

Copied For CAS

VII:14:1946

Sta. No.

H45-34

Locality: California: off La Jolla (west side)
off Casa Manana just to S.
On inner edge of kelp bed.

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

Water:

Vegetation: kelp bed (Macrocystis), scattering

Bottom: Temp.:

Shore: Current:

Distance from shore: Tide:

Depth of capture: on bottom Depth of water: at 40 ft.

Method of capture: lobster trap

Collected by: Howard for J. Hubbs Date: III:13:1945

Orig. preserv.: 109^u form. Time:

Brought in by Howard & preserved by L.C.H.

47. Embiotoca jacksoni (possibly a deep
170-175^u water form): 3 ad. ♂♂. General color
a coppery red-brown, with fine speckles
of bright blue on the scales, these blue
spots particularly prominent on the scales
on the side of the head. On those
body, the spots are most prominent
near middle of trunk, where they are
usually 2 in a vertical row on each
scale. They are also very prominent
below the pectoral fin where there
is one rather large blue spot per
scale. On the upper anterior parts of
the body there is a dusky purplish spot
or vertical bar at the crossings of the
scale socket lines. There are strong
coppery and brassy reflections on the
side of the head. On the body such colors
be more rather prominent on the breast in
a grid about the dark spots at the center of
over

Barnhart says that all the specimens of the
species he has taken from around 40 ft. in
kelp beds have been red.

P.S. on scale
collection

1-145-34

the scale pockets. The vertical dark bars on the body vary from lacking to weak. The lower lip is light yellow, the upper lip has much yellow but becomes pinkish toward the front of the snout, and blackish on and near the maxillary. The spinous D. is pink with the tips of the membranes inky blue-black (the two colors abruptly contrasting). The second D. and the A. are blackish red-brown; the C. somewhat lighter. The pelvic is similar but reddish on the spine. The pectoral is amber, grading toward lemon at the front edge, and pink on the fringes. On the base of the pectoral there is a dark bar or crescent, below which there is a streak in which blue is conspicuous.

53. Sebastes ~~vari~~ auriculatus : 1 subad.

Dark markings above lateral line, particularly forward, deep orange-red; those below lateral line dusky purple. The two streaks on side of head dusky orange-red. Gular and branchiostegal membranes largely dirty orange becoming gray posteriorly. Lower surfaces with considerable pink.

not found
11/11/10
1946

Sebastes ^{vexillaris} sp. : 1 ad. 302 mm. seemingly not vexillaris

Ca 5
19378
Corydon
Lahon

Max. 5.4
Height D. 2.1
Orbit 1.15

because spines much too low, eye somewhat narrower than in litoris. Interorbital apparently narrower than in litoris. Upper jaw as in caurinus and shorter than as described for either vexillaris or litoris. General color brown with some reddish suffused, especially ventrally and with considerable yellow on sides of trunk. A series of more or less connected and irregular yellowish blotches near base of dorsal. A bluish gray saddle near front of spinous dorsal and another below junction of dorsals. Tubes of lateral line paler and pinker than adjacent region. Coppery

scale centers evident, strongest postero-ventrally. Some dusky purplish speckling. Head with a considerable amount of yellowish and pinkish; the yellow is dappled on the opercle and occurs on the two head stripes. The membrane about the eye is dull red above. The upper lip is purple, the lower yellowish. The mandible is pale dirty pinkish. The gular membranes are orange-gray. The fins are brownish red, the lowest rays of the pectoral whitish pink. A slender but broad sp.

Sebastodes carnatus: 2 ad. ♂ and ♀ with ripe eggs.

CAS. Dark markings mixed yellowish and purplish, light areas dirty pink. Upper part of branchiostegial membranes yellow.

29 4 spec. 191-226 (One extra from this or #29)
H45-34: 3 spec. (177-232) in SIO Collection as of Feb '59 R.J. Krejca

55. Leiocottus hirundo: a fine ad. ♂. General color predominantly pink with deep reddish brown cross bars. Throughout all of the color of the upper and middle sides there are blue specks and reticulations. Anteriorly the irregular dark spots and blotches are greenish brown. The saddle under the 6th to 10th dorsal ^{Sof. ray} ~~spine~~ is rich brown. The saddle below the last D. soft ray is orange red with considerable brown mixed in. The saddle on the upper side of the C. peduncle is a clearer and more purplish ^{red} ~~brown~~ ^{connected} with a greenish bar ^{extending} ~~standing~~ back just above lateral line onto C.; the saddle is also continued backward onto upper edge of C., so as to largely enclose a pinkish area, separated from the saddle by a greenish

comparing labels in collection

To Stanford
55. L. 179 mm

white edging. The lower surfaces grade from clear yellow just behind the pelvic fins and on the large penis to cream near the end of the A. fin and to orange at the base of the C. The breast, the region between the pectoral fin and the yellow, and the lowermost spots ^{and bars} on the sides are shining clear white, anteriorly with an orange network. The head is varicolored with pink predominating behind the middle of the eye and the second preopercular spine and deep rich brown predominating forward. The cream colored upper lip is crossed by two deep brown bars. The lower side of the head is whitish with bold markings of purplish brown. The 1st D. is ~~not~~ clear with 2 broad very irregular red bands of which the 1st is extended along the front of the fin; between the last 2 spines there is a blackish green mark and some greenish suffusion nearby. The second D. is marked by about 8 red stripes on a clear bluish base; these stripes vary from subhorizontal forward and downward, where they are mixed with black to strongly oblique outward and posteriorly where the color is clearer. Much of the outer surface of the fin is lemon colored. The C. is largely deep amber on the rays with 2 or 3 faint bluish bars posterior. The A. is dappled with greenish and ochraceous on the rays, with sooty on the membranes. The pelvics have some yellow and some blackish. The pectoral is pale yellowish with coarse bands of mixed reddish and blackish; near the base are some large blackish blotches which occur also on the shoulder girdle in front of the fin, where there

is also a mixture of whitish, orange-brown and pale bluish.

New to fisherman. — "Mike" caught one off La Jolla some time ago & gave it to George T. Wernham who ~~has~~ had made a plaster cast of it. Later he loaned mold for Barnhart to make a cast for S.I.O.