

jumping - larvicid.
 42. Seriola dorsalis: worked in after poisoning fishing
 off fish from open water.

5: very violet reflections on lower sides below band.
 Caudal peduncle yellow-brown, becoming nearly clear
 yellow below. Caudal with purplish gray on rays
 lateral line where exposed above and behind main
 band iridescent silvery on the specialized scales.
 Body below band with rather indistinct purplish
 gray streaks along ~~the~~ scale rows. This color
 becoming almost solid on the scales, except for creamy
 borders anteriorly. Rather strong metallic blue glints
 on side of head in advance of the blackish bar, strongest
 on the opercles. Body above and behind black bar
 purplish gray over a yellowish base. A bright yellow
 ring at edge of orbit posteriorly and ventrally. Band
 through eye rather rich brown. Considerable yellow
 before and behind band ~~one~~ above eye, and some
 yellow at preorbital edge in front of band. D. spines
 purple-black with the median membranes blotched
 yellow and purplish gray. Outer 3/3 of posterior
 half of dorsal sooty with some purple and with
 some yellow showing through. Soft dorsal
 purplish gray over pale yellowish basally with a
 subventral irregular band of lighter yellowish
 inside a blackish purple band. Margin of second
 dorsal almost clear with a trace of purple gray.

47. Brachyistius aleus: 1 ad preserved. ~~Recenter in~~
~~recess~~
- 48A Hyporhamphus rubicunda (174)
 1 hl. gr. + 1 ad. preserved many others
 seen by divers (see from 3-4-70) 2 (120-170)
 3 (43-104) 14 (32-64)
- 48 Chromis punctipinnis
 seen. Great numbers of adults
 seen. Some of half grown have posterior
 half of caudal more or less bright yellow tending
 toward lemon medially and toward orange
 at tips of lobes. In ~~of~~ one of young preserved
 entire caudal except extreme margins yellow.
 Outer part of D. similar. Trace of same color near tip of A. lobe.
50. Pimelometopon puberulum: 2 ygs. + 1 hl. gr. preserved.
 3 (28-100)
 Many seen in recesses, including young.
- Bohiemus diplotaenioides: 1 ad ♂ + 1 ad. ♀ preserved.
 Spared. Several seen.

NOV 26 1954

Supplementary Note on yellow fish
observed by Rehnitzger.

The fish described by Rehnitzger in the field, as having been seen in a recess underwater during the poisoning on XI:16, was called by him a Chaetodon. He described it as all orange-yellow but as very different from the garibaldis that were common here. He mentioned a sharp snout. From this field account, I thought he probably had seen an example of Forcipiger flavissimus, now synonymized with F. longirostris. But after an return he said he was almost sure it was a ponacentrid, and did not have a "jagged" muzzle. He mentioned a brighter ^{yellow} ~~orange~~ border to the ^{pelagic} ~~facial~~, but said it was not like Pomacentrus (Sarcus) that we collected earlier. When Rehnitzger went down with a spear to try to secure the yellow fish, he failed to relocate it, but instead brought up the beautiful Chaetodon described in the field sheet. No further sign of the all yellow fish was seen this day, nor during the explosion collecting next day. J.L.H.

XII:1:1905

While working on the description of the
new Chaetodon (falcipes) Dr. Reckwitz
points out that he found it at
the bottom (about 90 ft. down), where
the only plant growth was encrusting
coralline algae. It was only a foot
off the bottom, under a shallow ledge at
the bottom of the great vertical wall.

S. G. H.

51 Onchielma californensis: many obs. 4(95-212)^R

53. Scorpaena guttata guadalupensis: 1 seen
 affected by prism, but did not surface.
 Reported to be common by divers.

~~Scorpaenodes~~ Xyris: 1 ad. preserved.

55. Artemius near crasseri: 3 ad. preserved. 3(34-37)
 → 42(14.5-33) R.J.K. Feb '59

59. Lythrypnus zebra: 53 hl. gr. - ad preserved +
 13 from stomach of bass used for parasite
Lythrypnus delli: 17 preserved, plus 2 from
 stomach of bass, used for parasite. 17(19.5-35) R.J.K. Feb '59

To
 G. W. Beards
 V. 11. 1956

Color note: Deep orange-red forward. This
 color persisting through all of caudal, except
 blue margin in some specimens but in
 others grading on caudal into yellow.

61. Heterostichus rostratus guadalupensis 5(112-285)
 15 hl. gr. - ad. preserved

Gibbonsia elegans eroli: 1 preserved, from stomach
 of bass.

