New Anthozoa from BIGHT 2003 and other interesting Cnidarians

By
John C Ljubenkov
Dancing Coyote Ranch
March, 2005
SCAMIT Presentation

Bight03 4657 83m trawl off Santa Cruz Island. Photo Don Cadien

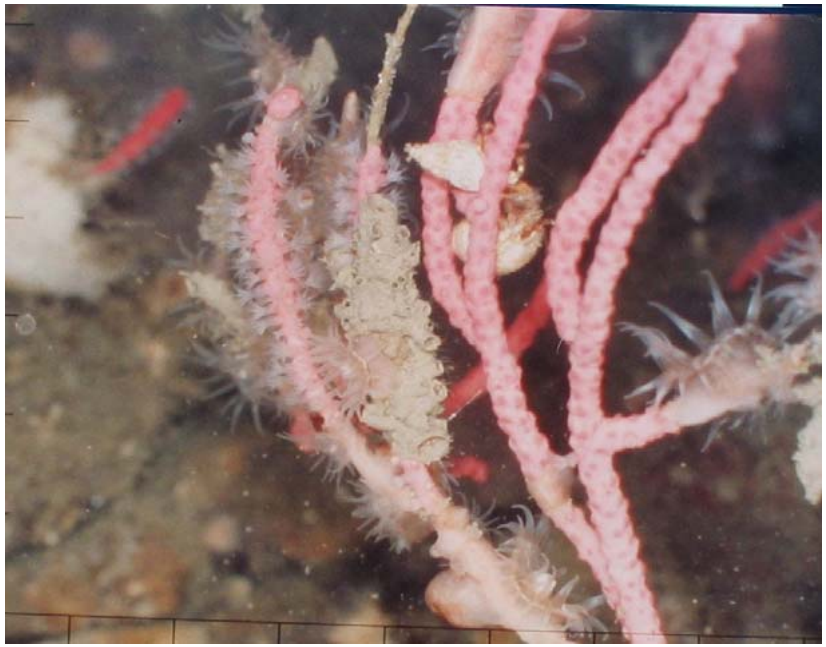
Probably *S. vinosa*, from offshore benthic reconnaissance work but locality and depth uncertain.

Stomphia vinosa (McMurrich, 1893)

First described from *Albatross* material and collected from its only Southern California trawl station off San Clemente Island.

