

State of Country: off Baja California Norte, Mex. Field No. S10 67-56

County:

Map: HO 623 rev. 1964

Locality: northeast of Isla Guadalupe, northwest
from seamount

Lat. 29° (30.4 to 44.9) N., Long. 117° (208 to 395) W.

Water: clear and blue

Vegetation:

Bottom: Remenberably even, except at end of haul

Cover: (see record and photograph) Temp.: 15.3-16.2°C

Shore: rocky island 46-51 mi. Current:

Dist. offshore (mainland) 54.4 mi. Stream width:

Depth of capture: est 0- m. (0-4000-20 m. w. 6.5) Depth of water: 1485-1712 fath. (6-18)

Collected by SIO exped. MV 67-14 on R/V Thomas Washington

Tide: Hubble, Wisner, McConaughy, et al. Date: IV: 24: 1967

Method of capture: 10-ft. Isaacs-Kidd midwater trawl

Orig. preserv.: 10% buffered formalin Time: 0115-0748 (PST)

MV 67-14-12

Wisner in charge of operation

Operating with at 20 m/min out to 4000 m WU and
return

Course 320°T

Trawl in water 0115 at 1490 fathoms.

Trawl out of water 0748 - irregular bottom.

✓ Non-closing trawl with meter-net cod-end.

Collection: 1 2-gal jar miscellaneous invertebrates.

1 vial odd crustacean & check.

1 4-oz. jar strained plankton.

1 2-qt. jar fishes (miscellaneous)

1 1-qt. jar with cerateoid and
minarictes (?)

1 4-oz jar tiny fishes.

1 vial with black gallstone from
Lampanyctus mexicanus.

Attempting to keep alive in 2 1/2 gallon jar
in galley chiller box 1 prejuvenal

26 nemichthyid. (Died overnight, put in 1 qt jar)

Surprisingly small catch - cod-end about 1/2 full.

Gail L. Hubble

over

MV 67-IA (cont.)

Dr. Mary Stanson Pritchard worked over a few specimens for parasites:

11. Cyclothone acclinidens (3) - cyst on gill filament

Cyclothone signata (6) - "negative"

25 Triphoturus mexicanus (7) - cyst on gill filament; 1 had the gall stone mentioned over.

25	<u>Hierops crockeri</u>	5(17-21)
25	<u>Lampanyctus ritteri</u>	25(18-72)
25	<u>Symbolophorus californiensis</u>	3(22-49)
10	<u>Vinciguerrria lucetia</u>	12(17-29)
10	<u>Danaphos oculatus</u>	8(21.3-36.3)
10	<u>Argyropelecus intermedius</u>	13(13.4-24.9)
10	<u>Argyropelecus pacificus</u>	8(10.1-37.5)
10	<u>Argyropelecus hawaiiensis</u>	5(10.7-30.5)
10	<u>Sternoptyx diaphana</u>	3(19.5-26.3)
65	<u>Oneirodes acanthias</u>	1(91)
10	Dotichopteryx? <u>Bathylchnops exilis</u>	1(11)
26	<u>Nemichthys scolopaceus</u>	1(612)
* 25	<u>Triphoturus m. septentrionalis</u>	183(21-68)
* 25	<u>Diogenichthys lateratus</u>	2(13-23)
* 25	<u>Ceratoscopelus Townsendi</u>	13(19-47)
25	<u>Nannobrachium gibbsi</u>	1(88)
25	<u>Nannobrachium bristori</u>	1(73) Paratype
26	<u>Cyema atrum</u>	2(104-116)
25	<u>Nannobrachium hawaiiensis</u>	1(42)
8	<u>Microrictus taaningi</u>	1(108)
31	<u>Poromitra crassiceps</u>	1(25)
9	<u>Leuroglossus stilbius</u>	2(21-34)
9	<u>Bathylagus wesethi</u>	10(18-83)
9	<u>Bathylagus pacificus</u>	1(94)
* discarded		

State & Country: off Baja California Norte, Mex Field No. 51067

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

Locality: NE of Isla Guadalupe, and NW of Seamount. Map: H.V. 6-2, rev. VIII, 1964

Lat. 29° (43.7' to 30.4') N., Long. 117° (31.0' to 18.1') W.

