

State & Country: Baja California N., Mexico Field No. SIO 57-77
County: Map: HO 1658 June, 1957
Locality: Guadalupe Island, at West Anchorage
Lat. 28° 56.7' N, Long. 118° 18.4' W.
Water: clean, salt
Vegetation: none apparent

Bottom: none
Cover: none Temp.:
Shore: rocky Current:
Dist. offshore: ab. 1/4 mile Stream width:
Depth of capture: surface Depth of water: 4 fathoms
Collected by Carl L. Hubbs + party on SIO RV "Pauline T."
Tide: Date: IV:17:1957
Method of capture: dip net under high spot light
Orig. preserv.: 10% form. (buffer) Time: 1930-2100

V: 8:1957

Entry from field notes.

40 soon after light went on heraid worms - heteronereis stage arrived at surface in large numbers, increasing until at times they formed an almost solid layer at surface over the lighted area of about 20 feet diameter; rotating column as connected to surface stage with it deeper water. Very few fish appeared during the fishing period from 1930 to 2030. Only specimens of *Medialuna californiensis* and *Thalassoma* (and some) were 2 of *Thalassoma californiensis* and *Thalassoma* (1 large & full of eggs and 1 large). A few *Thalassoma* were working deep. Almost no other invertebrates were seen, except for an occasional nemertean, wriggling like a snake at surface, or a deeper and brighter red than the heteronereis worms. Samples of worms saved in 2-oz. jar, and of nemerteans in a 4-oz. jar.

51 About 2045-2100 large number of *Medialuna californiensis* appeared, and seemed to be effective in accelerating the decrease in abundance of the worms, which by 2100 had become scarce.

Carl L. Hubbs.