

Sta. No. 446-161

Locality: Baja California: Guadalupe Island,
Melponene Cove

Seined in surf of anchorage cove

Lat. $28^{\circ} 52' 17''$ N.; Long. $118^{\circ} 18' 00''$ W. (USC & CS chart 1681, 19.37)

Water: ~~at~~ not very clear; salt

Vegetation: none

Bottom: sand, rather firm

Temp.:

Shore: sand beach (bouldery at high tide)

Current: rather strong waves

Distance from shore: to 100 yds

Tide:

Depth of capture: upper 6'

Depth of water: to 3 fath

Method of capture: 75' bag seine

Collected by: "E. W. Scripps" (Carl H. Hubbs party) Date: X11:9:1946

Orig. preserv.: 10% form. + borax

Time: 4:5:30 P.M.

40 Catherinopsis

Large series of large young to adult.
markedly blue in life, lateral band
not very prominent

40 Catherinops

(disc.)

Large series, bl. gr. - ad. Bright silver
blue lateral band with definite edges,
strong underlying blue streak at upper
edge of band. On back, centers of scales
blue-gray; margins of scale sockets brown.

47. Hyperprotopon ~~Kempton~~ ^{Hubbs} : 1 ad. ♀.

Strong purple wash, with coppery reflections
on upper half. Pectoral pinkish. Color notes

in form, XII-13:1946: There is much orange pigment over the sides, Furthermore near the middle of the body the scales are margined with pinkish. There are rather strong reticulations of orange about the scales on the side of the face. The spinous D. becomes orange-pink near the margin with considerable pink on the 2nd D. and pectoral. There is also some on the basal part of the pelvic, where the light area is probably less extensive than in argenteum. The outer part of the A. is blackish in a band covering about $\frac{1}{3}$ ht. of fin posteriorly and $\frac{3}{4}$ ht. of fin anteriorly.

→ Except along a broad slightly pinkish margin the C. rays are sooty blackish.

(The A-rays are orange along the inner edge of the sooty area.

Counts taken

The sides are horizontally striped with moderately distinct orange and blue streaks.

Earlier, around mid-day, we saw what appeared to be schools of smelt surfacing, no doubt as a result of being fed upon by larger fish. One small group of about 8 fish each, about 8" long, leaped in unison in low arcs for distances of 3-5 feet, much as Hyporhamphus did at Acapulco. In the field it was thought that these fish were Atherinops, but on noticing that Oxyporhamphus was taken by Vanderbilt & reported by Fowler (1944) it is wondered whether that species was the one seen. It is also possible that a hemiramphid occurs. — Note XII:24:1946.

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