upper left, preserved

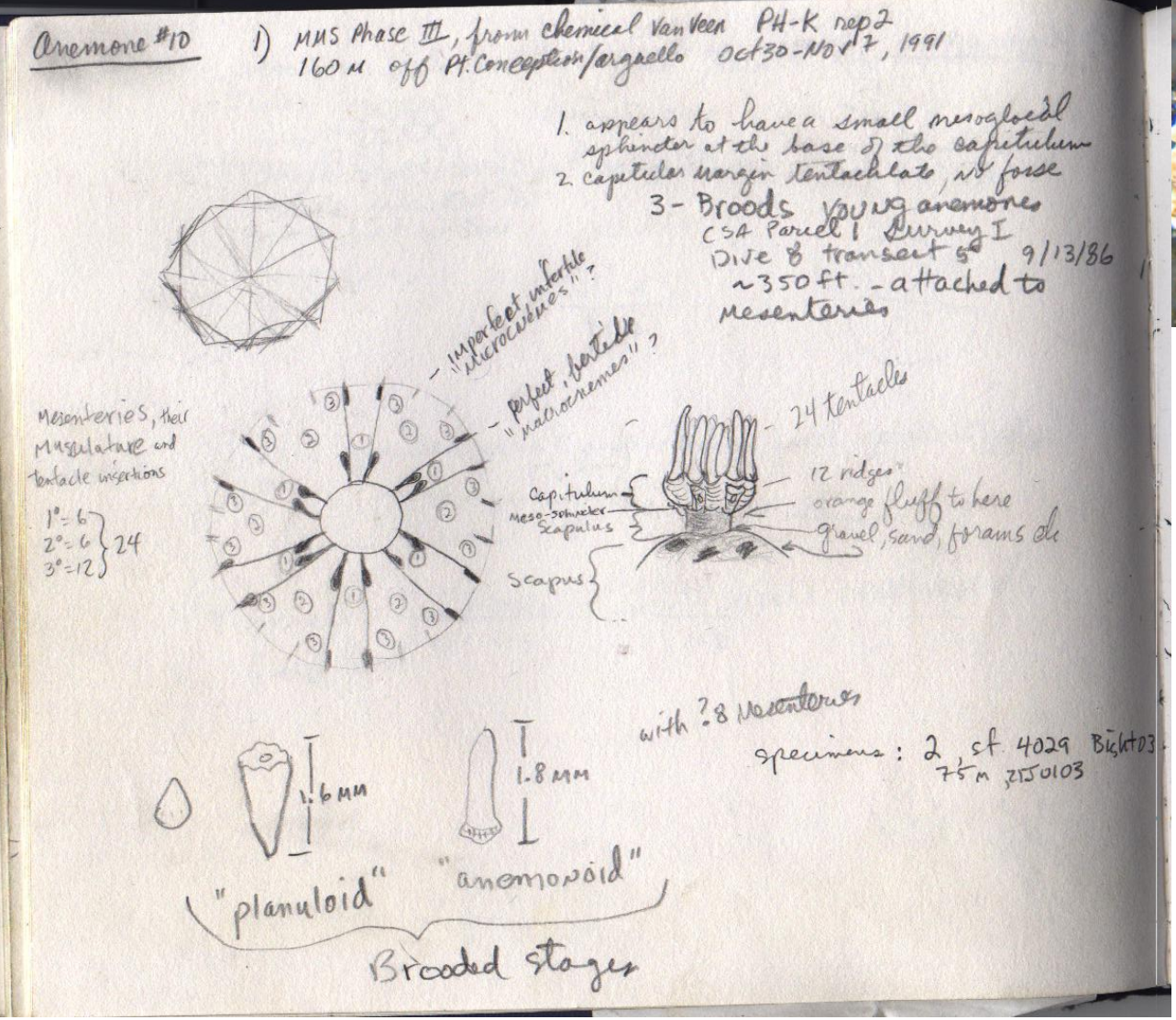
On Gorgonian with hermit crabs and amphipod tubes. Short Bank, Santa Monica Bay.



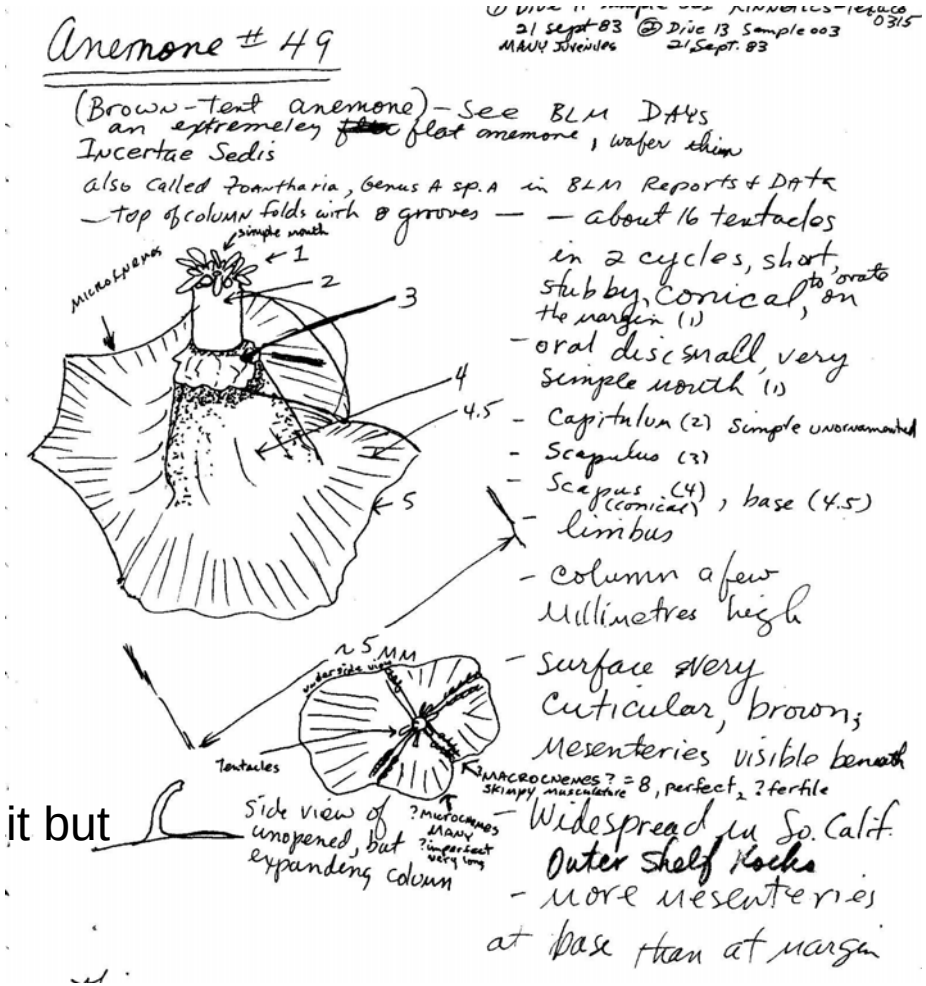
Very commonly found on plastic snack-food containers at the bottom of the slope San Pedro Basin. It has a decided preference for Cheese crackers with peanut butter filling.

