

State or Country: Eastern North Pacific Ocean Field No. ET(B)-H-32
County: West of Costa Rica Map:
Locality: Eastern Pacific Ocean near hydro. station
ET-H-31
Lat. Sec trawl #5 N. Long. W.
Water: from 10° 52' N. 88° 02' W.
Vegetation: to 10° 59' N. 88° 05' W.

Bottom:
Cover:
Shore:
Dist. offshore:
Depth of capture: 0-246 fms.
Depth of water: 1515-1520 fms.
Collected by: H.W. Ebeling, John Mauss, John Kenworthy "Horizon"
Tide:
Date: 4 Nov. 1955
Method of capture: 10' Isaacs - Kiel midwater trawl
Orig. preserv.: 10% Formalin Time: 1955-2215 C.S.T.

Second in 4-trawl series - see previous page.
Sampled same depths as preceding hauls; netting
layer had moved upward, however, so was
fishing below P.S.L. for part of time.
Several Melamphaes; fewer than last haul.
Ctenophores, more euphausiids than last haul.
A.W. Ebeling S.M.

Removed 2 specimens of Melamphaes mizolepis Guter.
det. by H.W. Ebeling for clearing & staining. SL = 54 mm (largest)
SH/HL = 2.1; H/E = 8.5; D = 1.2; P 14, 14; SR = 16 (H) SR = 13 or 16
A.W. Ebeling 11 Jan '56

Over for spp. list

to FWS
IX: 11:56 8A Opisthonemalarvae ± 18 9. Bathylagus nigrigenys Parr 9Yg-Ad(21-73)10. Argyropelecus lychnus Garman 44Hg-Ad(18-38)10A Bathophilus filifer (Garman) 4Yg-Ad(28-73)PARATYPE 10 Ichthyococcus irregularis Rechnitzer & Böhlke (US)
Specimen badly damaged 2(+28) - ^{Hicks} _{mean} 27.0-37.0Sternoptyx obscura Garman 1(20)to FWS
IX: 11:56 returned 10 Vinciguerris lucetia (Garman) 64 ^Plarv-Ad(15-38)25. Diogenichthys laternatus Garman 4Hg-Ad(15-22)Lampanyctus idostigma Parr 5Hg-Ad(51-69)Lampanyctus 5(22-34)25A Lampanyctus Gilbert 23Yg-Ad(19-62)25B Lampanyctus parvicauda Parr 23 (21-62)Myctophum evermanni Gilbert 1Yg(16)To R. Horn
III: 5:58 Macropterygion
(Macropterygionidae)

1Yg(61)

25 Symbolophorus reversus26. leptocephalus larvae (see next page)to Perry
I: 11:56 26 Melamphaes acanthomus 2(47-66)Scopelogadus mizolepis31A Melamphaes bispinosus (Gilbert) 54Yg-Ad(17-60)MelamphaesM. macrocephalus Parr 144
246 (23-66) 1(40)

(Metatypes)

Melamphaes spinifer

4(23.5-30.9)

35. (Serranidae)?

2PL(13-16)

40. Sphyraena1 ^Plarv(21.3)

Cont. next page

42. (Bramidae) 2larv-Yg(9.5-18)

(Carangidae) 1PL(13)
Similar to larval Vomer.

(Carangidae)? 1PL(7.5)

60 A Callionymus atrilabiata Garman 1Yg(17)

61. (Brotulidae) 4PL(27-36)

64 A Bothus constellatus (Jordan) ~~and Cocco~~
4PL(23-25)FW 3 64
12:19:56 Cyclopsetta querna (Jordan and Bollman) ?
To be cleaned and stained 1PL(21.0) → 2(C+S)
21-57

A.W. Ebeling XI:25:57

26 Ariosoma sp (lepto.) 6(72-169)26 Ophichthidae (lepto.) 2(40-71)

Trawl #6

Coll. # ET(B)-H-32 (S10-55-232)

Date: 4 Nov 1955

By: A.W. Ebeling, J. Kenworthy

Trawl in water: 1955 CST. Position: Sta #15

Trawl aboard: 2215 CST. Position:

Wire out: 650 Time: 2015 C.S.T.

Time	$\angle$	$\cos \angle$	M wire	Depth T	Depth H ₀
2015	46°	.69	650 (down)	246 fms	1515 fms
2045	57°	.54	575	170 fms	1520 fms
2120	60°	.50	650	178 fms	"
2150			650 (up)		

Fewer hatchet fish - several
big-sealed Melamphaes