

SIO 73-247

State & Country: México Field No. MV 73-I-27
 County: off west coast Map: NO 21020, 1971
 Locality: off Bahía de Petacalco and Bahía de Isla Grande
 23 nautical-mile run
 Lat. $17^{\circ} 39.5' N$ Long. $102^{\circ} 07.5' W$
 Water: clear, blue To $17^{\circ} 31.7' N$ $101^{\circ} 45.2'$
 Vegetation: — 35.6 56.8

Bottom: mostly rather low-gradient
 Cover: — Temp.: 25.8-26.8 (thermograph)
 Shore: — Current: sea rough
 Dist. offshore: 10-20 naut. miles Stream width:
 Depth of capture: aimed for 750 m Depth of water: 0 - ca. 1100 fathoms
 Collected by: Carl L. Hubbs & party on SIO R/V Alexander
 Tide: Agassiz on cruise T303-G Date: IV: 5-6: 1973
 Method of capture: 10-ft. Isaacs-Kidd midwater trawl
 Orig. preserv.: 10% buffered formalin Time: at depth, 2100-0530
 overall, 2015-0615

* Standard meter net for cod-end.

Ca. 1 gallon each of invertebrates and fishes,
 each preserved in a plastic bag; the 2 put
 in a 5-gallon can.

Operation programmed and carried out by
 Robert L. Wisner, who has long wanted to
 get going a program of research on the
 eastern Pacific oxygen-minimum fauna. It
 seems obvious that very few of the fish came
 from above the oxygen.

Hauled throughout except for descent and ascent
 with 2,000 m. of wire out.

Depth throughout trawl ca. 700-900 fathoms,
 shallower only descent and ascent, with
 depths greater than 900 fathoms only from
 0030 to ca. 0230, when there was one drop
 to about 1100 fathoms, where trawling is obscure.
 GDR record kept

Carl L. Hubbs & Robert L. Wisner.

25 *Lampanyctus parvicauda* 2 (71-76)
 65 *Bertella* sp. (N. sp.?) 1 (~38)
 (over)

45	<i>Caulophryne jordani</i>	1 (20)
65	<i>Melanocetus eustalus</i>	1 (54)
45	<i>Melanocetus niger</i>	1(16) + 1(20)
31	<i>Scopelogadus m. bispinosus</i>	13 + 38(11-64)
31	<i>Melamphaes acanthomus</i>	4(75-84)
26	<i>Serrivomer sector</i>	2(369-484)
10	<i>Bathophilus filifer</i>	2(26.5-51)
10	<i>Idiacanthus antrostomus</i>	16 70 (43-184)
9	<i>Bathylagoides nigrigenys</i>	40 8 (19-59)
60	<i>Kali normani kerberti</i>	1(131)
26	<i>Ophichthidae (lepto.)</i>	7(80-115)
26	<i>Taenioconger sp.</i>	13(80-122)
26	<i>Ariosoma sp. (lepto + metam.)</i>	2(132-157)
10	<i>Cyclothone acclinidens</i>	3194(18-47)
10	<i>Vinciguerria lucetia</i>	59(13-28)
25	<i>Scopelogadus tristis</i>	1(38)
62	<i>Bregmaceros bathymaster</i>	2(16-38.5)
64	<i>Citharichthys gordae</i>	1(11)
25	<i>Diogenichthys laternatus</i>	2(11-15)
25	<i>Lampanyctus sp.</i>	2(20-20)
25	<i>Diaphus sp.</i>	1(20)
25	<i>Diaphus pacificus</i>	3(14-32)