

State or Country: off central California Field No. S1067-117

County:

Locality: SW of Pt. Arena

Map: CS 5021, 4th ed., 1966

+ CS 5502, 7th ed., 1963

Lat. 38° ($20.5 \rightarrow 37.3$) N, Long. 124° ($04.5 \rightarrow 22.8$) W.

Water: *blue*

Vegetation:

Bottom: *very flat and even; presumably soft*

Cover:

Corrected surface Temp:

24.0 & (thermograph)

Shore:

Current:

Dist. offshore: *35-36*

~~35-36~~

naut. miles

Stream width:

Depth of capture: est. 0-1 m @ 4500 m

Depth of water:

1842-1907

fath. (G.D.R.)

Collected by S10 expedition on R/V Thomas Washington

Tide: C.L. Hubbs, R.L. Wisner, R.R. McConnaughey, et al. Date: VI. 16. 1967

Method of capture: 10-ft. non-closing Isaacs-Kidd midwater trawl; m-net cod-end

Orig. preserv.: 10% buffered form. Time: 0135-0659 (PST)

MV 67-II-24 Intended course 340° T

Speed 3 knots

Rather heavy weather

Robert L. Wisner in charge of operation

at 20 m/min

Plan: Pay out to 4500 m W/O and recover at same rate, except = m/min for ^{500m W/O} last 500 m W/O.

Winch held momentarily at 1000 m W/O while making reciprocal turn to 155° T at 0819-0822. then hauled in to ^{500m W/O} surface at rate of 20 m/min, then to surface at about 50 m/min. Net came aboard with baffle ruined, probably as result of too rapid turn (by Capt. Phinney).

A very large catch, euphausiids making up bulk. Material all saved, as follows:

FISHES: 1 3-gal. jar about $\frac{1}{2}$ full, miscellany.
1 16-oz. jar small specimens sorted
1 16-oz. jar *Sebastes* sp. for Chem. study

INVERTEBRATES: 1 5-gal. tub can, sorted out
1 1-gal. jar, cephalopods
1 8-oz. jar, strained plankton

MIXED RESIDUE, mostly euphausiids, but also some other invertebrates & some fishes
Gill L. Hubbs.

10	<i>Dolichopteryx</i> sp	1 (31)
25	<i>Diaphus theta</i>	576 (32-63)
25	<i>Hierops crockeri</i>	13 (15-35)
25	<i>Lampanyctus regalis</i>	18 (38-170)
25	<i>Lampanyctus ritteri</i>	30 (24-80)
25	<i>Parvilux ingens</i>	2 (87-166)
25	<i>Symbolophorus californiensis</i>	2 (62-80)
10	<i>Chauliodus macouxi</i>	17 (35.5-135)
10	<i>Tactostoma macropus</i>	4 (125.7-173)
10	<i>Sternoptyx diaphana</i>	3 (10.5-42.5)
8	<i>Holtbyrnia macrops latifrons</i>	1 (40)
53	<i>Sebastes jordani</i>	24 (53.5-69.5)
53	<i>Sebastes altivelis</i>	2 (41.6-42.7)
8	<i>Talismania bifurcata</i>	1 (40)
**25	<i>Stenobrachius leucopsarus</i>	583 (19-83)
**25	<i>Tarletonbeania crenularis</i>	10 (24-56)
31	<i>Melamphaes lugubris</i>	2 (24-82)
8	<i>Sagamichthys abei</i>	1 (18)
64	<i>Glyptocephalus zachirus</i> (larva)	1 (63)
31	<i>Poromitra frontosus</i>	13 (26-143)
31	<i>Scopelogadus mizolepis bispinosus</i>	3 (26-76)
9	<i>Leuroglossus stilbicus</i>	36 (22 92)
9	<i>Bathylagus ochotensis</i>	1 (45)
9	<i>Bathylagus wesethi</i>	10 (20.5-52)
9	<i>Bathylagus milleri</i>	2 (36-173)
9	<i>Bathylagus pacificus</i>	4 (53-121)
25	<i>Lestidiops ringens</i>	1 (108)

* discarded

Flag B

State or Country: off central California Field No. ~~51067~~

County: Map: CS 5502, ed. 7, 1963

Locality: SW of Cordell Bank, off Pt. Reyes

Lat. 38° 04.5' N., Long. 123° 48.2' W.

Water: flat, just outside steep slope; presumably soft

Vegetation:

Bottom:

Cover: Temp.:

Shore: Current:

Dist. offshore: 37.4 naut. miles Stream width:

Depth of capture: within 100 m. of bottom Depth of water: 1755 fath. (GDR)

Collected by C.L. Hubbs, R.L. Wisner, R.R. McConnaughey, et al.

Fide on SIO expedition on R/V T. Washington Date: VI: 16-17, 1967

Method of capture: 30 hooks, with squid, bottom to 100 m.; 1 hagfish trap

Orig. preserv.: Time: 1559 - hrs. (PST)

MV 67-II-25 Ronald R. McConnaughey in charge of operation. NOT RECOVERED

In this series (MV 67-II-25 G. 30) 1 hagfish trap indicates a 5-gal. lever can vented with bonito and equipped with wire funnel.

Carl L. Hubbs.

Flag E

State or Country: off central California Field No. ~~510~~
County: _____ Map: CS 5502, ed. 1963
Locality: SW of Cordell Banks, off Pt. Reyes
Lat. 37° 59.5' N., Long. 123° 32.0' W.

Water: _____

Vegetation: _____

Bottom: rather steep

Cover: _____

Temp.: _____

Shore: _____

Current: _____

Dist. offshore: 24.3 naut. miles Stream width: _____

Depth of capture: within 150 m of bottom Depth of water: ca. 620 fath. (G.D.R.)

Collected by C.L. Hubbs, R.L. Wisner, R.P. McConnaughey, & party

File: on S.I.B. Expedition on R/V T. Washington Date: VI:16-17:1967

Method of capture: 30 hooks, with squid, bottom ca. 100 m; 1 hogfish trap

Orig. preserv.: _____

Time: 1945 - 1552 (PST)

MV 67-II-27 Ronald R. McConnaughey in charge of operation.
NOT RECOVERED

Nothing caught in traps, purpleish
 54. *Enoplosopus fimbria*, caudal black
 all over.
 62 *Heterostichus* - Uroliths saved.
 4th hook from bottom - 1 ad.
~~*Coryphaenoides acrolepis* a giant!
 12th hook from bottom
 Iris dark green - hazey (not
 in *acrolepis*)
 Canine teeth in very weak ~~upper~~ D ray!
 Several color of body & fins pale
 dusky, violet - gray. The eyes are
 not dropped out!~~
Coryphaenoides acrolepis - 1 hook from
 bottom 5, 7, 9, 11, 13, 17 (lost cap), 19, 20

Entered by slip

Carl Hubbs.