On *Boreotrophon bentleyi* [probably *Leuckartiara octona* (Fleming, 1823) on operculum].

Stephanauge annularis Carlgren 1937



Actiniaria sp 10



Bight03, 4029, 75m, 21jul03

Found on rocks, an extremely flat anemone, with hardly anything to it but a few macrocnemes and several microcnemes at the limbus.

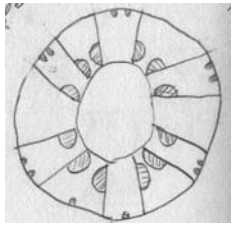
Actiniaria sp 49

Pentactinia californica Carlgren, 1900

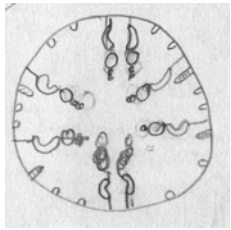
Bight03 4417, 46m, 22jul03

Adults average about 3 cm in length

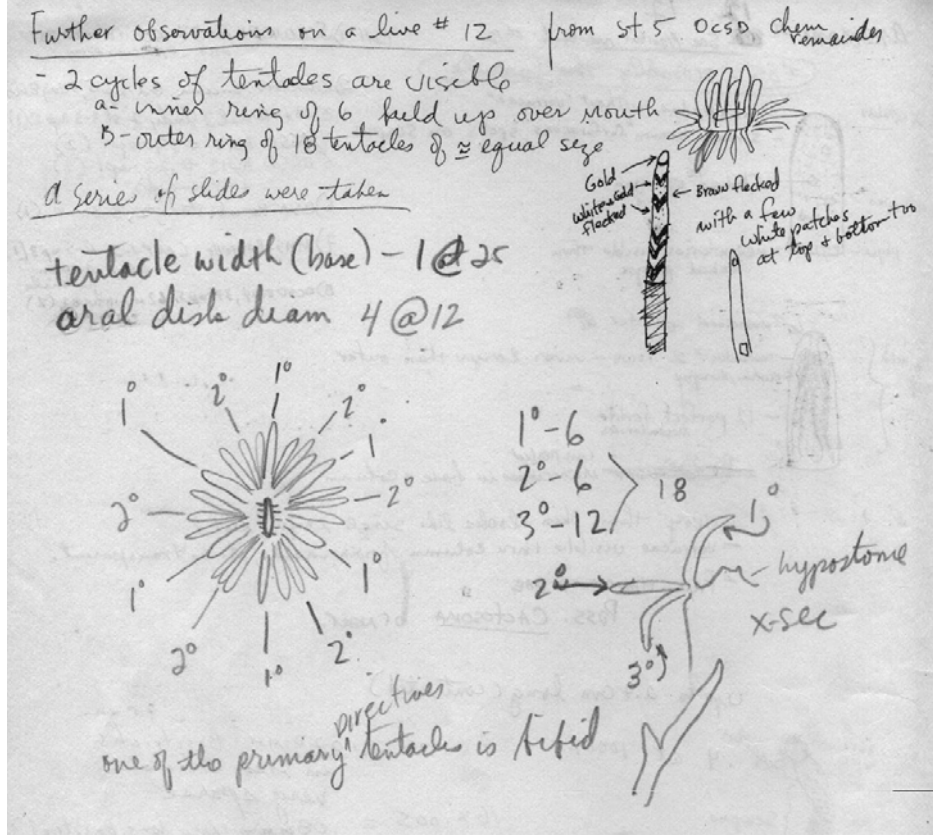
A very common anemone on the insular shelves and anywhere coarse sands and gravels predominate.



