

State or Country: México, Baja Calif. Norte Field No. S1054-219  
County: Map: 160 (H.O.) 1945  
Locality: ab. 15 mi. north of southeastern point of Guadalupe  
Is. at South Point  
Lat.  $28^{\circ} 52' 20''$  N., Long  $118^{\circ} 17' 05''$  W.  
Water: very clear, 42 ft.  $15^{\circ} 53' 34''$  on bottom about 16.88 (1958)  
Vegetation: much *Sargassum* with *Zostera*

Bottom: rock, sand, gravel, etc. to 100'.  
Cover: fine; very coarse & rocky. Temp.: Diving register registering 65 down.  
Shore: nearly vertical, bare. Current: Weak at first; poison.  
Dist. offshore: 0-50 ft. Stream width: in cloud, then dispersed.  
Depth of capture: Depth of water: 8-10 ft.  
Collected by Carl H. Stubbs, A. B. Reicheniger & parties Date: X1/16/1954  
Tide: Method of capture: derris and aqua lung diving and spear.  
Orig. preserv.: 10% formalin thorax Time: 0930-1130

Small package of shells frozen; 1 giant keyhole limpet cleaned.  
All fish saved, except 10 Paralabrax clathratus.

Poison made a rather persistent cloud, so Reicheniger decided not to use dynamite; then it quickly dispersed.  
Sheephead, bass, yellowtail, etc. no doubt picked off fish. Many discarded ones had in stomach <sup>other fish</sup> <sub>etc.</sub> preserved.  
(*Hythynnus zebra* 13 ad.) used for parasites  
*Lethrinus enoki*: 1 ad., preserved.  
*Allodominus*: 1 ad. for parasites.

23 Cyprinodon, almost sure californicus - 1 ad., seemingly  
slight difference in dorsal rays off from last.  
35A Apogon guadalupensis: 1 ad. preserved, 1 add. for parasites 12 (65-43)

35. Paralabrax clathratus: 1 ad. sp. preserved,  
10 discarded. Large adults seen  
by divers.

32 Chaetodon sp.: 1 ad. captured by Reicheniger  
Main angulated dark mark deep brown-sulphur  
almost jet black. Ventral surface may extending  
onto pelvic and anal fins and interspace  
holotype on membranes behind adipose. The lower fins  
dusky olive-yellow grading to blackish brown  
at margin of pelvic and just within clear margin  
of Anal. (over)

These do  
not include  
in total  
count

Cat. No.  
20734  
related  
notes

Chetodan car.  
Silvery 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 ~~side~~ scale rows. This color  
becoming almost solid on the scales, except for creamy  
border anteriorly. Rather strong metallic blue glints  
on sides 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 ~~as~~ above eye, and some  
yellow at preopercular edge in front of band. D. spines  
purple-black with the median membranes blotched  
yellow and purplish gray. Outer  $\frac{2}{3}$  of posterior  
half of dorsal mostly with some purple and with  
some yellow showing through. Soft dorsal  
purplish gray over pale yellowish basally with a  
suborbital irregular band of lighter yellowish  
inside a blackish purple band. Margin of second  
dorsal almost clear with a trace of purple gray.

Chetodan car. ~~Very well colored, yellowish base.~~ ~~blackish purple band.~~ ~~blackish purple band.~~

47. Brachyistius aleut.: 1 ad. preserved. <sup>328-104</sup> ~~Richardson~~ ~~seen~~

48A Hypopyge <sup>rubicunda</sup> ~~richardsoni~~ (74) : Thl. gr. + ad. preserved, many others  
seen by divers (one from surface), 2 (120-170)

48 Chromis punctipinnis 31(43-104) 14(32-64)  
young. preserved. Great numbers of adults  
seen. Some of half grown have postelio  
half of caudal more or less bright yellow tending  
toward tan medially and toward orange  
at tips of lobes. In <sup>one</sup> <sup>out</sup> 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 pulchrum : eggs. + 1 h. gr. preserved,  
<sup>328-105</sup> Many seen in recesses, including young.

Portunus diplobaenoides: 1 ad ♂ + 1 ad. ♀ preserved.  
Speared. Several seen.

NOV 26 1954

Supplementary Note on yellow fish  
observed by Rechutizer.

The fish described by Rechutizer 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 the field account, I thought he probably had seen an example of Forcipiger flavissimus, now synonymous with F. longirostris. But after an interview he said he was almost sure it was a pomacentrid, and did not have a produced snout. He mentioned a brighter <sup>yellow and</sup> orange border to the <sup>pelvic</sup> ~~pectoral~~, but said it was not like Pomacentrus (damascene) that we collected earlier. When Rechutizer went down with a spear to try to run up the yellow fish, he failed to reload it, but instead to bring up the beautiful Chaetodon described on the field sheet. No further sign of the all yellow fish was seen this day, no during the explosion collecting next day. S.L.N.

