

copy to Calif. Acad. Sci. I: 19: 1945

Sta. No. 2145-6 Orig. No.

Two pools at low tide level - some
dead murex done; one about 1 ft. higher

Locality: California: reef near Bird Rock, at tip of 1st
point S. of Bird Rock, San Diego
Lat. $32^{\circ}48'78''N$, Long. $117^{\circ}16'42''W$ (U.S.C.G.S. chart 5106, 1917.)
Water: clear, salt - In tide pools and open flat reef
Vegetation: much *Phyllospadix* & mixed algae (little *Corallina*)
Bottom: mostly rock, some boulders, stones & gravel Temp.:
Shore: wide reef to cliffs Current: some waves
Distance from shore: at outer edge of reef Tide: -1.4 at 4:26 P.M.
Depth of capture: One deep, horizontal crevice Depth of water: 3.5 ft.
Method of capture: chlorinated lime (heavily poisoned)
Collected by: C. L. & L. C. Hubbs, F. M. Kampa and Date: I: 13: 1945
Orig. preserv.: 10% formal Time: 3:30 - 6:00 P.M.

5. Heterodontus francisci: 1 egg case in
pool about 1 ft. above tide - probably
floated in; poor condition;
discarded.

48. Hypsypops rubicundus: 1 lg. yg., 70 mm.

(Counts copied for summary 48)
D. XII, 16 (all branched); A. III, 13 (all branched);
C. 15, P. 23-23; P₂ I, 5-I, 5. Dusky reddish
with brilliant blue specks. From pool at low tide
level, with deep, horizontal crevice.

51. Sirella nigricans: 1 lg. yg. discarded, 96 mm.
spec. to Calif. Acad. D. XIV, 14; A. III, 11; C. 17,
P₂ I, 5-I, 5. Same pool as 1 Hypsypops

55A Artedius creaseri: 1 ad., 58 mm.
Counts in summary 51 file

D. XI, 12; A. 9; P. 16-16; P₂ I, 3-I, 3; C. 10

Olive brown with dull bluish spots, one per
scale dorsally; below lateral line grading from
small thick set of roundish spots around
caudal peduncle to vertical ~~dash~~ dashes on
side of abdomen above the uniformly colored pale
purplish area. Oval area about anus with
red but not conspicuous. Same pool as

(Counts copied for summary 55)
at 500
Artedius

55B Callinectes corallinus: 72 mm. 1 ad.

D. IX-15; A. 12; P. 15-15; P₂ I, 3-I, 3; C. 11. Same pool
as Hypsypops

(over for color note)

Color note in form 1. 28
Upper parts dull purplish brown with
blackish saddles, bordered with pale translucent
dive. Considerable pink in streak along lateral
line. Lower parts translucent cream. Spots on
underside of tail similar but with golden-yellow
centers. A large ochraceous area on lower
sides above anus. D. + C. fins banded with purple.

Erethya rubellio: 8 ad. ♂'s + 5 ad ♀'s, from all
pools and open water. ♀'s with throat watery
green except reddish at tips of chin; ♂'s in this
region brick red, sometimes greenish near mid line
posteriorly. Fins redder and more nearly solid
reddish in ♂'s. 1st. anal spine green and
gelatinous tissue in large swelling behind spine
green. Counts taken; 1 ad. ♂ discarded

Dialarchus anyeri: 1 ad. ♂ counts taken & discarded
study gonopodial suspensorium (greatly modified)
Should be described and could be experimentally
on with hormones. Species not noted in
field.

Clivocottus analis australis: 11 bl. yg. - lg. ad.
59-125 mm.

to CAS 11461

60. Infratridens rhesodon: 13 yg. - ad., 16-39 mm.

To C.A.S. 11503 Counts taken

{ Rimicola E. eigenmanni: 21 spec. yg. - ad., 15-35 mm.,
CAS 11499
Rimicola E. ~~eigenmanni~~: 1 spec. 20 mm.
Counts taken 11500

61. Parachanna integrinervis: 19 lg. yg. to ad.
21-47 mm.

The smallest ⁽²¹⁾ almost pure white with barest
shade of dorsal ocellus and a few other blackish
streaks and bars on fins and on head; basal
part of pectoral entirely clear. The next smallest
(26 mm.) almost as pale and similarly colored
on fins except basal part is blackish. All
adults with a single well-defined dorsal

ocellus, with general color varying from reddish cream to sooty ^{and} purplish, ~~at~~ almost jet black in one. All with margin of A. and most of C. pale, very conspicuously so in blackest specimen. Some with red bar across nape. Others with red band along D. base.

Countstaken.

Sibbonia metzi: 3 lg. ad. Countstaken + discarded

Sibbonia e. elegans: 92 yg. ad.

Deterostichus notratus: ~~2~~ 2 ad., 205-211

In subdued eel grass color phase, not so bright green and less intensely silver striped than most bay specimens.

On preservation in formalin the stripes weakened, the color became brownish, particularly toward D. base and very distinct traces appeared of the vertical dark bars.

To CAS 11442 { Dyspsoblenius gilberti: 1 ad. ♂ 1(91)

570 { Dyspsoblenius Ramsey: 3 ♀ ad., 50-52 mm.
Jenkinsi