Southern California Association of Marine Invertebrate Taxonomists

3720 Stephen White Drive
San Pedro, California 90731

November, 1993 Vol. 12, No. 7

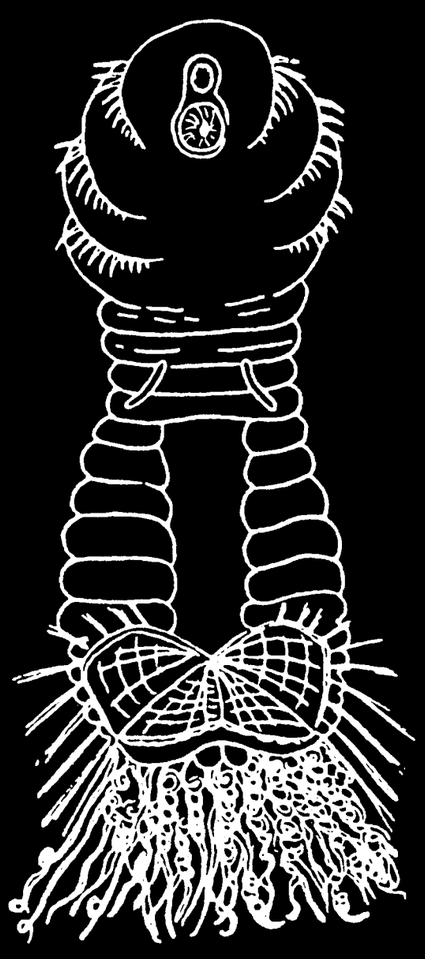
NEXT MEETING: Weird and Strange Polychaetes

GUEST SPEAKER: None

DATE: December 13, 1993

TIME: 9:30am-3:00pm

LOCATION: Polychaete Lab, Los Angeles County Museum of Natural History, Los Angeles, CA



Sternaspis fossor Stimpson, 1854: Figure from Hartman 1969 Atlas of the Sedentariate Polychaetous Annelids

DECEMBER 13

The meeting in December will be a show and tell with polychaete specimens that are weird, strange or rare from the recently generated species list. So please bring your animals. It will be held at Dr. Kirk Fitzhugh's polychaete lab at the Los Angeles Natural History Museum, Los Angeles, CA.

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MINUTES FROM MEETING ON NOVEMBER 15

Ron Velarde announced that the Master Species List has been given to Southern California Coastal Water Research Project (SCCWRP).

Nominations are now open for SCAMIT officers for the 1994-95 year. They will be entertained from now, up to and including the January meeting. We greatly need officers, (some of the current officers will not be running for re-election), so please consider offering your services for the upcoming year. Send your nominations to the Vice President, Larry Lovell at:

1036 Buena Vista
Vista, CA 92083

Ballots will be mailed out with the January newsletter and will be due by the March meeting.

Don't forget the SCAMIT Christmas party scheduled for Saturday evening, December 11th from 7:00 to 10:00 pm at the Cabrillo Marine Aquarium. Larry will be bringing a turkey for sandwiches and he will supply the bread and condiments. We need people to bring side dishes, salads and desserts. The Aquarium will be open for SCAMIT members and families. We will be setting up tables and chairs at 6 pm. Please come and help if you can.

Don Cadien (Los Angeles County Sanitation Districts) informed attending members that Dr. John Garth passed away. A copy of the service will be included in a later newsletter.

Mary Wicksten (Department of Biology, Texas A&M University, College Station, TX 77843) is checking records of various crabs from California. Does anyone have any recent (that is, since 1945) records of the pelagic grapsoid crabs *Planes cyaneus* and *Pachygrapsus marinus* from California? Both have been reported as cast ashore with floating debris and *Lepas*, the former often associates with sea turtles. Also: has anyone sighted *Uca crenulata* north of Playa del Rey or *Malacoplax californiensis* north of Mugu Lagoon? Reports of these or other "odd" decapods are appreciated.

Treasurer, Ann Dalkey, is working on a new SCAMIT brochure. If you received a draft version from Ann, your comments and also comments of other members should be directed to her by the end of December. Ann's phone number is listed at the end of this newsletter.

SCAMIT is proud to announce the arrival of a new SCAMITer. David and Audrey Vilas had a bouncing baby boy, Henry Kunio, (6 lbs, 11 oz) born on the evening of October 31st.

