Sta. No. H46-319,

Locality: Baja Calif: Off E. side at S. Coronado Island.

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

Water:

Vegetation: Eelgrass & brown algae.

Bottom: Sand. Temp.:

Shore: Rocky, steep. Current:

Distance from shore: ¼-½ mile. Tide:

Depth of capture: bottom. Depth of water: 6f. approx.

Method of capture: dredge.

Collected by: Clark Hubbs, F. Taylor, H. Mann, J. Sutton "M.V. Orca". Date: Dec. 22. 1946.

Orig. preserv.: 10% form & borax. Time: 12:45 - 12:57.

all times Pacific Daylight saving.
Fathometer not operating, depths estimated in all 3 hauls (H46,-319, 320 & 321) by Herb Mann from type of bottom & approx. position of vessel.

Parts: Herb Mann
Clark Hubbs.
F. Taylor.
R. Esquerra.
R. Sampson (LTechnician).
G. Tucker
J. Sutton.
crew.

Weather - moderately calm, rain squalls, current setting to the north.

Species.

50.	Oxyjulis californica	1 yg. 1(33) (95-204)
57.	Syngnathus euchrous	16 hl. gr. - ad } over
	Syngnathus californiensis	: 3 (2 hl. gr. + 1 ad.) }
61.	Hibbonsia elegans	37 yg & ads
61	Heterostichus rostratus	1 yg. (65)
64	Citharichthys stigmaeus	1 ad (91)

Fish Data Sheet–2c–11,'48 (B1706s)97

—over—

Color notes XII:23:1948
E.L.W.

Syngnathus euchrous : 16 hl.gr.—ad.

Paratypes

Predominantly greenish, grading toward yellow, tan & olive; smallest & 1 medium specimen deep purple-brown, with blueish speckling. Opercles on lower half of head brassy to silvery, moderately sharply set off from dark top of head; with dark markings varying from very fine specklas to rather coarse reticulations & streaks; occasionally largely longitudinal. Top of head usually speckled with light. Dark streak on snout extending from lower part of eye to chin, commonly distupted or even obsolete; commonly 2 streaks behind eye, varying from narrow to rather broad and from black to faint or obsolete; upper one may be continuous with streak on supero-lateral angle of trunk, which may be double or chainlike. Lower side of snout commonly mottled. Middle line of belly plain or with dotted, dashed or solid line, narrow to broad, blackish to obsolete. Commonly several crossbars on dorsal face of trunk, more or less broken up into speckling or reticulation; on tail may appear as ~~of tail~~ paired spots, rarely ocellated. Sides marked with light speckling, reticulations, or streeks; occasionally with dark-centered rhombs on tail. On some ventrolateral keel bears a light ellipse on each ring. In general, strongly marked. Very variable. Some with a dark speck on each ring on ventrolateral keel.

Syngnathus californiensis : 2 hl.gr. + 1 ad.

Hl.gr. — 1 greenish, 1 purplish.
Ad. pale olive, with dark-edged light ellipses on lower lateral keel of trunk & prominent specklas on ventrolateral keel. Head bicolored, with very scant dark marking on brassy lower part.