

State & Country: Queensland, Australia Field No. SI066-525
County: Map: H.O. Chart 3461, 1964
Locality: off S. half of W. shore of Stanley Id. (Flinders Group),
on Coral Sea side of Cape York Peninsula, inside Great Barrier
Reef Lat. 14° 09.3' S, Long. 144° 12.2' E
Water: moderately clear, salt
Vegetation: little (trace of algae)

Bottom: even; sand, mud, shell
Cover: little Temp.:
Shore: coral sand and rock Current: ~~light~~ moderate tidal
Dist. offshore: 0.7 - 1.5 naut. miles Stream width:
Depth of capture: bottom Depth of water: 8-10 fath. (chart)
Collected by Carl L. Hubbs & James J. Childress, with Ronald
McConaughy & the crew of "Alpha Helix" Date: 14:26:1966
Method of capture: 16-foot otter trawl with fine-meshed lining and
Orig. preserv.: 10% unbuffered form Time: ca. 1200 - 1600 hrs.
(smaller fish; frozen larger fish) JAN 12 1967
Off Princess Charlotte Bay (from fixed vessel)
hauled from launch ("Waltzing Matilda") from
"Alpha Helix"
Net kept twisting badly

Color notes in field (identifications as of Jan. 1967):

40. Upeneus : 1 ad. : A bright-yellow
stripe above middle of sides from head to C;
indefinite trace of another on lower sides
Lower surface lemon-yellow, deepest on head.
Barbels light-brown. Iris brilliant-ruby.
Deep-red blotches on side of head
posteriorly. Spinous D and lower C lobe
pink. ~~Anterior~~ Anterior part of P₁ and P₂
dirty pinkish, yellow behind.
56. Onigocia (?) Platycephalidae (1 tiny platycephalid):
Scales dark; deep-brown markings on a
light base. Dirty-black spots and bars on P.
14 (104-155)
- 56 Inegocia sp.
57. Hippocampus planifrons Peters. bright golden-yellow,
with some blue-black spots around eye and
along midventral line. 1 ad. 4 with ov.
protruding.
- Gift to
Cal. Acad.
Sci.
→ volans 61 (89-112) 1 Given To Cornell
- 57 Pegasus volans Linnaeus - many adults; dark
spots golden-orange. 3 given to U. of Alberta
(Cont. over)

60 Calliurichthys belcheri
over Callionymus

1(100)

60. Calliurichthys nasutus (McCulloch) - 1(150)

1 ad. ♂: fine reddish-brown reticulations around bluish centers; 2 or 3 blue-black spots on middle of sides with pearly freckles.

64. Aseragodes melanostictus Peters - Adults: large spots brown, with some yellow surrounding and mixed in. Speckling blackish-brown. 3(83-109)

45 Nemipterus ~~zurii~~ peroni

1(117)

all L. Hubbs.

Held alive by Childress in "Alpha Helix" for metabolism studies, with agreement to preserve these for SIO:

53. Sebastapistes sp. (?) - 6

Enimicus barbatus - 1

Hypodytes carinatus - several 3(85-88.5)

Dactylopus dactylopus - 2

34 Paramonacanthus choirocephalus 1(77)

~~Paramonacanthus~~

1(77.5) S. L. H.

56 Elates Farsonnetii ← 1 Gift to Cornell

83(100-155)

57 Fistularia petimba

1(275)

25 Saurida tumbil

3(262-300)

60 Dactylopus dactylopus

2(92)

45 Scolopsis cancellatus taenioporus

4(87-140)

56 Lepidotrigla calodactyla

1(102)

64 Grammatobothus polyophthalmus

2(73-77)

64 zebra ~~zebra~~ quagga

1(85)

64 Arnoglossus ^{n. sp.} alpha helix (MS)

1(91.5) Holotype + 1(45)

64 Arnoglossus alpha helix (MS)

5(56-105.5) Paratypes

41 Pentaprion longimanus

2(82-83)