



State & Country: Baja California, Mexico Field No. SIO 67-64
 County: Map: HOG 23, rev. VIII, 1964
 Locality: E part of seamount NE of Is. La Guadalupe

Lat. 29° 26.5 N, Long. 117° 15.6 W
 Water: very clear and blue
 Vegetation:

Bottom: uneven
 Cover: Surface Temp.: 15.5-16.8°C (thermograph)
 Shore: rocky Current: (in area)

Dist. from Isla Guadalupe 54 mi
 Dist. offshore: 8.5 naut. mi. Stream width: f
 Depth of capture: near bottom (see below) Depth of water: 536 fath. (GDR)

Collected by SIO expedition MV 67-1A, on R/V Thomas Washington
 Hubbs, Wisner, McConnaghey, et al., listed before MV 67-1A Date: IV: 27-28: 1967
 Tides: McConnaghey, et al., listed before MV 67-1A Date: IV: 27-28: 1967
 Method of capture: free-vehicle set-line, with hagfish trap (5-gal.)
 Orig. preserv.: 10% neutral formalin Time: 1953-0745 (PST)
 (Coryphaenoides frozen)

MV 67-1A-28

Ronald T. McConnaghey in charge of operation.

V 30 hooks baited with frozen squid in bottom ca. 100 m of line; trap baited with frozen bonito.

0745, IV: 29 Recovery completed, came up about 0710, a little less than scheduled 12-hour interval for solution - but other set (# 27) not yet up.

On line:

1 (384)
 ♂ Alepocephalus tenebrosus: 1 very large adult.
 Photographed in color by Robert L. Wisner; in B & W by Eric Stockberg.
 Preserved flat in large plastic tray with hagfish.

62 Coryphaenoides acrolepis: 4 adults.
 2 used for gas studies by E. B. Douglas.
 On hooks (about 10 feet apart, from bottom hook about feet from anchor):
 1, 7, 26, 27.

In trap - see over

Paul L. Hubbs. (over)

over

MV 67-IA-28 (cont.)

In trap

Small series of the usual amphipod
2 pale olive on body, whitish on
appendages, others more or less
deep red.

4. ~~Step~~ Eptatretes deani 20(380-510): few series;
highly variable in color. Mostly all
blackish, with brownish or purplish
cast; one of these with white preanal
fin fold. A few dusky tan, much like
stoutii (2 definitely, others intermediate).
One of light type has a few sooty
blotches. Several are more or less
strongly piebald; one of the
strongly piebald ones has preanal
fold whitish with blackish marks.
A few, including both plain blackish
and piebald types, have whitish
area about mouth, suggestion
of Myxine circeifrons.

Carl H. Hubbs.

Record of otter trawling attempt.

Off State or Country: Baja California, Mexico Field No. ~~51067-~~

County: Map: H.O. 623, rev. VIII, 1964

Locality: NW of seamount NE of Isla Guadalupe

Lat. 29° (43.5 → ^{31.0}) N, Long. 117° (32.0 → 20.8) W

Water: very clear & blue 31.2 N 20.4 W

Vegetation:

Bottom: gentle, even slope

Cover: Surface Temp: 15.5 - 15.8°C

Shore: rocky Current: (thermograph)

Dist. offshore: ^{main land} 84-90 naut. mi. Stream width:

Depth of capture: bottom ⁵¹⁵ Depth of water: 1450-1707 fath (G.D.P.)

Collected by SIO exp. MV 67-IA, on R/V Thomas Washington
C. Hubbs, M. S. Per. McCannaghay, et al. listed before MV 67-IA-7 Date: IV. 28. 1967

Method of capture: 41-ft. fine-lined, semi-balloon

Orig. preserv.: Time: 1217-1806 (PST)

Ronald R. McCannaghay in charge of operation.

MV 67-IA-~~25~~ 26

Laying out trawl 1217 - Sun faded - net brought aboard and 19A.

Attempt to rectify abortive attempt MV 67-IA-13
Second attempted start 1333. Operating at 2.5 knots.
1514 Holding with no change of speed with 6200 meters of wire out; now 1680 fathoms

1602 Start haul-in. 1647 "

1645 Cut speed from 2 1/2 knots to steerage; ship holding stationary and wire angle about 45° 1608 fathoms

1806 Net aboard - Builde badly twisted but boards still moderately spread. No sign of reaching bottom - 1450 fathoms
Crisen from 1608 in last hour.

Carl H. Hubbs



State & Country: Baja California, Mexico Field No. ~~51067~~

County: _____ Map: HO 623, rev. VIII, 1964

Locality: E part of seamount NE of Isla Guadalupe

Lat. 29° 27.5' N, Long. 117° 16.2' W.

Water: very clear & blue

Vegetation: _____

Bottom: uneven

Cover: _____ Surface Temp.: _____ °C (thermograph)

Shore: rocky Current: _____

Dist. offshore: 5.2 naut. mi. Stream width: _____

Depth of capture: _____ Depth of water: 320 fath. (G.D.R.)

