

State & Country: off Baja California, Mexico. Field No. SIO 67-47
 County: _____ Map: HO 5184, 1st ed., 1966
 Locality: SW of San Diego, S of W from Ensenada
 Lat. ~~31° 33' 00" N~~ ^{31° 55' 00" N} to 31° 30' 00" N, Long. ~~117° 52' 30" W~~ ^{117° 54' 00" W}
 Water: clean and very blue
 Vegetation: _____

Bottom: mostly flat; near outer edge of shoals peninsula
 Cover: _____ Surf. Temp.: (thermograph) ~~14.0-15.2~~ C
 Shore: rocky Current: ~~15.1-15.6~~
 Dist. offshore: 60-66 naut. mi. Stream width: (mostly > 900)
 Depth of capture: ~~to 4000 m. were out~~ Depth of water: 680-1112 fathoms
 Collected by SIO exp. MV 67-IA H. H. Wisner, M. McManus, (B&PR)
 Tides: et al. (see list before MV 67-IA-1) Date: IV 20 1967
 Method of capture: 10-ft. Isaacs-Kidd non-closing midline trawl;
 Orig. preserv.: 10% buffered formalin Time: ~~1508-1923 PST~~
 Wisner in charge of operation.

MV 67-IA-2 On R/V Thomas Washington

LOG: hr.

- 1508 Trawl in water. Est in at ca. 920 fath.
- Position est. 31° 35' N, 117° 54.0' W. - Position at
- 1455 was given as 31° 36.1' N, 117° 54.4' W.
- 1602 4000 m were out (W.O.); holding.
- 1606 Bottom rising sharply, started to
- pull in at 30 m./min. (same as payout).
- 1615 Top of min. at ca. 830 fath.
- 1616 Start ^{with} full speed temporarily.
- 1632 Stop winding to hold ~~at~~ at 2500
- m. W.O.
- 1635 Depth 1040 fath.; est steady at 240°
- 1636 Bottom flattens off at 1052 fathoms.
- 1800 Start to retrieve at 30 m./min.; depth
- 1092 fath., were dropped to 1112.
- 1834 1080 fathoms; starts to shoal fast
- 1815 reaches deepest point, 1112 fathoms.
- 1845 990 fathoms.
- 1900 860 " rising fast
- 1915 770 " " "
- 1923 680 " net in

over

MV 67-IA-2 (cont.)

Mrs. Pritchard takes for
Parasite study - all discarded
except for ceratiid.

(over)

11. Stomias atriventer; 1 large ad.
30. Scopelogadus mizolepis bicolor:
2 adults
11. Sternoptyx diophana:
9. Leuroglossus stilbicus - 1 ad.
25. Lampanyctus ritleri: 2 ads.
65. Ceratiid - Intestinal canal opened
& washed out; specimen saved.

Eric Hochburg dissects for
parasites + brown squid (mesozopsis)
+ 1 large Vampyroteuthis
dissected carcasses saved
Squid gilled many ciliates; Vampyroteuthis
was clean.

Collection:

- 2 1-gal. jars of invertebrates
1 2-qt jar of fishes
1 4-oz. jar plancton, strained
out by pulling off all wash
water

Carl H. Storer

SIO 67-47

Species List

25	<i>Hierops crockeri</i>	1(16)
25	<i>Lampanyctus ritteri</i>	23(18-99)
25	<i>Parvilux indens</i>	3(63-79)
25	<i>Stenobranchius leucopsarus</i>	3(18-19)
25	<i>Triphoturus mexicanus septentrionalis</i>	102(17-63)
10	<i>Idiacanthus antrostomus</i>	1(67)
Gift to IMARPEP 1982 Peru	20 <i>Malacosteus niger</i>	GIFT 1(68.5)
10	<i>Argyroleleus pacificus</i>	2(22.5-23.5)
10	<i>Sternoptyx diaphana</i>	4(9-30.5)
10	<i>Viriguerria lucetia</i>	3(17-23)
10	<i>Argyroleleus aculeatus</i>	4(14.2-26.1)
8	<i>Talismania bifurcata</i>	3(17-72) 1(17)
65	<i>Oneirodes acanthias</i>	1(80.0)
discarded	25 <i>Ceratospilus townsendi</i>	2(17-22.0)
	25 <i>Diogenichthys lateratus</i>	1(19.0)
	25 <i>Symbolophorus californiensis</i>	1(30)
	8 <i>Holtbyrnia latifrons</i>	1(10)
	31 <i>Melamphaes lugubris</i>	1(34)
	10 <i>Cyclothone signata pseudopallida</i>	40(14-30)
	10 <i>Cyclothone atraria</i>	7(47-60)
	10 <i>Cyclothone acclinidens</i>	306(24-54)
	9 <i>Microstoma microstoma</i>	1(24)
	8 <i>Sagamichthys abei</i>	1(29.5)
	9 <i>Leuroglossus stilbicus</i>	4(20-35)
	9 <i>Bathylagus wesethi</i>	30(20-64)

LOST

State of Country: Baja California, Mexico Field No. 51067-
County: Map: HO 5184, 1st ed, 1966
Locality: SW of San Diego, westerly of Ensenada
Appx. Lat. 31° 28' N., Long. 117° 57' W.
Water: clear and very blue
Vegetation:

Bottom: 16.1 - 16.6 (concreted)
Cover: Surface Temp.: ~~14.5~~ 15.0° C. (thermographs)
Shore: rocky Current:
Dist. offshore: 6.4 naut. miles Stream width:
Depth of capture: bottom Depth of water: 1017 fath. (G.D.R.)
Collected by SIO exp. MV 67-IA on Thomas Washington
Tide tubes, W. S. McConnaughey, et al * Date: IV: 20-21: 1967
Method of capture: Free-vehicle set line; horizontal; trap in adroit
Orig. preserv.: ly. omitted. Time: 2104 - ~~0700~~ 0700 hrs, PST.

MV 67-IA-4 on R/V Thomas Washington

* See list on sheet before MV 67-IA-1.
McConnaughey in charge of operation.

Line was not recovered. Mate mistakenly
took off for anchored buoy (MV 67-IA-1)
travelling off within ca. 7 mi. of it, bypassing
no. 4 about 9 miles. I perhaps
foolishly had him proceed to pick
up no. 1. We then failed to locate
no. 4 though searching much of rest
of day fruitlessly. Probably it failed
to surface.

Carl G. Huber.