

State or Country: California Field No. H53-151
County: San Diego Map: 1
Locality: La Jolla, 1/4-1/2 mi. north of SIO pier

Lat. N., Long. W.
Water: Clear salt
Vegetation: None

Bottom: Sand
Cover: None Temp.: 19.6°C
Shore: Sandstone cliffs Current:
Dist. offshore: 400 yds. Stream width:
Depth of capture: Surf. to 40 feet Depth of water: 40 feet
Collected by A. Rechnitzer, C. Worrall, C. Limbaugh
Tide: Date 14:VII:1953
Method of capture: Dynamite and dipnets, Aqualung diving
Orig. preserv. 10% form. Time: 0430-0700 PST

8 Sardinops caerulea

Two 2 pound charges of dynamite (60% gel.) discharged on bottom beneath school of sardines. Only 15 fish (sardines) were recovered on the surface, while aqualung diving revealed great numbers on the bottom. This was also true of Pneumatophorus japonicus. It was estimated by C. Limbaugh and myself (ABR) that only about 1% or less came to the surface. The numbers of fish in the area of La Jolla bay seems to be fairly large. Sardines were observed all the way from the kelp beds to the SIO pier by C. Limbaugh on 13:VII:1953. Seven schools of sardines were observed at one time by C. Worrall today. Chromatograms were prepared in duplicate for 36 individuals.

35 Paralabrax clathratus 5 ad. Discarded.

Intestinal tracts of these individuals void.

43 Pneumatophorus japonicus diego About 100
Retained by C. Limbaugh for baiting fish traps.

46 Seriphus politus 9 ad. Discarded

47 Cymatogaster aggregata 6 ad. Discarded

* Damallionthys vasea 13 (114-128)

Embiotoca ~~sp.~~ jacksoni 9 (109-191)

Hypsurus caryi

47 Phanerodon atripes 5 ad. (138-160)

47 Phanerodon furcatus 17 (117-182)

48 Chromis punctipinnis 2 yg. Discarded

53 Sebastes serranoides 1 yg. Discarded

About half of the individuals of Damalichthys demonstrated a pronounced lavender tinge in the mucoid tissues that cover the snout. There was some tendency for this coloration to be present in the forward reaches of the lateral line. An abdominal incision revealed a great number of small snail shells and a profuse amount of purplish pigment present in the gut fluid contents. It is understood from information given by Cadet Hand that the organisms involved do liberate copious amounts of a purple "ink". The presents of this coloration is probably due to the eating habits of Damalichthys, over sandy bottoms.

| | |
|-------------------------------|--------------|
| 47 <i>Rhacochilus toxotes</i> | 1 (250) |
| 47 <i>Rhacochilus vacca</i> | 13 (124-208) |