Collected by SIO expedition MV 67-IA, on R/V Thom. Washington

Hubbs, ^{Hubbs} ~~Hubbs~~, ^{McConnaughey} ~~McConnaughey~~, et al. listed before MV 67-IA Date: IV: 28-29: 1967

Method of capture: free vehicle set-line with trap (for hyst.)

Orig. preserv.: _____ Time: 1965- PST

MV 67-IA-27

Ronald R. McConnaughey in charge of operation

V 30 hooks baited with frozen squid in bottom
ca. 100 m. of line; trap baited with frozen
bonito.

Failed to relocate by 1020 hr IV-29, when
it was expedient to leave to pay respects
to the Mexicans on Isla Guadalupe.

Paul H. Hubbs.

State & Country: Baja California, Mexico Field No: ~~S1067~~
County: Map: H.O. 623, rev. VIII: 10, 1964
Locality: E part of seamount NE of Isla Guadalupe

Lat. 29° ($27.0 \rightarrow 25.8$) N., Long. 117° ($16.0 \rightarrow 14.9$) W.
Water: very clear and blue
Vegetation:

Bottom: uneven

Cover: Surface Temp.: $15.7-16.0^{\circ}\text{C}$. (thermograph)

Shore: rocky Current:

Dist. offshore: ~~3.2-5.5~~ ^{from Isla Guadalupe 81.5-82 mi.} ~~5.5-8.5~~ ^{near. miles} Stream width:

Depth of capture: surface Depth of water: 305-714 fath. (G.D.R.)

Collected by SIO expedition on MV 67-IA, on R/V T. Washington

Hubbs, Wisner, McConnaughey, et al. (listed before MV 67-IA) Date: IV: 28, 1967

Method of capture: dip-net under light

Orig. preserv.: frozen (red crab) Time: 1910 - 2031 PST
(10% butyl form (1 foil))

MV 67-IA-29 Wisner & McConnaughey in charge of operation

Stopped primarily to secure red crabs
(Pleuroncodes planiceps) for chemical

analysis, as per request of Milner B. Schaefer, Institute of Marine Resources, University of California.

Filled 5 gal. bucket - can of red crabs

23. Caught one scury (Colobus sibiricus) - Few seen, some large.
Picked up 1:22 by Richard Pierce for ^{Hubbs} lab.

One rather slender fish with red caudal fin came into light, but escaped capture.

Less than 100s of Pleuroncodes from midwater trawl E & SE of Guadalupe Island added (from MV 67-IA-23 & 24)

Program satisfactorily completed

Mr Ohre cooked up some of the crabs to produce broth, which with a little butter, salt, pepper, and shoyu sauce tasted O.K.

Paul L. Hubbs.

Recording failure

State & Country: Baja California, Mexico Field No. ~~5107~~

County: _____ Map: H.O. 623, rev. VIII, 1964

Locality: NW of seamount NE of Isla Guadalupe

Lat. $29^{\circ}(43.5' \rightarrow 28.3')$ N, Long. $117^{\circ}(32.5' \rightarrow 18.2')$ W.

Water: very clear & blue

Vegetation: _____

Bottom: gray-brown mud (over depressor bar)

Cover: _____ Surface Temp: $15.5-16.0^{\circ}\text{C}$. (thermograph)

Shore: ^{rocky} front side Guadalupe 48-525 mi. Current: _____

Dist. offshore: 82.5 - 91.5 naut. miles Stream width: (780-1080 feet/hour)

Depth of capture: Bottom Depth of water: 1722-1703 fath. (GDR)

Collected by SIO exp. MV 67-IA, on R/V Thomas Washington

Tide: _____ Date: IV: 27-28

Method of capture: Isaac Kida 10-ft. midwater trawl use 25 dredge

Orig. preserv.: _____ Time: 1335 - 0535 (PST)

MV 67-IA-30

Carl H. Hubbs,

Robert L. Visner & Ronald R. McConnaughey
in charge of operation.

With meter-net cod-end.

2107 Near anchor buoy (MV 67-IA-14) starting
220° T course. Survey preceding operation
(as was done on abortive trials with
other trawl (MV 67-IA-14 and 26).

2202 After dropoff from seamount bottom is
levelling off just passing 1600 fathoms.

2232 Has been rather rough, rough seeming to be
levelling off at 1680 fathoms.

2315 Bottom sloping up, now 1666 fathoms decision
to start 180° c/c soon to launch ~~for~~
midwater trawl.

2335 Trawl in water going out; 1698 fathoms

0117 Slow to steerage; 7000 m W.O.; 1642 "

0126 7700 m W.O. 1646 fath.

0215 Start wind in @ 20m/min, ship holding

Bottom has been evenly steerage; 1641 fath.

Ship speed during ^{rising} "steerage" has been registering
slightly under 1 knot 1641 fath.

0245 Increasingly winch speed to 40m/min

Potentiometer has been reading 4000 lbs, former
p to 5000 lbs. Cont over 1635 fathoms

Carl H. Hubbs.

over

MV 67-IA-30 (cont.)

0300

fathoms; Increase ship speed
from ca 1.0 to 2.0 knots

0535 Trawl aboard - rear
end tow loose - gray brown
mud on entire depressor bar.