

Locality: California: La Jolla - on reef at N end of Scripps Institution grounds.

Lat. ° 'N.; Long. ° 'W. (USC & GS chart, 19)

Water: moderately cloudy with plant fragments.

Vegetation: moderate growth on rocks, not smothered with sand.

Bottom: reef largely covered with sand. Temp.:

Shore: rocky + stony to cliff

Current: mod. waves

Distance from shore: to 200 ft.

Tide: mod. outgoing

Depth of capture:

Depth of water: to 10 ft.

Method of capture: observation; spear

Collected by: Carl L. Holt, Herb Mann, Eugene Clark Date: IX: 29: 1946

Orig. preserv.:

Time: PM

- ~~Minima~~ *Symura*
6. *Pteroplatea marmorata*: 3 speared by Mann; mistaken for "halibut"; one examined on beach. Fairly common. Often only eye region exposed - Mann describes burrowing habits.
40. *Asterinops affinis* presumably *littoralis*: numbers of "snell" reported at surface by Mann.
44. *Anisotremus davidsoni*: several fish, singly & in very small groups, striped with some dark cross blotches.
46. ?? ~~Sciaen~~ *Chilostoma* *patulum*: some fish thought to be black croakers reported seen by Mann.
47. *Envirotea* n. sp. - 1 ad. speared by Mann; typical of blackish brown, yellow tipped reef form.
- Hyperprosopon argenteum* - schools usual, mostly over sand patches.

47. Micrometrus minimus: fairly common 14(54-101)

48. Chronis punctipinnis:
yf. common, in usual schools;
several large curtain-like schools &
hl. gr. - ad. in midwater where
about 6-10 ft. deep.

49. Hypsoglossus rubicundus: sev. bright
young in cavity on inside of dyke.
Adults as usual. One speared
by Mann.

50. Oxygaster californica:
schools of yf., in usual formation.

51. Sirella nigricans: common on reef,
mostly where 2'-5' deep.

52. Chirocentrus australis ^{am} ~~au~~ ^{only}:
in very shallow pools.

64. Paralichthys californicus: 1 sm. ad.
1 R-eyed. [Entered Group 64 file]

1446-101 A Same data, except X: 12:1946 P.M.
low tide

Sail L. Hobbs and Eugenie Clark

40. Atherinops affinis littoralis: large
school, hl. gr., just outside dyke, about
1-3 ft. below surface. Blue stripe
conspicuous.

46. Enviostoma rubellum? : hl. gr. - ad.
rather common, 6-10 ft., near bottom.

Micrometrus minimus: fairly common, inside reef.

48. Chronis punctipinnis: yf. fairly common, generally
in small groups of 10-20 fish, mostly in shelter
of base of dyke.

H 46-101 A

X:12:1946
(con.)

- 1) Hypsypops rubicunda: yf. as usual, very large adults about rock bottom, esp. just outside dyke.
50. Oxyjulis californica: schools of yf.
51. Snella nigricans: common; large adult esp. common over rocks outside dyke.
- 61) Heterostichus rostratus: 1 yellow hl. gr. (a kelp waif?) about 1 ft. off algae on rocks, about 5 ft. deep.
64. Paralichthys californica: 1 hl. gr. stepped on in sand about 2 ft. deep; seen swimming out on bottom.