John Ljubenkov chaired the workshop on Corymorphine Hydroids of southern California. The main character used to identify hydroids is the distribution of 3 different kinds of tentacles: moniliform (beaded), capitate (variety of moniliform with bulb on end) and filiform (simple and straight). Included in this newsletter is a two-way table along with a handout created by John. The hydroids found in California are *Hypolytus, Euphysa, Corymorpha, Tubularia, Myriothela, Cladonema* and Corynidae. The Hypothetical column at the end of the two-way table is depicted in the middle of the drawings of the Evolutionary Trends in Capitate Hydroids and Medusae. John spent the remainder of the morning discussing other cnidarians from the master species list. The afternoon was spent examining specimens of those taxa discussed in the morning.

FUTURE MEETINGS

The meeting on January 10 will be on Sea Pens, Part3. Dr. Gary C. Williams, California Academy of Sciences, San Francisco, CA will be leading the workshop It will be held at MEC in their newly expanded and remodeled offices in Carlsbad, CA.

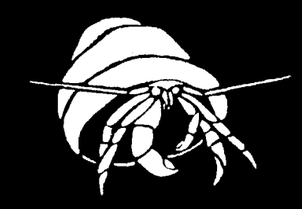
The February 21 meeting will be a workshop on the Polydora complex (*Boccardia, Pseudopolydora, Carazziella, Polydora* etc.). Larry Lovell will be leading the meeting. Please start collecting specimens and get them to Larry as soon as possible (at the December meeting would be nice). His address is at the beginning of the newsletter. The location of the meeting is still to be arranged.

The meeting on March 14 will be in Santa Barbara, CA. It will be lead by Paul Scott and Dr. Eric Hochberg of the Santa Barbara Natural History Museum. The topic(s) have yet to be determined.

The April 11 meeting will be on Polynoidae. The workshop will be lead by Gene Ruff. This will be held at the City of San Diego's Marine Biology Lab in Point Loma.

SCAMIT OFFICERS:
If you need any other information concerning SCAMIT please feel free to contact any of the officers.

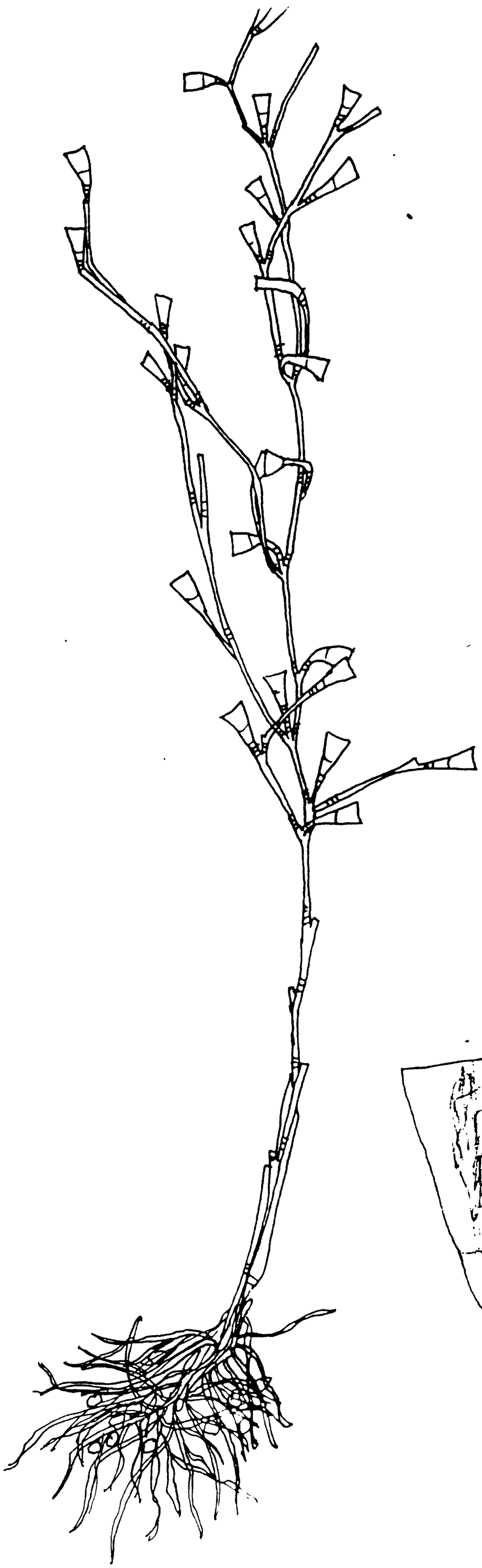
President	Ron Velarde	(619)692-4903
Vice-President	Larry Lovell	(619)945-1608
Secretary	Diane O'Donohue	(619)692-4901
Treasurer	Ann Dalkey	(310)648-5611

