; I, 5+5, 5

(Copied for group 57)

- at 570 { Syngnathus arctus: 3 hd. gr. - ad.
Syngnathus auliscus: several
Syngnathus c. leptorhynchus: ♂'s yg. to ad.,
mostly ad ♂'s with embryos. Good series
Syngnathus c. californensis: small series,
greenish, brownish, purplish body to imm. ads.
Had obviously come in with help of which
there was a considerable amount
stranded. a few were actually seized
about stranded help. all size fishes saved,
2 qt. sample.

59. Cleavelandia iro; 1 ad. ♀ full yellowish white
egg, 29 mm.
Counts taken, discarded

at 570 61. Sibbonia elegans elegans sp. 20.5 mm
post. larval, transparent
except for black eye and a small amount
of other black pigment. There is a black
crescent around front of D, with black
streamers extending forward on either side.
There is a speck or 2 about each nostril, one
large melanophore near posterior angle
of mandible. on the breast there is a very
large melanophore near the isthmus and
behind this, three melanophores in a transverse
row overlying some pigment on or
near the heart. There is also some
deep lying black pigment in an interrupted
line just above the vertebral posteriorly. There
are a few very small black flecks at the bases
of the posterior D. rays, and a fine black vertical

at the
line at the base of each lobe of the C. ^{Basals of each} ~~Basals of each~~
Asray there is a broad black Y. There is
a small black fleck about an eye's diameter
behind eye and some black pigment about the ear
and about the posterior end of the skull, as a
whole however the body is quite clear.

61A) Heterostichus rostratus: 4 transitional from
postlarval to juvenile, 33-38 mm. at S. 20.

10 yr. to hl. gr., seven in eelgrass phase, 1 from
with strong zigzag cross bars; largest 2 transitional
one near the kelp phase, other near eelgrass
phase. Presumably the kelp-type blennies had
come in with the kelp as had the kelp pigfish.
These 10 counted and discarded 4 (33-38 mm)

64 Paralichthys californicus: 6 L. + 4 R. 79-138 mm.

Counts taken and discarded.

Citharichthys stigmaeus: 3 ads 63-67 mm.

One ad ♀, 67 mm., with some ripening
egg in the ovary. The genital papilla
is a small simple structure. In the 2
♂s, 63 and 67 mm., the genital papilla is larger
than in the ♀ and bears a subterminal ring
of horn-like projections, somewhat approximating
the hemipenis of a snake. ~~The~~ In both sexes
the papilla is slightly on the blind side
between the rim of the body and the
anus. The base of the eyed-side pelvic
swings almost to but not over the midline.

To
CAS
17874

Possibly these characters indicate a distinct
genus.

Pleuronichthys nitleri: 1 ad., 162 mm.

To CAS. 17890