

State or Country: Pacific Ocean Field No: H52-109

County: Map: 1

Locality: Northern waters of the Galapagos Islands

Lat. 1° 1.5' - 0° 55' N, Long 91° 45.7' - 30.5' W

Water: Salt 00° 58.2' N 91° 38.0' W

Vegetation: # 14

Bottom: Trawl

Cover: Temp: 23.1

Shore: Current: 2 kts surface 105°

Dist. offshore: 18 naut. mi. to nearest island Stream width:

Depth of capture: 513 - 606 fms Depth of water: 1250 fms

Collected by Wisner, Warner, Waesta, Cunningham, Arthur

Tide: Date: 11-12-VIII-52

Method of capture: 10' Midwater Trawl + Manta Net Cod End

Orig. preserv.: Formalin Time: 18-16-0017

Positions of Trawl start lat. 1° 1.5' N, 91° 45.7' W
End: 0° 55.0' N, 91° 30.5' W

Wind @ 1910 - 37° @ 50 turns. Increased to 60.
 1920 - 47° increased to 70 turns
 1930 55° " " 80 "
 1940 65° @ 80 turns
 1950 67°
 2000 67°
 2030 68°
 2100 68°
 2130 69° Reduced speed to 80 turns
 2200 66°
 2230 65°
 2300 65°
 2316 Trawl started up - 40 turns

Trawl aboard 0017, 12-VIII-52

Excellent haul in both fish and invertebrates. Many Melamphids, Stomiids, one good Caulolepis and a good Srippe eel. Myctophids not as numerous as could be expected.
 Invertebrates and fishes separated. Sample placed in 2 2 1/2 gal. picktojars.

Notes - Wisner

- 31C *Melanomphæa spinifer* HOLOTYPE 1(71.5)
 31D *Melanomphæa laeviceps* PARATYPE 1(112.2)
 31E *Melanomphæa laeviceps* HOLOTYPE 1(124.6)
 10 *Cyclothone signata* 2(21-25)
 8A ~~Holtbyrnia ? sp.~~ 1:47mm ~~*Mentodus prostratus*~~
 8 *Holtbyrnia melanocephala* sp. 1(47)
 19 *Bathylagus* ~~sp.~~ *nigrigenys* 1:56mm 1(16.5)
 65 *Gigantactis* sp.
 10 *Argyropelecus affinis* Garman 2:52-57mm
 10 *Argyropelecus lychnus* Garman 2(28-34)mm + 2(13.2-28)
~~*Aristostomias* sp.~~ *barbatus* 174 1:196mm
 10A *Chauliodus macouni* Bean 1:75mm
 10 *Cyclothone acclinidens* Garman ~~102~~ (23-40)
~~*Cyclothone* sp.~~ 1:50mm
Malacosteus danac 3(130-178mm)
Maurollicus muelleri (Gmelin) 1:25mm 3(20-37) and
 10 *Powersia lucetia* (Garman) ~~2:37-39mm~~ dried, disc. 12 Aug 65
 10 *Sternoptyx obscura* Garman 7(21.8-43mm)
Stomias colubrinus 5:88-313mm
 10B ~~*Borostomias panamensis* *elucens*~~ 1(196)
 10 ~~*Sternoptyx diaphana*~~ --- 2(20.5-22.0)
 25 *Electrona* ~~sp.~~ *Triptoturus oculus*
 25 *Lampanyctus mexicanus* (Gilbert) 8(59-67mm)
 25 *Scopelogadus tristis* Alcock 1(70.5mm)
 31B *Scopelogadus m. mizolepis* X *m. bispinosus* 24(50-85)
 26 *Serrivomer sector* Garman 1(542mm)
~~*Anoplogaster cornuta* (Valenciennes) Ad(90)~~
 31 *Carlotropis longidens* Gill 1:90mm
~~*Melanomphæa* *disparis* (Gilbert) 3:50-85mm~~
~~*Melanomphæa cristiceps* Gilbert 3:39-57mm~~
~~*Melanomphæa lugubris* Gilbert 3:73.8-126mm~~
 31A *Poromitra erassiceps frontosus* 4(37.5-56.5)
 62 *Coryphaenoides liraticeps*? 1:68.3mm
 10 *Cyclothone obscura* 2(40-49) ~~1:71mm~~ draco
 65A *Chaerophryne parvicornis* ~~sp.~~ 1(52)
~~*Melanomphæa* *melanostriatus*~~
 10 *Maurollicus muelleri* 1(20) I: 7:1957
 65 2 *Gigantactis* sp (group II) 1(16.5)
 other specimens found:
~~Chlopsis bicolor~~
 26. *Leptocephalus* - 1 (93 mm.) (form.)
 61A ~~*Echiodon exsilium*~~ *Echiodon exsilium* Hellard & Hodgson.
~~*Echiodon* *jordani*~~
 10 *Leptocephalus* "vexillifer", 129 mm. (form.).
 Transferred gradually → 40% is otophyge
 little basis for identification except for locality and
 for different *vexillifer* ("Leptofieraster macrura")
 referred to *Caragrus dubius* (Pitman) by Arnold (1956).

Carl L. Hubbs (with sketch.
 Oton & Robert L. Wilson).