

State & Country: off W coast, Baja California, Mex. Field No. = **SI066-31**
County: southern part of Baja
Locality: basin NE. of Isla Guadalupe, approx. E of N end of island.
Map: Topog. Chart I, 1964
J.O. Chart 0623, 1963
Lat. $29^{\circ}17.1'$ to $29^{\circ}08.0'N$, Long. $117^{\circ}22.4'$ to $117^{\circ}47.7'W$.
Water: clear, blue **$29^{\circ}13.6'$** **$117^{\circ}35.1'$**
Vegetation:

Bottom: smooth until very rough toward end of haul
Cover: Surf. Temp.: $15.5-16.5^{\circ}C$ (thermograph)
Shore: rocky Current:
Dist. offshore: 25.5 - 46.5 naut. miles Stream width: 1510 - 2036 fath. PDR
Depth of capture: estimated to 5500 m. W.O.J. m. Depth of water: 1874 - 2036 until last 1 hr.: 15 m
Collected by Carl L. Hubbs, Robert L. Warner, Allen J. Steen, Jr., and party, on
Tide: S.I.O. R/V "Alexander Agassiz" Date: IV:5:1966
Method of capture: Jags-Kidd non-closing midwater trawl; meter-net cod end
Orig. preserv.: 10% buffered formalin Time: 0921 - 1702
MV66-I-26
See over for log.

Invertebrates: 1 1-gallon jar
1 4-lb. jar of plankton obtained by straining all washings through meter net cod-end.
Fishes: 1 8-lb. jar of very small and/or special specimens.
1 1-gallon jar.

Although collection included one *Venefica tentaculata* and 2 liparidids (*Paraliparis* sp.) there was no indication that net scraped bottom, and depth of water would seem to have precluded any close approach to bottom. (We let out the full safe length of 5,900 meters. Only ca. 6,000 m. on drum, in order to rewind it. Initial job was poor, causing Carl L. Hubbs trouble heretofore.)

10 <i>Danaphos oculatus</i>	13 (30-39)
26 <i>Cyema atrum</i>	2 (87-107)
25 <i>Ceratoscopelus townsendi</i>	26 (18-47)
25 <i>Diogenichthys atlanticus</i>	7 (11-22)
25 <i>Hierops crockeri</i>	5 (26-46)
25 <i>Notoscopelus resplendens</i>	1 (55)
25 <i>Parvilux ingens</i>	1 (153.5)

- 25 *Symbolophorus californiensis* 2(36-49)
 25 *Taaningichthys bathyphitus* 1(84.5)
 25 *Triphoturus mexicanus septentrionalis* 177(20-63) 2
 10 *Sternoptyx diaphana* 2(37-36)
 25 *Scopelarchus analis* 1(20.2)
 25 *Taaningichthys paurolychnus* 1(84.5)
 PARATYPE
- 10 *Argyropelecus affinis* 9(15-57)
 10 *Argyropelecus hemigymnus* 5(21-31)
 26 *Congridae -leptocephali* 2()
 -gift to U.C. Santa Cruz
- 31 *Scopelogadus mizolepis bispinosus* 7(20-77)
 31 *Scopeloberyx robustus* 4(49-55)
 31 *Melamphaes janae* 1(37)
 10 *Idiacanthus antrostomus* 2(68-79)
 10 *Vinciguerria nimbaria* 68(16-37)
 10 *Cyclothone acclinidens* 308(14-49)
 10 *Cyclothone pseudopallida* 124(15-41)
 10 *Cyclothone atraria* 12(23-56)
 9 *Bathylagus wesethi* 9(21-70)
 26 *Nemichthys scolopaceus* 1(412)
 56 *Pseudnos anoderkes* HOLOTYPE 1(27)
 56 *Pseudnos pallidus* HOLOTYPE 1(59.7)

MV 66-I-26

Midwater trawl log

N: S: 1966

CS 248° T.

Start at 29° 17' N, 117° 22' W.

(Good sun, Floren bearing)

ACTUAL TIME RANGE (rad)	SCHEDULE	OUT TO MAXIMUM	DEPTH fathoms, by PDR minimum to maximum	RANGE PDR minimum to maximum	REMARKS
0921 - 1103	LAYING OUT TO MAXIMUM	5900 m W O	ca 1930	ca 2036	*
1103 - 1118	HOLD AT, 5900 m W O		2036	2034	
1118 - 1133	HAUL IN TO 5500 m W O		2030	2034	
1133 - 1147	HOLD AT	"	2027	2036	
1147 - 1202	HAUL IN TO 5000	"	2027	ca 2000	with signal trans.
1202 - 1217	HOLD AT	"	2000	2035	observed by surface sig.
1217 - 1232	HAUL IN TO 4500	"	2020	2026	
1232 - 1247	HOLD AT	"	2000	2020	observed by surface sig.
1247 - 1302	HAUL IN TO 4000	"	2000	2000	
1302 - 1316 1/2	HOLD AT	"	ca 2000	1994	
1316 1/2 - 1332	HAUL IN TO 3500	"	1970	1994	
1332 - 1347	HOLD AT	"	1970	2000	
1347 - 1411	HAUL IN TO 3000	"	1970	1974	
1411 - 1417	HOLD AT	"	1966	1974	
1417 - 1432	HAUL IN TO 2500	"	1959	1974	
1432 - 1447	HOLD AT	"	1949	1976	
1447 - 1502	HAUL IN TO 2000	"	1930	1954	
1502 - 1517	HOLD AT	"	1874	1926	
1517 - 1532	HAUL IN TO 1500	"	1876	1932	
1532 - 1547	HOLD AT	"	1932	1956	
1547 - 1602	HAUL IN TO 1000	"	1714	1844	
1602 - 1617	HOLD AT	"	1565	1950	
1617 - 1632	HAUL IN TO 500	"	1510	1565	
1632 - 1647	HOLD AT	"	1510	1510	END OF TRAWL
1647 - 1702 (4)	HAUL IN TO SURFACE	"	1555	1650	29° 08.0' N, 117° 57.7' W.