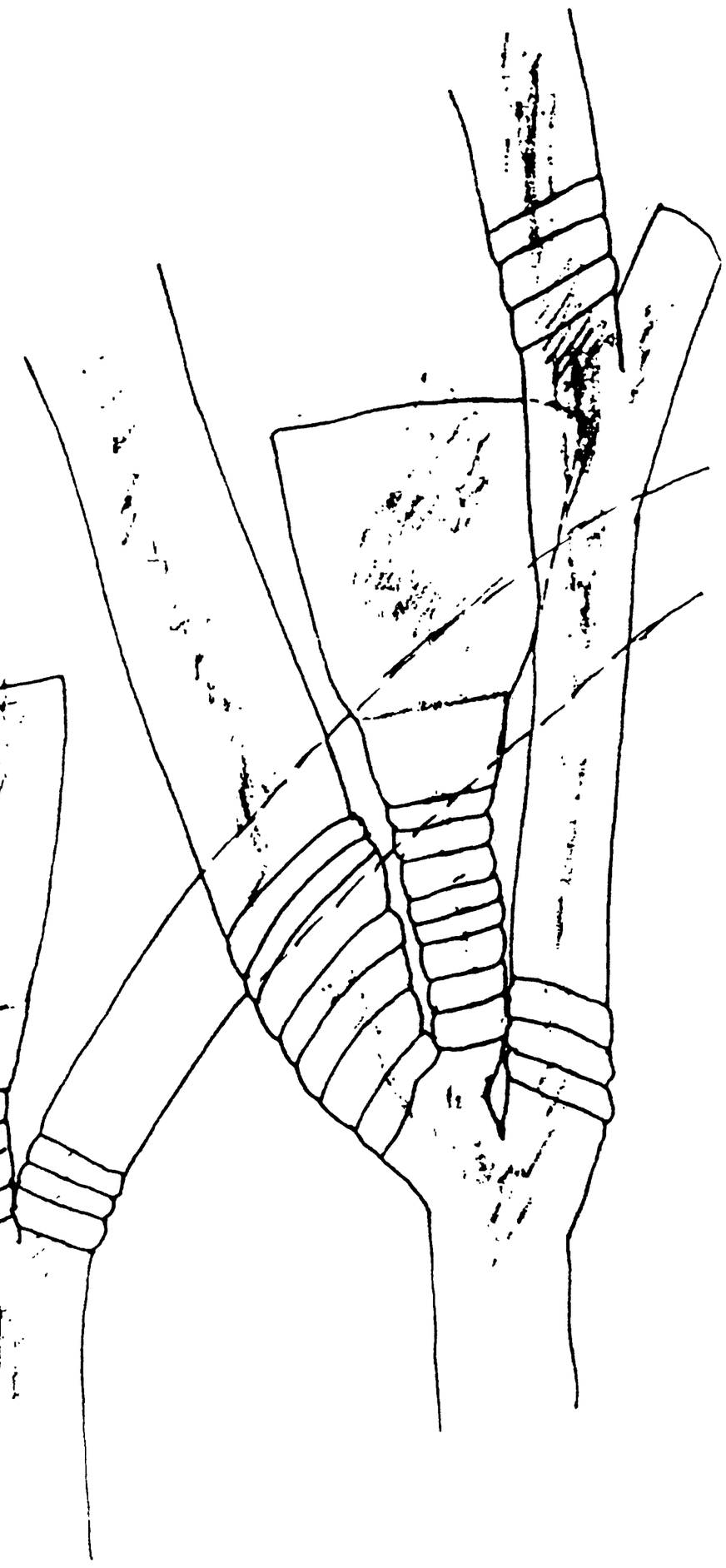


	Hypolytus	*Euphysa*	*Boreohydra*	*Actinulida*	*Corymorpha*	*Tubularia*	*Asyncoryne*	*Tricyclusa*
oral capitate		X	X				X	X
oral moniliform	X							
oral filiform				X	X	X		
aboral moniliform	X	X					X	X
aboral filiform				X	X	X		
solitary	X	X	X	X	X			X
colonial						X	X	
thin perisarc	X	X	X		X			
thick perisarc						X	X	