Water: clear and blue

Vegetation:

Bottom: rather smooth

Cover:

Surface Temp.: $14.8^{\circ} - 15.8^{\circ} \text{C}$

Shore: rocks

~~Current:~~

(thermograph)

Dist. offshore: 52-980 mi. from mainland

Stream width:

Depth of capture:

Bottom attempt

Depth of water: 1485-1712 BTH (GDR)

Collected by SIO expd. M.V. 67-1A on R/V Thomas Washington

Collected by SIO Exped. MV67-1A on R/V Thomas Washington
C. H. Wiser, McCannan et al. See list below MV67-1A-1 Date: 11/24/1963

Method of capture:

41' Otter travel. Semi balloon fire-lifted

Orig. preserv.: 100 buffered form. Time: 0923-1335 PST

MV 67-IA-13 McConnaughey in charge of operation.

Not started down at 0923, in 1688 fath. after starting attempted reciprocal course to MV 67 & 5412, which except at end traversed remarkably smooth bottom.

Started payout at 50 m/min - crept up to about 90/ min about 1045 hr.

1055 slowing speed to 2 knots

1057 5800 m. W.O.; holding until attempting
to hold speed at 12 knots; 1605 fath.

Till now bottom has been somewhat more rolling than on MV 67-14-12, but apparently still safe.

Soil bottom rose with increasing steepness but remained smooth

1053 Slowed to 2 knots at 1610 fathoms, with
idea of holding at 5500 m. were out.

1112 Increased speed to 3 knots, ca. 1590 feet

1130 Depth 1535 fathoms.

1137 Speed slowed to 2 knots; started winding in at 50 m/min; depth 1500 fath.

(over)

Field Data Sheet: Fish—12m-8,'60(B2277m)997

1014 h, good stage fix.
29°40.5' N, 117°25.8' W.

over

1335 net on board.

Net failed to reach bottom.

Contains 1 pelagic squid

1 Pleuroncodes, 1 Aggropolecus

(black blotched sp.), 1 Cyclothone

signata, and a few pelagic

invertebrates, including 1 Pleuroncodes,

1 Sagitta, and several other

strictly pelagic items. Collection saved.

(Mr. Howard took a few). 1688

Depth ~~about~~ ^{graded} from ~~1682-1700~~ fathoms

to about 1500 fathoms at 1137 when

haul is started, the net irregularly

to ca 500 fathoms at end.

First trial with new net. Heavy,

large boards were assumed to

suffice to get trawl on bottom

with continuous speed of vessel.

But strong westerly drift was

been increased speed of vessel

in reference to stationary

bottom water.

Eric Hochberg found the squid infected
with protozoan parasites, took samples, and
returned squid to
collection.

Garth. Hubbs

Record of other traveling attempt

State or Country: Baja California Norte, Mexico Field No. 51067

County:

Map: H0 623, rev. VII, 1964

Locality: NE of Isla Guadalupe, and NW of Seamount

ca. Lat. $29^{\circ} 47.5'$ N, Long. $117^{\circ} 42.7'$ W

Water: clear and blue

Vegetation:

Bottom:

Cover:

Temp.:

Shore: rocks

Current:

Dist. offshore: 95 nautical miles from mainland

Stream width:

Depth of capture: bottom

Depth of water: ca 1600 CG DR

Collected by SIO exped MV 67-1A on R/V Thomas Washington

Hubb. Wisner, McCannaghan et al. (see list earlier) Date: IV:24/967

Method of capture: 41-foot semi-ball on alter trail

Orig. preserv.:

Time: shortly after 1900 PST

MV 67-1A-14A

Another attempt to haul new otter
trawl, immediately following check
run on $320^{\circ}T$ at full speed, finding
seemingly feasible bottom. At 1900 hr.
14:24 I ck to 140° to set net. Proceeding
(too slowly?) trawl whirled and bridges
wound up together. Troubles continued, so
decision was made to return to end of
basin near anchored buoy of MV 67-1A-14
to set free vehicle gear.

State & Country: off Baja California Norte, México Field No. 51067-

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

Locality: near western edge of seamount NE of
Isla Smedley, but on floor of basin

Lat. 20° 37.3' N., Long. 111° 22.2' W.

Water: clear and blue

Vegetation:

Bottom:

Cover:

Temp.:

Shore: rocky

Current:

Dist. offshore: mainland 85 naut. mi.

Stream width:

Depth of capture: I. Smedley 53 "

Depth of water: 1550 fath. (G-DR)

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

Hubert J. Wisner, McCannaughey et al. (listed below) Date: IV: 24, 1967

Method of capture: free-vehicle set-line

Orig. preserv.:

Time: 2158 -

(P 50)

(bottom)
V vertical set with 30 hooks baited with
squid & ca. 100 m.; 5 gal. bagfish trap baited with
MV 67-IA-15 - McCannaughey in change bonite.