Adult specimen
12 macronemes



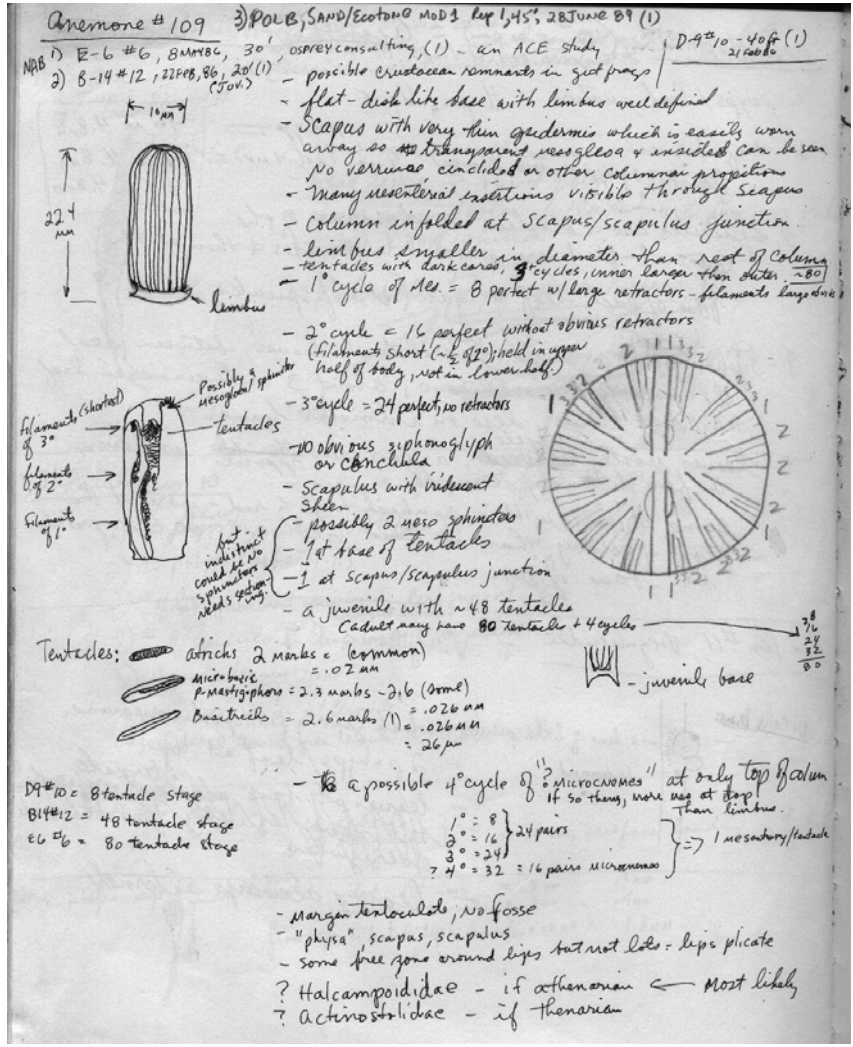
Young specimen
8 macronemes



Bight03 4453
21Aug03 52m

OCSD 37/5
10jul87 62m

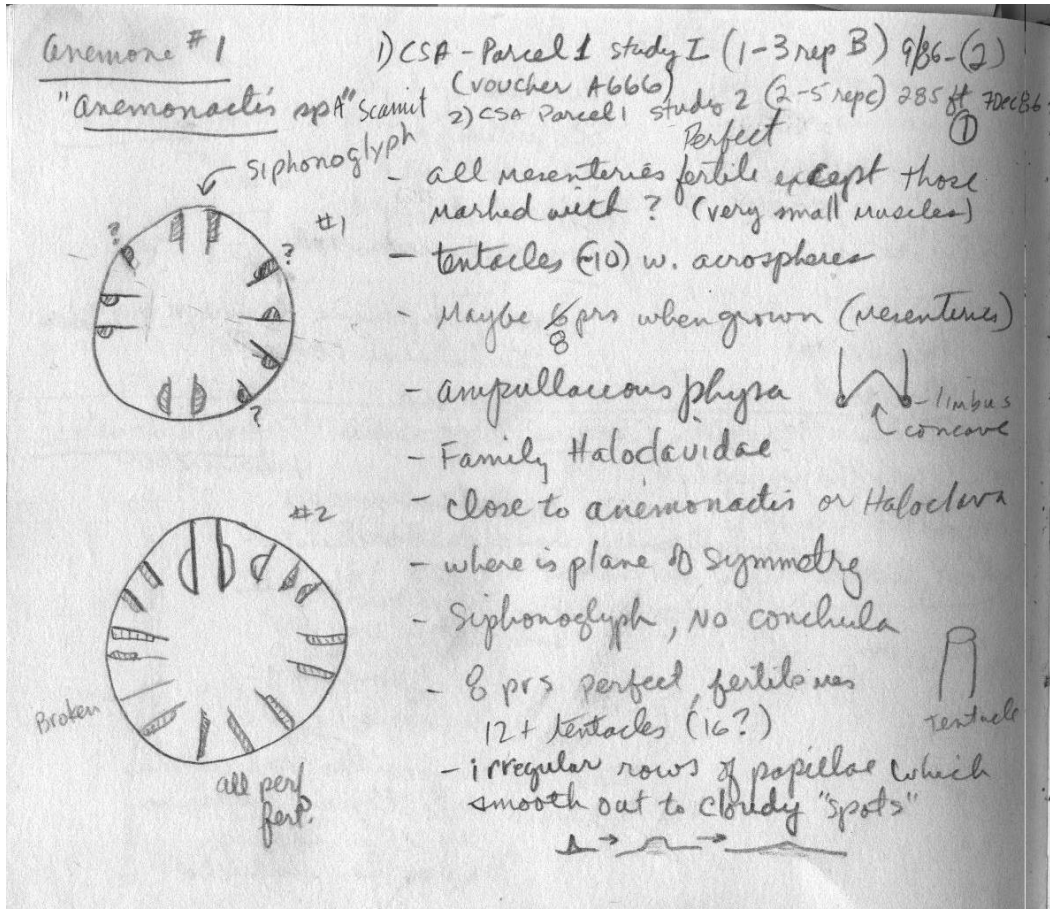
Halianthella sp A



POLB
M1/128Jun89
45 feet

Bight03 4290 19Aug03 23m,
4 cm overall twisted length

Halianthella sp B
(Actiniaria sp 109)



Bight03 4417, 46m, 22jul03

Anemonactis sp A

WEMAP 03, 03-0019/1 Morro Bay
(Depth ?)

This edwardsiid (1 to 1.5 cm long) from Morro Bay has the highest densities of any infaunal anemone (up to 13,000+/m^2). Note the variability of the aboral end within single largest lot of specimens.

Edwardsia sp? Or Scolanthus sp?

From Stephenson, 1928 plate 11 *Gonactinia prolifera* at ends
Bight03

4259, 10.5 m
4189, 18.5 m
4069, 15.5 m

Gonactinia prolifera (Sars, 1835) -- potentially

Polyps 2-5 per leaf similar to V. agassizii but with dark polyp cores similar to V. californica. However this species is also very dark on the leaf-bearing part of the rachis, light basally. Largest specimen about 4 cm.