	Acaulis	*Myriothela*	*Cladonema*	*Halocordyle*	*Corynidae*	*Hypothetical*
oral capitate	X	X	X (4)	X (MANY)	X	X
oral moniliform						
oral filiform						
aboral moniliform						
aboral filiform	X	X (MOD.)	X (4)	X (MANY)		X
solitary	X	X				X
colonial			X	X	X	
thin perisarc	X					X
thick perisarc		X	X	X	X	

Obelia sp. A





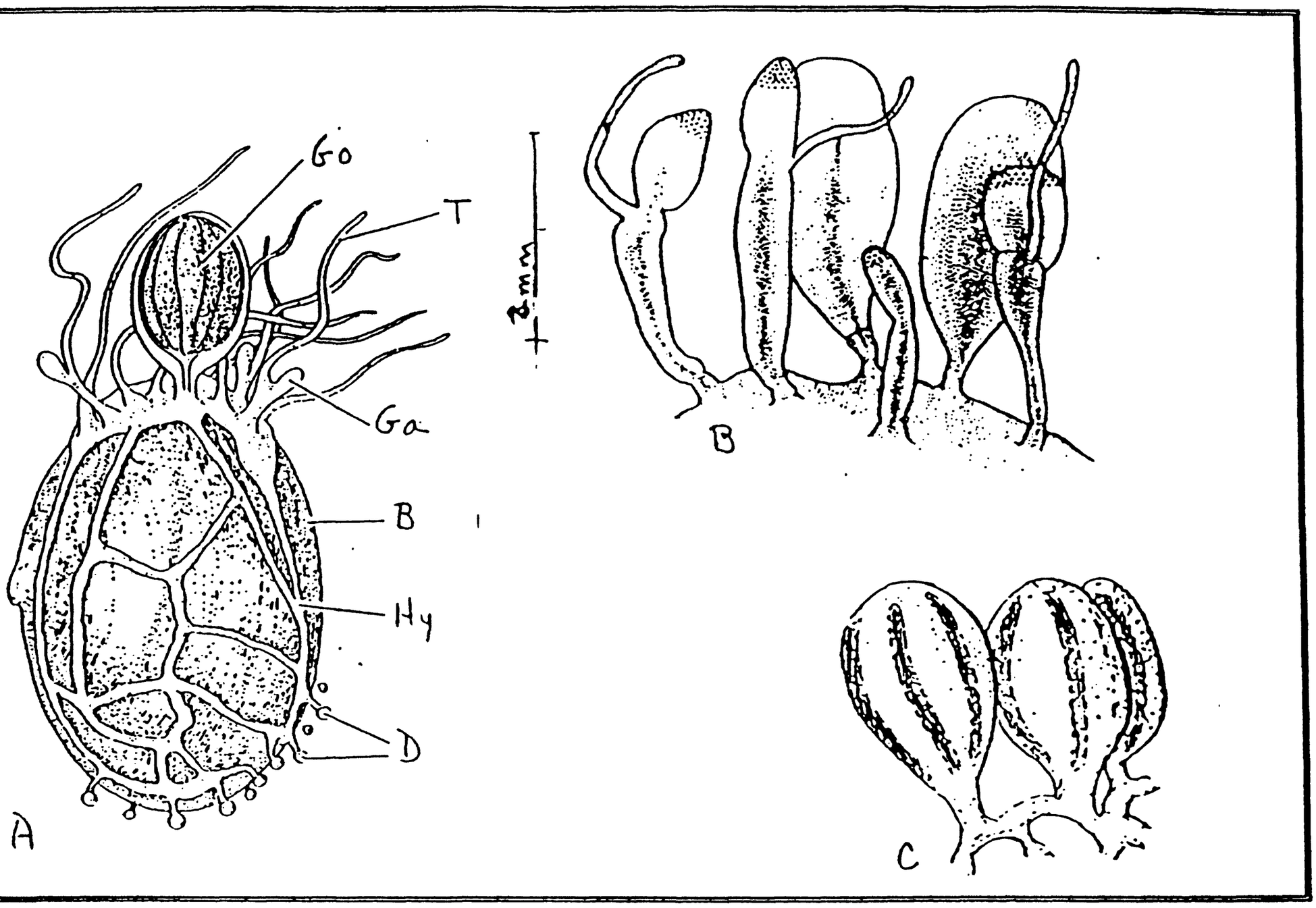


Figure 3.26. *Monobrachium parasitum*: A, colony on shell of bivalve