

SI073-252

State ~~of~~ Country: MÉXICO, Field No. MV 73-I-34
 Co~~ast~~: west coast Map: NO 21023, 1972
 Locality: over Middle America Trench, ~~off~~ southwesterly
 from Boca del Río Verde
 Lat. 15° 33.0' N., Long. 98° 15.5' W.
 To 15° 35.5' N 98° 40.6' W
 Water: ocean 35.8'
 Vegetation: 10.0'

Bottom: mulling
 Cover: ~~must be slightly if any~~ Temp.:
 Shore: Current:
 Dist. offshore: 36.5 → 26 naut. miles Stream width: G.D.R.
 Depth of capture: est. at > 2000 m Depth of water: 2600 - 2830 fm.
 Collected by Carl H. Hubbs & party on SIO R/V "Alexander
 Agassiz" on cruise 7303 Date: IV:7-8:1973
 Method of capture: Dredge-Ride 10f Midwater Trawl, meter net end-end
 Orig. preserv.: 1090 Time: 2230 - 0637

Except on payout and haul in

(below?) Total haul 12 nautical miles mostly at constant, maximum depth estimated by Robt. L. Wisner, who programmed this collection, as surely somewhat over 2,000 m, therefore almost surely below the oxygen-minimum layer. The fishes (and invertebrates definitely appeared to have come from above this layer, except for a few, especially the moderate numbers of *Cyclothone acclinoides*, which judging from collection MV 73-I-27, lives in this region actually within the oxygen-minimum zone. Only a few individuals of other species might be questioned as having come from below the layer, despite the long haul.

Operation: 2230 hrs. (IV:7) net starting down, to pay out 6000 m. @ 165 m/min. — 0057 6000 m. was out, start hauling — 0415 Start in @ ca 26 m/min. 0430 Speed increased from 26 m/min. to 35 m/min. 0637 net out of water.

Robert L. Wisner programmed operation

Carl H. Hubbs

25	<i>Scopelarchoides nicholsi</i>	4 (19-63)
	↳ Gift to Perú, IMARPE 1983	
8	<i>Nemoctes alveatus</i>	1 (68)
	<i>Bathytroctes macrognathus</i>	
25	<i>Scopelogadus tristis</i>	1 (127)
31	<i>Scopelogadus m. bispinosus</i>	10 (11-57)
25	<i>Diogenichthys laternatus</i>	30 (10-21)
25	<i>Lampanyctus parvicauda</i>	10 (14-69)
31	<i>Melamphaes spinifer</i>	3 (35-42)
25	<i>Diaphus pacificus</i>	73 (14-31)
9	<i>Bathylagoides nigrogenys</i>	6 (12-72)
10	<i>Idiacanthus</i> sp.	1 (41)
10	<i>Bathophilus filifer</i>	1 (27)
10	<i>Cyclothone acclinidens</i>	185 (25-47)
24	Ophichthidae (lepto.)	2 (121-127)
10	<i>Vinciguerrina lucetia</i>	80 (15-44)