

Mid-water trawl

H51-278

Net in water 0100

Secured at 0120 at 711 meters.

At 0125 50 meters brought in to test winch.

Lowered to 780 meters at 0130.

Commenced retrieving net 0220

Net on board 0251

Ship's speed 4 knots.

Lat. 32° 31.2' N, Long. 117° 45.6' W to

Lat 32° 28.4' N, Long 117° 44.6' W

(San Diego trough)

Calculated depth 320 meters.

Angle of wire 23.5° toward beginning of haul.

Haul speed made ~~good~~ <sup>about</sup> 3 knots,

From Capt. James Faughn

Midwater Trawl 27 July 1951

0200 underway at 20 turns, net being lowered. Course 180° (165° T.)

0250 c/s to 4 kts.

0320 Retrieving net c/s to 30 turns

0351 net on board

Posit start of haul - 32-31.2 <sup>N. 20.</sup> / 117-45.6 <sup>W. Long.</sup>

Posit completion of haul. - 32-28.4 N. Lat 117-44.6

Haul speed made good - 3 kts. W Long.

State or Country: Baja California Field No. HSI-278  
 County: N. District Map: \_\_\_\_\_, 1  
 Locality: from extension of International border southward  
 about 3 miles (Position furnished by Capt. J. Faughn  
 from ship log) Lat.  $32^{\circ}31.2 \rightarrow 32^{\circ}28.4'N$ , Long.  $117^{\circ}45.6 \rightarrow 117^{\circ}44.6'W$ .  
 Water: clear at surface  
 Vegetation: none

Bottom: \_\_\_\_\_

Cover: none Temp: \_\_\_\_\_

Shore: sand Current: \_\_\_\_\_

Dist. offshore: about 29 miles Stream width: \_\_\_\_\_

Depth of capture: 320 meters <sup>computed by</sup> Depth of water: 760-800 fath. (fathoms)

Collected by Carl H. Hobbs, John D. Isaacs, Lewis W. Kidd <sup>Boyd W. Walker</sup> on \_\_\_\_\_

Tide: S10 MV "Horizon" Date: VII: 27: 1951

Method of capture: 10' beam-depressor midwater trawl; <sup>bucket</sup> 1/4 sq. mesh near

Orig. preserv.: 10% formalin Borex Time: 0100-0251 PST (haul 0120-0225)

All fish saved Haul speed about 3 knots per hour

JUL 28 1951

Collection brought to S10 VII: 27; sorted with help of  
 K. S. Norris VII: 27-28; identified by S. L. N.

2 small specimens to S Stillman Berry JUL 28 1951

8A ~~Sagaminichthys abei~~ ~~Parr~~ : 2 half-grown (80-109)

9 Leuroglossus stilbius Gilbert: 2 ad

9 Bathylagus alasmilleri Chapman: 2 ad (140) large scales  
 in net added to jar of this species

10 Danaphos oculatus (Garman): 4 part. to juv (19-22)

10 Angyroglossus ~~bailli~~ <sup>intermedius</sup> 1 yg + 1 hlgr <sup>2014.8.7.28.2</sup> identified by

Bolin's proc. key (MS) Large backward projecting  
 abdominal spine seen when specimen was fresh

T.S. Parr  
 E.C. 1953 Idiastanthus antrostomus Gilbert: 1 fine ad, 327mm

caught by teeth in net. Glandular material  
 easy in all photophores, including the  
 suborbital and the pair of ~~suborbital~~ <sup>orbital</sup> organs  
 between each approximated pair of ventral  
 organs. Patches of sensory papillae  
 bluish gray.

25 Electrona rubra (Lütken): 1 fine ad

25 Pisophis theta (Fig & Fig): 2 ad (36-38)

~~Stenobrachius leucogaster~~ (Fig & Fig): 14 hlgr

25E Lampanyctus ~~argus~~ parvilux indens: 1 ad (105.8) PARATYP

Lampanyctus mexicanus (Gilbert): 5 hlgr - ad

Lampanyctus nitteri Gilbert: 1 hlgr. (43)

larval myctophid (adv. post. larva): 1

(over)

loaned to  
 acheson  
 VIII: 4: 51

(over)

(41.6-45.6)

31A Melamphaeis lugubris Gilbert : 4 hl. gr. ↗

53. Sebastolobus altivelis Gilbert : 2 juv.

Sail L. Stubs.

25 Hierops crockeri

1(46)

53 Sebastolobus altivelis

1(44)

25 Stenobranchius leucopsarus

13(35-72)

State or Country: Baja California Field No. HSI-278A

County: N. District Map: \_\_\_\_\_, 1

Locality: Approximately on extension of International border, in San Diego Trough

Lat. 32° 31.2' N, Long. 117° 45.6' W.

Water: clear, salt

Vegetation: none

Bottom: \_\_\_\_\_

Cover: \_\_\_\_\_ Temp: \_\_\_\_\_

Shore: sand Current: slight

Dist. offshore: about 29 miles Stream width: \_\_\_\_\_

Depth of capture: surface Depth of water: 760 fath.

Collected by Carl L. Hubbs, John D. Isaacs, Lewis W. Kidd, Boyd W. Walker

Tide: A party on S/O M.V. "Horizon" Date: VII:27:1951

Method of capture: observation under bright light

Orig. preserv.: \_\_\_\_\_ Time: ca 1200-0100 PST

VII:29:1951

6. \_\_\_\_\_ : 2  
pale tan ray swam slowly through lighted area;  
about 10" across; looked like a bat-ray  
(Hulachinus) but was lighter; too deep to see  
tail, etc. — Peculiar habitat for a ray!

23 Coelocobis saira (Breder): yg - ad. common; adults  
increasing until hundreds were about boat.

Carl L. Hubbs