

State or Country: off NW Baja California Field No. S1070-1
County: Map: H.O. 5184, rev. VI, 1969
Locality: Sixtymile Bank

Lat. $32^{\circ} 01.3' N$, Long. $118^{\circ} 12.0' W$.
Water: clear and blue at 1530 hrs (little change in position).
Vegetation: (at 17,2 hrs. $31^{\circ} 58.6' N$, $118^{\circ} 11.9' W$.
Bottom: apparently hard b/w corals 241' T to Sta. VI-2)
Cover: Temp.: Bottom $10.5^{\circ} C$ @ 1600*
Shore: Current: Surface $15.15^{\circ} C$ (X-PT)
Dist. offshore: 61 naut. miles from main land Stream width:
Depth of capture: bottom Depth of water: 70-170 fath. (GDR)*
Collected by C.L. Hubbs, R.L. Wisner, R.R. McConnaughey, & party
Date: XII: 15: 1969
Method of capture: Electric Reel 4-6 hooks; squid bait
Orig. preserv.: frozen (1 specimen) Time: 1534-1645* hrs PST.
* See also below

MV 69-VI-1

2 lines at each set-
station, 4 to 6 hooks each
(1 each at C & D)

A. 1534-42^{hrs.} 70-72 fath.

- 53 *Sebastes miniatus*, 5 ad., yellowish-brown color.
" *S. goodei*, 1 ad.
" *S. rufus*, 1 ad & 372 mm.

Station 2
miniatus
150 fath
over

B. 1547-1604 hrs., 70-78 fath.

- 53 *S. miniatus*, 4
" *S. constellatus*, 1 ad & 1 otolith saved

C. 1607-1615 hrs., 100-120 fath.

- 53 *S. miniatus*, 1 ad Part of gear lost

D. 1615-1636 hrs., 135-145 fath.

- 53 *S. paucispinnis*, 1 lg. ad.
" *S. macdonaldi*, 1 lg. ad, frozen (the only specimen saved).

E. 1630-1645, 145-170 fath. Seemingly soft bottom,
No catch

(over)

MV 69-VI-1 (cont.)

John M. Carney and Stephen G. Nelson
have taken brains from

53 Sebastes paucispinis (1)
" " goderi (1)
" " miniatus (3)
" " rufus (1)
" " constellatus (1)

David Jensen of Univ. of Colo.
School of Medicine took
heart beat of

53 S. paucispinis (1)
" " miniatus (1)
" " constellatus (1)

Raphael R. Payne, U.C. S. B.
collected parasites from

53 S. rufus (1)

Carney & Nelson agreed to keep skull parts
(after preparing brains) & otoliths could
be saved.

no specimens taken by Richard S. Lee

S. L. & L. C. Hubbs.

SIOTO-2 thru SIOTO-7

State or Country: off NW Baja California Field No. MV69-VI-2
 County: _____ Map: H.O. 5184 rev. V1, 1969
 Locality: S. of Sixty mile Bank, into No Name Basin from NW.

Lat. 31° (50.7' - 55.8') N., Long. 118° (08.0' - 22.2') W.
 Water: clear blue 53.3' (see below)
 Vegetation: 15.1' W

Bottom: uneven
 Cover: _____ Temp: (see record for MV 69-VI-1)
 Shore: _____ Current: mainly 12 knots
 Dist. offshore: 61 - 65 naut. mi. (see below)
 Depth of capture: bottom (except shell) Depth of water: 420 - 1000 F GPR
 Collected by C. L. Hubbs, R. L. Wisner, R. R. McConnaughey & party
 Tide: SIOR/V Melville Date: XII. 15. 69
 Method of capture: Free Vehicle Lines (6) with trap
 Orig. preserv.: see below Time: 1830 - 1030 hrs. PST
Squid bait on hooks, 30 per each line; bonito
bait in traps.
MV69-VI-2 Position at 1826 hrs. 31° 56.8' N.,
118° 22.2' W. Loran 241, 2657.

2A. Hrs 1830-0800 ; 420 fathoms; 65 n. mi. off.
 On line: ~~37~~ Position: Est. at 1826, 31° 56.8' N., 118° 22.2'
 54. Anoplopona fimbria: 1 ad, head only left
 on hook 13 from top, and one small
 adult on hook 24. 2 adults on hooks 25 and 27.
 Used by David Jensen for heart study.