Virgularia sp B

Bight03 4417
46m, 22jul03

Virgularia sp

Bight03 4005
830m, 21jul03

2 polyps per leaf, leaves arranged in sub-opposite pairs. Specimen 2 cm. Arrows indicate bases of a pair of leaves.

Pennatulacea sp A

Bight03 4249, 630m 21jul03 , length about 2 cm

While this is clearly a juvenile sea pen it is at the stage where there is a good indication of how the adult might look. There are many needle-like spicules throughout the flesh, with one polyp per leaf. It does not appear to be an obvious juvenile of an already noted species on the SCAMIT list. It is not clear what Family it is in.

Zoanthidea sp A

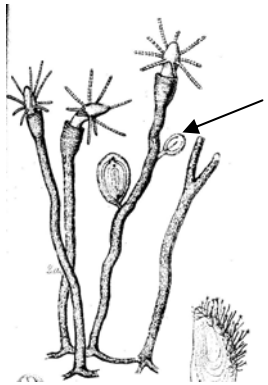
Bight03 4446,
100m, 19Aug03

Base flattened with limbus

Zoanthidea sp B

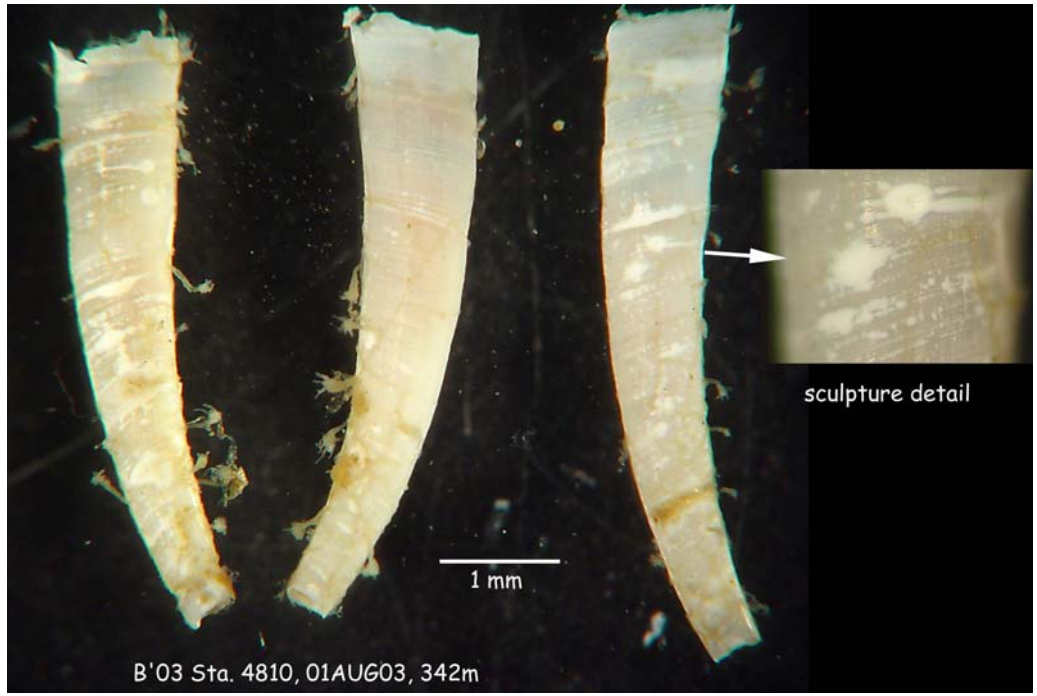
Bight03 4195
71.2m, 21Aug03

Base rounded, no limbus



Reproductive structures on hydranth pedicel

Leuckartiara octona
(Fleming, 1823)



Bougainvilliidae possibly *Rhizorhagium* on *Compressidens stearnsii*
(Picture by Kelvin Barwick)

Reproductive structures on hydrorhiza

Fig. 59.—*Perigonimus "serpens,"* after Allman, in Ray Society, 1871–72.

Rhizorhagium formosum
(Fewkes, 1889))

Hydroids living on Mollusca