Gibbonsia norae: 1 hl. gr., preserved

61D Oligopus diagrammus: 1 ad., (124) → 4(30-44)

61 Alloclinus holderi: 1319. yg. - ad., preserved.
 1 additional for parasites + 1 from stomach
 of bass. (45 mm)

Tripterygiid: 1 ad. ♀ similar to ♂ but lighter,
 especially on C. All but last bar near upper
 edge of C. brownish red. Main bar near
 middle of C. reddish brown. Of 2 spots
 at base of C., upper blackish, lower
 reddish brown. Other C. markings
 over

Etmopterus
cerniceps
 Rosenblatt

grading from brownish to blackish. A trace
of yellowish on posterior part of caudal.

Call L. & Lane Cr
Hills

S1054-219A

XI: 17: 1954 Collected with primachord.

0930-1200, same locality as 219

+ 2 shots around first point to
South. 2-5 gallon cans + 1 2-gal. jar

Preserved unless indicated otherwise

10 *Vinciguerria nimbaria* 1(31)

34. *Xantichthys lineopunctatus*: 1 ad.

Body olive with purple-black membranes
between scales. A trace of orange-brown
membranes of first dorsal. Outer part of main
dorsal and anal dirty yellowish brown.
Upper and lower margins of C. beyond
fleshy base dirty yellow. Posterior margin
clear bright yellow outside a fine reddish
line within which there is a diffuse bluish
streak. Main part of C. fin only a little
more yellow than body.

5A. *Apogon guadalupensis*: 15 ad. preserved,
+ 2 used for parasites 15(71-89)

35. Paralabrax clathratus : 14 hl. yr. - ad., discarded

40A Atherinops affinis gradaligae : # lg. yg. - ad.
10 (59-146)

40B Atherinopsis californensis n. subsp. : 28 lg. yg. - ad.
erectus (55-190)

Atherinops and Atherinopsis to be checked

42. Trachurus symmetricus : 4 preserved; 15 disc.
adults.
4 (198-208)

Seriola dorsalis : 11 ad., discarded.

47A Brachyistius alatus : 11 hl. yr. - ad., preserved
+ 2 used for parasites (57-99)

47 Embrotoca jacksoni : 4 preserved, adults,
+ 2 used for parasites. 4 (127-150)

47C Danadidolops erectus : 1 (82) preserved.
Rhacochilus vacca

48A Hypsypops insular : 24 hl. yr. - ad., preserved
#2 sm. to large adults discarded

(over)

4f. car.

31 (43-104)
3B Chromis punctipennis: 49 yg. - ad, incl. are very
large adult preserved. Great numbers
killed but not picked up.

5B Azurina hiruudo: 66 ad. preserved, + 1 used
for parasite 73 (112-145)

50A Pimelometopon pulchrum: 10 ~~yg.~~ yg. - very large
adult preserved; 24 sm. to large adults discarded
(see note) 11 (42-505) There are large adult in tank. (See end of 51054-219A)

Bodianus diplotaenias: 1 ad. ♂, preserved in Tank

1 Oxyjulis californica: 3 lg. yg. - ad, preserved
(39.5-64)

1 Haliocleres semicinctus: 1 subad ♀ preserved
(113)

51. Givella nigricans: 1 lg. ad., preserved in Tank

1 Medialuna californiensis: 5 lg. yg. - hlg. yg.,
preserved; 21 very large yg. - ad. discarded
+ many not picked up.

53. Scorpaena guttata ^{ad.} guadalupensis: 1 ad. preserved

Scorpaenoides xgris: 8 hl. yr.-ad., preserved

59. Lythrypnus zebra: 35[→] yg.-ad., preserved

lat. fascia 49 (18.5-39.5) R.J.K. Feb '59

" dalli: 52 yg.-ad., preserved

60. Carulatilus [anomelus] [princeps]: 1 ad., discarded

61. Heterostichus rostratus ^{guadalupensis} 5 hl. yr.-ad. +

4 used for parasites 5 (83-187)
to C.S.U!

Gibbonsia ^{elbgans} ervoli: 1 spec. taken out of
stomach of bass, badly digested,
discarded.

61 Alloclimurus ? holderi: 1 ad. (30)
From stomach of
bass, preserved.

61D Oligopus ~~Favos~~ diagrammus: 6 (105-140), preserved.
loaned to D.M. Cohen July 1962

Note on SI054-219A-50A (Pimelometopon pulchrum): One large specimen found in tank with data attached (std. l. = 505 mm). Field notes on this specimen indicate that it is one of ten preserved; nine specimens with same data should be in jar, but not found. However, a jar with ten specimens of this species was found without data & was allegedly from "Guadalupe Island." Tentitively, these ten specimens are assigned the same data as the large one in the tank & are shelved.

JFC, 11 July '62