62. Coryphaenoides acrolepis: ~~26~~ adults, some
 partly eaten by sharks. Caught on hooks from
 top 1, 12, 14, 23, 26, 28-30.

In trap (4 chambered).

4. Eptatretus deanii: large series, mostly black
 some tan-brown, some variously pie-bald.
 Used for blood study by D. Scott Linthicum.
 61 preserved; 3 discarded.

54. Anoplopona fimbria: 4 alive
 Used by Jensen for heart study.

2B. Hrs 1852-0730 - 673 fathoms, Position at 1853 hrs.
 On line: by Loran 241, 2655.31° 53.8' N., 118° 20.1' W.
 54. Anoplopona fimbria: 2 ad on hooks 11 and 17
 from top.
 Brains saved from Anoplopona and
Coryphaenoides. (can)

2B cont.

62 Coryphaenoides acrolepis: 21 adults on
hooks from top 1-6, 8-10, 13-15, 18, 19,
21-24, 26, 29, 30.

In 3 chambered trap.

4. Euphratesia deanti: 1 ad.

Bled by Linthicum. Used brain work
and discarded.
Also 1 large red crab preserved, and
one on outside of trap lost.

2C. Hours 1915-0845 765 faths { Position at 1915 hrs,
by Loran 24 12677
64 n. mi. off shore imm. ♂ 31° 54.8' N,
118° 17.5' W.
On line 5 Prionace glauca: 1 ~~top~~, discarded

8? Alepocephalus tenebrosus: 1 ~~suspected~~ ^{on top}
~~on top~~ most hook, suspected because
of slime on hook

54. Anoploporoma fimbria: 1 lg. ad.

62 Coryphaenoides acrolepis: 11 ad
well scattered on hooks from near top.

Trap - Plastic: empty.

2 D Hours 2002-0940 882 Fath. { Position at 2004 hrs,
by Loran 24 2710,
62 n. mi. off shore 31° 51.6' N,
118° 10.2' W.
On line

62. Coryphaenoides acrolepis: 9 discarded
including parts. Well spaced along line
except uppermost part that was tangled.

Plastic minnow bucket - empty.

2 E Hours 2021-1030 960 Fath. { position at 2021 hrs,
by Loran 24 1
61 mi. off shore 31° 50.9' N,
118° 08.3' W.
On line

5. Prionace glauca: 1 imm. ♂, prob. dragged

the set with only a plastic minnow trap
Heart saved by Jensen and brains
San Diego State students (Carney & Nelson) cont.

SIO70-2 thru SIO70-7
MV69-VI-2 cont.

2 E. cont.

62. Antimora sp. : 1 head, brain taken by
San Diego St. Students.

Coryphaenoides acrolepis : 16 mod. to

lg. ~~adults~~ adults incl. parts,
well distributed along line

3 individuals saved for lipid
studies by P.leger. Otoliths saved
with head measurements (12 spec.).

Plastic minnow trap - empty

2 F Hours 2046-1020 1000 Fathms
On line Position at 2046 by Loran 241 2720,
31° 50.7' N, 118° 08.0' W.

62. Coryphaenoides acrolepis : 10 adults
on, from top, 4, 6, 7, 14, 15, 17, 19, 22,
24-26; one small spec., from hook
No. 4 (form.).

Three-chambered trap empty.

Positions on recovery of FV sets A-F:			
Time	Estimated position	Loran 241 reading	
B 070630	" " "	2665	31° 55.3' N, 118° 20.1' W
A 0758	" " "	2684	31° 56.5' N, 118° 22.0' W
C 0847	" " "	2674	31° 54.4' N, 118° 18.1' W
D 0938	" " "	2706	31° 51.3' N, 118° 10.9' W
1009	" " "	2717	31° 50.3' N, 118° 08.8' W
E 1028	Position fixed with line	2717	31° 49.5' N, 118° 08.5' W

Richard S. Lee took 2 specimens of
Coryphaenoides acrolepis from MV69-VI-2
(substation not recorded) for Santa Barbara
Museum of Natural History. F.C. & S. Dabbs.