XII:1:1902

While working on the description of the  
new Chartoderma (falcipes) Dr. Reichenbach  
points out that he spread 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.

It was very rugged from a tree  
and covered in soft moldings  
with sandy grit & sandstone  
I right & sawed big  
pieces off, one had broken  
off again in another half moment  
in the top, I stripped off the  
mold on it so it could  
be cleaned & you can see  
the different boulders and the old  
rocks quite distinct a number  
of them were torn in  
two or three pieces  
but the main part of the  
tree was still  
standing & it was  
very large & strong  
so it was a  
good deal of trouble  
to get it down as  
it was very tall  
and the top of the tree  
was very large

- 51 Acanthilurus californiensis : many observed  
53. Scorpaena guttata <sup>as</sup> guttata <sup>ad</sup> guttatus : 1 seen  
affected by prism, but did not surface.  
Reported to be common by divers.

Scorpaenopsis xynis : 1 ad. preserved.  
Scorpaenodes

55. Artedius var creaseri : 3 ad. preserved.  
3 (34-37) → 42 (14.5-33) P.J.K. Feb '59

59. Lythrypnus zebra : 53 ad. gr. - ad preserved +  
13 from stomach of bass used for parasites  
Lythrypnus dalli <sup>(atavista 19(19.5-35) P.J.K. Feb '59)</sup> : 17 preserved, plus 2 from  
stomach of bass, used for parasites.

T. G.W. Bandur 1956 Color note: Deep orange-red forward. This  
color persisting through all 9 caudal, except  
blue margin in some specimens but in  
others grading in caudal into yellow.

61. Heterostichus rostratus <sup>guadalupensis</sup> <sup>5(112-235)</sup> 15 ad. gr. - ad. preserved  
/ Gibbonsia legans <sup>legans</sup> : 1 preserved, from stomach  
of bass.

- Gibbonsia norae : 1 ad. gr., preserved

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

61. Alloclinus holderi : 13 lg. yg. - ad., preserved.  
1 additional for parasites + 1 from stomach  
of bass. (45 mm)

Enneapterygius  
Cteniceps  
Rosenblatt  
Tripterygiid : 1 ad. ♀ similar to ♂, but lighter,  
especially on C. All but last bar was 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

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

Carl L. & Laura C.  
Tables

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-gt. 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 on  
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 aethreatus : 14 bl.-gr.-ad., discarded

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

40B Atherinopsis californiensis, n. subg. : 28 <sup>1/2</sup> lg. yg. ad.  
enectes (55-190)

Atherinops and Atherinopsis to be checked

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

Seriola dorsalis : 11 ad., discarded.

47A Brachygenys aleut : 11 bl.-gr.-ad., preserved,  
+ 2 used for parasites (57-99)

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

47C Dromidichthys curvirostris : 1 (82) preserved.  
Rhacochilus vacca

48A Hypopomus insular : 24 bl. gr.-ad., preserved  
#2 sm. to large adults discarded

(over)

4F. con.

18B Chromis punctipinnis : 31 (43-104)  
49 yg. - ad, incl. are very  
large adult preserved. Great numbers  
killed but not picked up.

18C Azurina hirundo : 66 ad. preserved, + 1 used  
for parasites 73 (112-145)

50A Pimelometopon pulchrum : 10 ♀ yg. - very large  
adult preserved; 24 sm. to large adults discarded  
(See end of  
note) 11 (42-505) There are large adult in tank. (See end of  
note) 5034-219A  
Bodianus diploaeurus : 1 ad. ♂, preserved in Tank

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

1 Haliichthys semicinctus : 1 subad. ♀ preserved  
(113)

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

1 medialuna californiensis : 5 lg. yg. - 6 lg. yg.  
preserved; 21 very large yg. - ad. discarded  
+ many not picked up.

53. Scorpaena guttata guadalupensis: 1 ad. preserved

Scorpaenoides xrys: 8 ad. gr.-ad., preserved

59. Hythrypnus zebra: 33 (14-38.5) R.F.K. Feb '59  
TO standard  
11.1956

.. lat. fascia 49 (18.5-39.5) R.F.K.  
dalli : 52 gr.-ad., preserved

60. Canthigaster anomala [princeps]: 1 ad., discarded

61. Heterostichus rostratus <sup>quadrupliciosis</sup> 5 gr.-ad. +  
4 used for parasites 5 (83-187)  
To C.I.U.

Gibbonsia erroli elegans: 1 spec. taken out of  
stomach of bass, totally digested,  
discarded.

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

61D Oligopus <sup>frontalis</sup> diagrammus: 6 (105-140), preserved.  
Loaned to D.M. Cottrell July 1962

Note on SIO54-219A-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." Tentatively, these ten specimens are assigned the same data as the large one in the tank & are shelved.

JFC, 11 July '62