

SIO 71-112

State & Country: Baja California N., Mexico Field No. 40623
County: _____ Map: 40623 ed. 1963 ^{rev. 1970}
Locality: From bank NE of Isla de Guadalupe in
direction of Isla San Benito
FROM Lat. 29° 24.8' N. Long. 117° 03.7' W.
Water: clear, oceanic TO 29° 09.2' N., 116° 49.0' W.
Vegetation: _____ avg: 29° 17.0' N., 117° 06.3'

Bottom: _____
Cover: _____ Temp.: _____
Shore: _____ Current: _____
Dist. offshore: 64-73 naut. miles (from Isla de Guadalupe)
Depth of capture: surface to est. ^{stream width: ca 1,000 m.} Depth of water: 1205-2,113 fath.
Collected by C. L. Hubbs, R. L. Wisner, R. E. McConaughy, S. R. Luke,
etc. et al. on SIO R/V Alexander Agassiz Date: V: 29, 1971
Method of capture: 10 ft Isaac-Lidd Midwater Trawl*

(fish) Orig. preserv.: 10% buffered formalin Time (total): 1425-1942 PDT

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* Standard meter plankton net used for cod end

Paid out 5,000 m. of wire from 1425-1545 hrs.;
then held off for 15 minutes, and reeled in steadily
from 1600 hr. at rate of 20 m./min. until the
hawl was out at 1942 hrs.

Rather low volume for such a haul but
with some choice specimens.

All invertebrates saved by Luke. An
outstanding find by Frederick S. Hochberg, Jr.,
was what he thought will prove to be a new
genus of parasitic ciliates from the liver of the
Bathypelagic squid Histioteuthis.

All fishes saved, except for:
182 specimens of Triphoturus mexicanus
picked out by Wisner for life-history study of
this species as a graduate problem by
Shirley Insand of SIO, and for
300 specimens (by count) picked out of
Cyclothone aculeoides (the great bulk of this
species taken) — for chemical research by
Mr. Font as arranged with McConaughy.
Choice items not included a late over

over

Transformation stage of *Cyema atrum* and 2
fin specimens of *Paralepididae*.

10 *Cyclothone atraria* 28(41-56)
10 *Cyclothone acclinidens* 227(21-50)
10 *Cyclothone signata* 149(15-33)

Carl L. Hubbs.

25 *Lestidiops ringens* 2(75-83)
8 *Holtbyrnia latifrons* 3(23-33)+1(c.Y.S.)
26 *Cyema atrum* 3(84-120)
26 *Serrivomer* sp. 2(484-567)
10 *Aristostomias scintillans* 1(94)
10 *Danaphos oculatus* 5(33-38)
25 *Ceratospilus townsendi* 36(37-46)
25 *Symbolophorus californiensis* 1(47)
26 *Avocettina infans* 2(475-505)
25 *Triphoturus mexicanus* 12(26-38)
25 *Lampanyctus tenuiformes* 7(18-43)
25 *Nannobranchium ritteri* 1(84)
25 *Protomyctophum crockeri* 2(17-45)
31 *Scopelogadus mizolepis* 5(19-80)
10 *Argyropelecus lychnus* ^{bispinosus} 7(11-42)
10 *Argyropelecus hemigymnus* 6(12-18)
10 *Argyropelecus affinis* 20(11-65)
10 *Stomias atriventer* 1(119)
31 *Scopeloberyx robustus* 2(56-62)
9 *Bathylagus wesethi* 11(24-87)
9 *Bathylagus stilbicus* 8(18-23)
* 42 *Ichthyos lockingtoni* 1(16)
* 9 *Bathylagus* sp. 2(
* 31 *Melamphaes* sp. 2(
* 53 *Sebastes* sp. 1(

* gift to G. Moser, NMFS-La Jolla + 3 other larvae
(1 *Chiasmodon*)