

State or Country: Baja Calif. Norte Field No. 510-222
 County: _____ Map: 510-SDM, N.H., 1961
 Locality: E. side Pta. Arena, Bahía de los Angeles
From tip of point to about 0.2 miles north
 Lat. 29° 57.7-57.9 N., Long. 113° 34.0-34.1 W.
 Water: mod. clear
 Vegetation: much loose algal and much ~~blue~~ ^{and other green} algae on cobbles
 Bottom: sand, with a strip of cobbles on middle 1/3 of inter tidal
 Cover: little Temp.: _____
 Shore: sand beach Current: very slight
 Dist. offshore: 100' Stream width: ca.
 Depth of capture: to 6m Depth of water: to 6m
 Collected by Carl H. & Laura C. Hubbs, Wayne J. Baldwin and Keith W. Radford
 Tide: incoming Date: 14.23.1962
 Method of capture: 60' bag seine (9 hauls)
 Orig. preserv.: 10% form. + borax Time: 0915-1200; 1 haul 1430

PST

2 - 1 qt. jar; 1 - 5 gal can.

Collections made from N → S.

Some algae saved in jar and in can.

Another haul attempted just around tip, where bottom shelves off abruptly, with algal growth on the steep slope (protected), not fished in 1st S-stirring mess; extricated with difficulty; no fish.

6 (4) * Dasyatis brevirostris

2 sm. ad., 1 noted as a ♂, both discarded. Hauls 8 + 9

8 (A) Sardinops sagax

large series, postlarvae and juveniles, tightly filling a one-gallon jar

5132 (A) Chaetodipterus zonatus

98 ad., all in haul 2; all discarded.

33 (A) Balistes polydactylus

48 adults (40 in haul 2, 1 in haul 3, 7 in haul 5).

34 (A) Sphaeroides annulatus

30 discarded

(1 in haul 1, 12 in 2, 2 in 3, 2 in 4, 1 in 5, 1(?) in 6, 5 in 7, 5 in 8; 4 saved from haul 2.

7 (72-200)

(B) S. kendalli (so identified by Wayne J. Baldwin):

1 ad. each in hauls 2 and 5

* Spines along midline of humeral region

over

- 34(C) Sphaeroides ^{2 types? sechurae?} ~~sechurae~~ 1(122) 1 ad., haul 2
34(D) Sphaeroides lispe ²⁽⁷⁶⁻¹⁰⁶⁾ saved haul 2; ~~208~~ 230
discard 1 from haul 1, 99 from 2, 38 from 3, 3 from
4, 2 from 5, 1 from 7; 79 from 8. PARATYPES

- 35(A) Paralabrax maculato-fasciatus
in haul 3, completely ripe. 2 ad., 8+♀, 2(237-282)

- 40(G) Mugil cephalus 1 ad., haul 3, discarded

- 40B Sphyræna ensis 1 hl. gr., haul 4.
→ Tucasana 1(305)

- 40 Atherinops affinis lg. ser. postlarval (10-55)
juvenile, mostly juvenile, saved a few from haul 2,
mod. nos. from haul 4 (very many seen), 1 from 5, seen
from 7; discarded a few from 8, some from 9

- 41 Eucinostomus ~~argenteus~~ dewii 11, from haul 5. 11(61-80)

- 44A Anisotremus lauridsoni 2 mat. small adults
♂ + ♀, haul 2. (212-217)

- 44B Anisotremus interruptus 3 large adults, haul 2;
2 saved (smallest + largest). 2(408-468) tank

- 44C Orthopristis incarnatus 5(217-222)
saved 1 from haul 2,
4 of 24 (from haul 4); discarded also 1 from 5;
14 from 6, 1 from 7, 8 from 8, 14 from 9.
Totals: 5 preserved, 58 discarded.

45. Calamus taurinus 305 ad. + 1 juvenile
all disc.
Haul 1(6); Haul 2(59); Haul 3(31); Haul 4(3);
Haul 5(84); Haul 6(27); Haul 7(89); Haul 9(6).

- 51A Hermosilla azurea 5 yg. - ad.,
haul 2. Largest a ripe ♀. (165-270)
1 in tank

- 59 Ilypnus luculentus 96(14.5-34.5)

- 59 Ilypnus gilberti and Ilypnus sp.
postlarval to mat. ads; gilberti much the
commoner. A random sample preserved (con.)

59 *Ilypnus gilberti* large series (14.5-30.5)

59- *Ilypnus* (cont.) Species not distinguished clearly in field. In hauls 1, and 4-9.

Species clearly distinguished in laboratory. The less abundant form reaches a larger size than *I. gilberti* and transforms at a larger size. It is distinguished by its more or less filamentous dorsal spine, slender form and many features of coloration, in part related to the more protracted development. There is a bare trace of the opercular spot, which in *gilberti* is overlain by shining blue, and the black spot on the C. base is smaller (except in the early stages). The banding on D_2 and C. is coarser. The main markings along the dorsal contour tend to be groups of melanophores rather than single giant color cells. The spots on the body of the adult are fewer, rounder, more discrete and more colorful; they vary from orange above to bright yellow below.

59 *Quietula duymasiae* 2 (33-42)

60. *Dactyloagnus mundus* 5, ad
 1st to Crown Prince of Japan 11 Apr 1974

from haul 6, in which seine dragged through softer sand. 6 (51.5-75)

61. *Malacoctenus gigas* 2 ad, haul 3.

61A *Hypsoblennius gentilis richardsoni*
 1 hl. gr. (haul 5); 1 ad (Haul 7), 2 (41-61)
 (over)

64.

Paralichthys aetnae

several (haul 1); 1 yg. (haul 6); 2 yg. (haul 7).

Pleuronichthys

1 yg (haul 7).

1 yg (haul 1).

Hypsopsetta guttulata

Haul 7 (1); Haul 8 (2).

yg.

Tally made out on sheet, by hauls (q.v.)

Earl L. Hubbs

List for SIO 62-222, by hauls -
made out in field.