2134 IV: 24 stopping for set, just short of
escarpment of seamount at 1600 fathoms even.
2158 Set completed, depth 1550 fathoms

Failed to relocate - see
note on MV 67-IA-17 sheet.
Another search on IV: 28 and 29
failed to locate set.

State & Country: off Baja California Norte, Mex. Field No. ~~5115~~

County: Map: H.0623, rev. VII, 1964

Locality: along western edge of seamount NE of
Isla Guadalupe

Lat. $29^{\circ} 36' 6''$ N., Long. $117^{\circ} 20' 4''$ W.

Water: clear and blue

Vegetation:

Bottom:

Cover:

Shore: rocky

Dist. offshore:

Depth of capture:

Collected by

Hubbs,

Wisner,

McCannaghay et al.

Method of capture:

Orig. preserv.:

Surface Temp.: $15.5 - 16.6^{\circ}\text{C}$. (in area)

Current: (thermograph)

Stream width: off Isla Guadalupe, mi.

Depth of water: 1382 fath. (G.D.R.)

Date: 11/24-25/1967

Time: 2225 - 1208 (PST)

Vertical set, with 30 hooks baited with squid
in bottom ca. 100 m.; 5 gal. bagfish trap baited
with bonito.

MV 67-IA-16

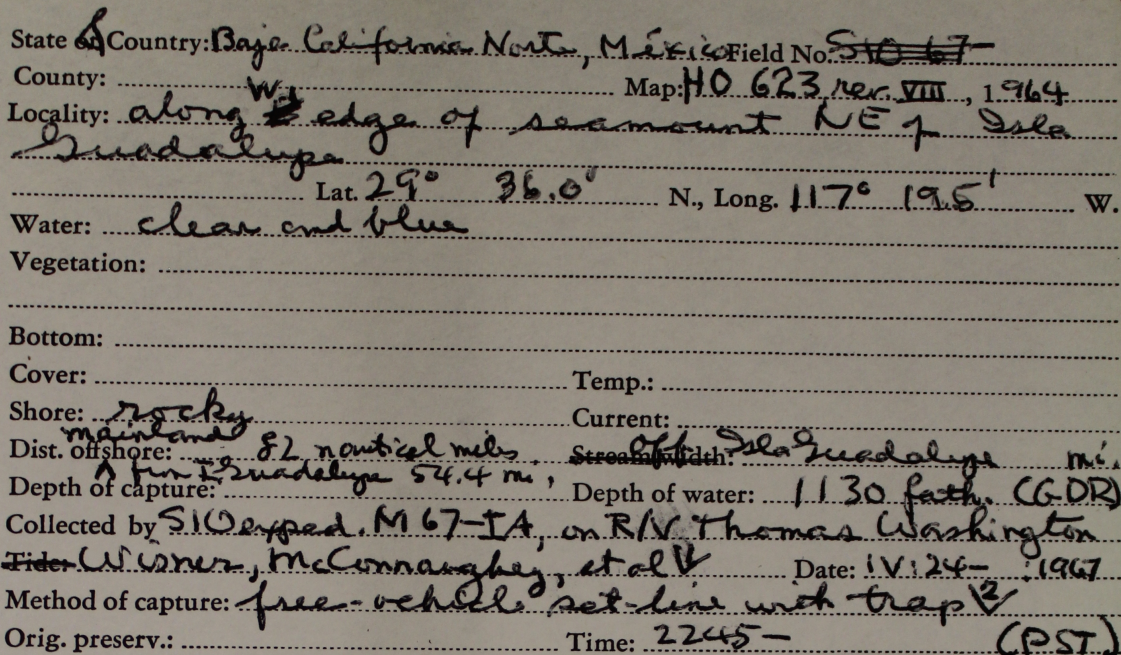
McCannaghay in charge of operation.

2219 Stopping for set, 1410 fathoms, close
to bottom of seamount, on uneven slope.

2225 Set completed, 1382 fathoms.

Recovered 1202-1208.
Bait untouched; nothing in trap.

Paul L. Hubbs



✓ Listed on sheet preceding MV 67-I 1
 (B) Vertical ^{with 20 ft. trap} set in bottom ca. 100 m.; 5-gal.
 herring trap baited with bonito.
 MV 67-IA-17 McCannaughey in charge of operation.
 2234 Stopping for set, 1220 fathoms
 2245 Set completed, 1130 fathoms.

Failed to find before ^{nearly} dusk on IV: 25
despite prolonged search with
pattern taking into account strong
current and strong wind. Finally,
decided best to run to lee of
Isle d'Amour.

Another search on IV: 28 and 29 failed to locate set.

Sail L. Huber.