

SI 073-233

State & Country: off Mexico Field No. MV 73-10
 County: Map: HO 622, 1966 ed.
 Locality: 15 naut. miles E of Isla Maria Magdalena (of Islas
 Tres Marias)
 Lat. 21 (24.0 → 26.7)° N, Long. 106° 06.5 → 06.3' W.
 Water: ocean 25.4' 06.4'
 Vegetation:
 Bottom: extremely flat & level; black mud (FeS presumably).
 Cover: plant debris, incl. Temp:
 Shore: branches Current:
 Dist. offshore: 15 naut. miles Stream width: overall 204-203 fm.
 Depth of capture: bottom attempted Depth of water: holding 204-204 fm.
 Collected by Carl L. Hubbs & party on SIO R/V Alexander Agassiz, on
 Tide: cruise CalCOFI 7303-6 Date: 14: 1: 1973
 Method of capture: 40-ft cotton otter trawl
 Orig. preserv.: 10% buffered form Time: overall 1345-1520 hrs. MST
 holding 1420-1450 hrs.

1500 m wire out. Net moderately torn (repaired).

Only live animals found: 1 *Trophoturus mexicanus*
 and several hermit crabs in snail shells, with
 worm-tubes (?) attached (just like those caught
 yesterday, and almost surely contamination
 in this haul (Luke says that hermit crabs
 hold out in damp places for a day or more),
 also 1 obviously bathypelagic squid
 (taken by Luke).

Commonest fish is parcid (*Protulopsis*?); also 1 gadid
 (*Micrinotus*?) likely from near bottom (?). A few
 bathypelagic bathylagids and myctophids.

After haul in and before point of departure, but
 at some depth and on same line, water
 samples taken for dissolved oxygen test;
 one ca. 2 ft. and one ca. 4 ft. above bottom
 (383 m.), but difficulties arose over testing due
 (fide Wisner) to imperfect valve in titrating gear.

The Hydro Cast was made by 1642 hrs at
 21° 27.0' N, 106° 06' W

Tests run by
 Charnion
 B. McMillan

Titration of remaining fixed sample was
 delayed several hours; one for the 2 was
 1.09 ml/l (possibly high because of
 possible addition of trace atmospheric O₂).

Carl L. Hubbs

25 *Diogenichthys laternatus* 2(22-25)

25 *Triphoturus mexicanus* 17~~4~~(23-48)

9 *Leuroglossus stilbicus* 35(38-59)