

diff SIO

Sta. No.

H 46-143 A-C

H 46-143 A:

Locality:

Baja Calif.: Melysomene Cove,
S end of Guadalupe Id. just SW of
South BluffLat. $28^{\circ} 52' 00''$ N.; Long. $118^{\circ} 18' 00''$ W. (USC & GS chart 1681, 1937)

Water: clear, salt

Vegetation: a little floating Sargassum, to which
fish paid no attention.Bottom: sand, but near rocky bottom Temp.: 63.0° F

Shore: boulders at sand at cliff base Current: none to mod

Distance from shore: close Tide: high

Depth of capture: surface Depth of water: abt. 13 fath.

Method of capture: dipnet at night

Collected by: "E. W. Sargass" (Sail L. H. 16 parts) Date: X 11:6:1946

Orig. preserv.: 1070 form thorax Time: 7-9:30 P.M.

Series of invertebrates preserved, Moonlight
incl. tow-net hauls by McHugh bright.8(A) Sardinops caerulea (21.5-25.5)570
yrs. fishcoll.m. ser. of transparent
post larvae48. Chromis : 2 juv.,
with little yellow.51. Sivella nigricans : 1 yr. in (25)
pelagic stage, looked white
in light. To Marineland XI. 1957County 61A) Hypsoblennius kamoharui : 1 post larvae (16 mm)
taken 220 yrs fishcoll.

✓ H 46-143 B Same data, except

X 11:7, 6:30 - 10:30 P.M.; night

in part cloudy, but fish came

mostly at moonlight; 62.5° F
(at 8:50 P.M.)

- Fish list over -

* Same temp. at 0115 X 11:7; 62.0° on X 11:5 at 4:45 A.M.

H46-143 B fish list (a few
invertebrates saved):

Temp 62.5°F.

✓ 8 A Sardinops caerulea (16)(22-25)
Sm. ser.

500
49 fish collection to August 1st just larvae; black
pigment along coelome apparent.

40. Atherinops fradaleysae(?) many
"smelt" thought to be of this sp.;
seen in latter part of evening
in a loose school, staying deep,
moving rapidly & nervously,
one occasionally rising to feed at
surface like a trout, descending
in a flash. Efforts to spear or
net fruitless. Seemed squalid
than A. e. cedrosensis.

42. Decapterus (?). Loose
school arrived a few times, staid
deep - none taken.

48. Chromis sp. 1(13.5) 2 juv.; a little
yellow toward C. ^{pelagic?}

57. Syngnathus confusus n. sp. 2 h. gr.
or yf. Smaller brownish red
(redder than is common in Syngnathus).

~~62~~ 10 ~~myctophid~~ Vinciguerra sp.?
64. Paradenus (?): 1 post larva,

ident. fish
by Bolin
I. 11. 1947 transparent, with 2 black spots

Gibbopsis moralis (?): 1 juv. (transp.)

500
49 fish
Counts
1000 Hypsoblenius kampae Paratypes: 4 post larvae

H46-143 B cm.

Color note in Lab. X11:12:1946

48. Chronis

Rather numerous erythrophores
~~or~~ mixed with the melanophores on
the side of the body, visible under microscope.
More heavily speckled antero-ventrally
than Chronis pantyminis, at even a
larger size.

insulae 2(98-98.4)

57 Syngnathus ~~confinis~~ n. sp.

The greener specimen has a dark
streak running downward and
backward from eye (as was also
noted in field in the lost specimen
from H46-144). On this specimen
the streak extending upward and
backward from eye is less distinct.
The streak running forward from
eye to chin is conspicuous posteriorly
but interrupted anteriorly.

The redder specimen has a dark
spot just behind and below eye but
no definite streaks radiating from eye.

Compared with Leptorhynchus of like size - from
Hudson Bay
Eye smaller, interorbital broader, has
more elevated rings and more parallel
edges. Body less robust.

61. Hypsoblennius ~~insularis~~ pigmentation seems
to agree with Kangas

↓ (over)
A Hypsoblennius ~~insularis~~ Jenkinsi 4(15-15.5)

1

H 46-143C

XII: 8: 1946

same data otherwise

570
48.
fresh
coll.

8A Sardinops caerulea : 2 (24-25)

61A Hypsoblennius ^{Jenkinsi Pristigaster} ~~leptocentrus~~ : 1 postlarva
counts taken (15 mm)

~~Green pigmentation~~

Temp. 62.1° F. at 21:23

[62.0° F. at 4:30 A.M., XII: 9]

[62.0° F. at 1912 on XII: 9]

146-143

Sardinops caerulea. Lengths taken

XII:18:1946 by C. L. H.

	Standard Length	Total Length
Dec. 7	26	29
	24	27
	24	27
	23	25
	23	26
	26	29
	24	27
	23	26
	24	27
	23	26
	25	27
	24	27
	25	29
	25	28
	24	27
	25	26
Dec. 6	22	24
	24	27
	25	28
	25	28
	25	28
	24	27
	25	29
Dec. 8.	24	27
	25	28

Pigment agrees in detail with ² first larvae taken with light at Scripps IX:1-2:1945-

F. N. Clark XII:18:1946
Size frequencies sent letter indicating interest in data.
Size frequencies to response to

(over)

St. L.

22-1

23-4

24-9

25-9

26-2

25

Total length:

24 1

25 1

26 4

27 10

28 5

29 4

25