mollusk, *Axinopsida serricata*, note presence of dactylozooids at the margin of the shell; B, enlarged section of colony showing cluster of feeding and reproductive zooids; C, gonozoid (Figure A from Hand, 1957; B, from Naumov, 1960; C, redrawn from Fraser, 1937). Scale in mm. **Abbreviations:** B, bivalve shell; D, dactylozooids; Ga, gastrozooid; Go, gonozooid; H, hydrorhiza; T, tentacle.

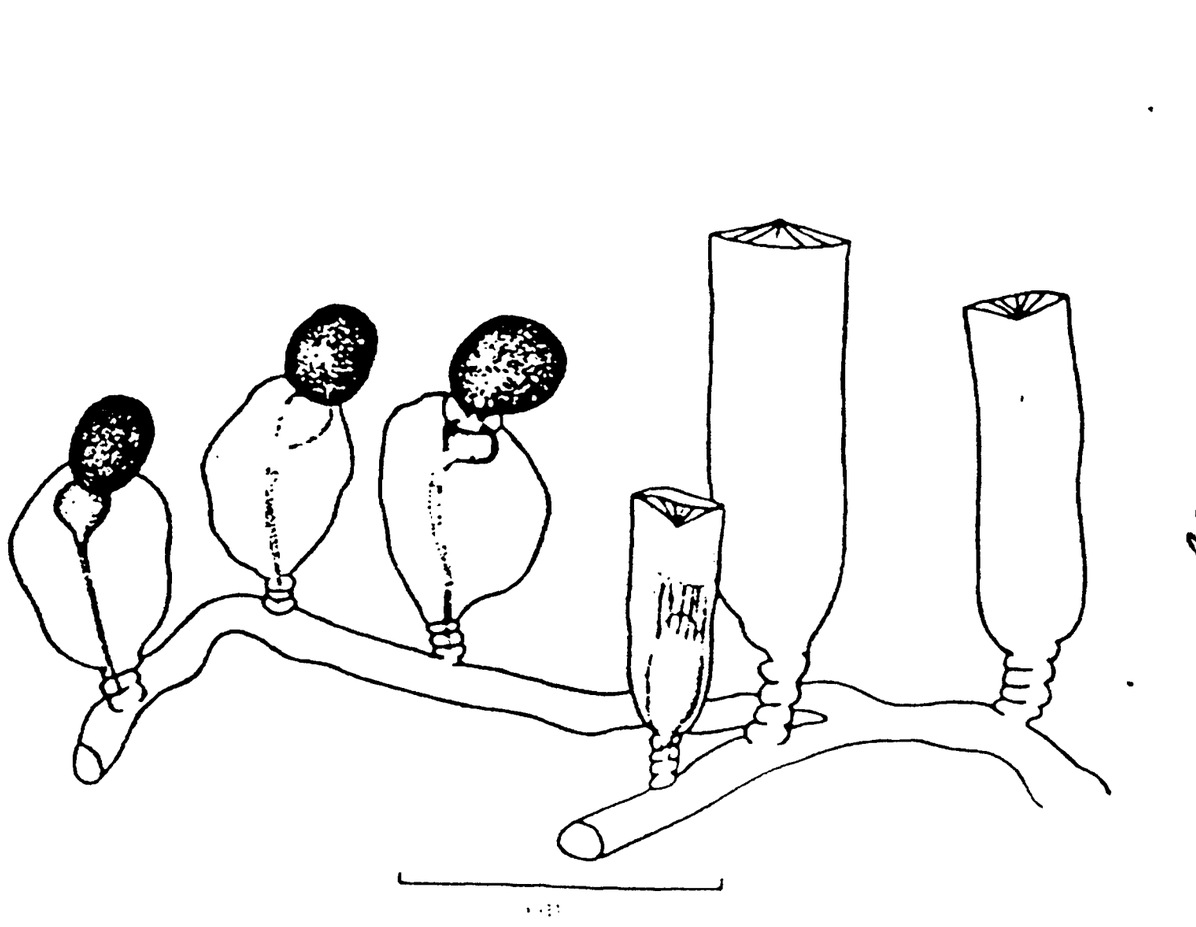
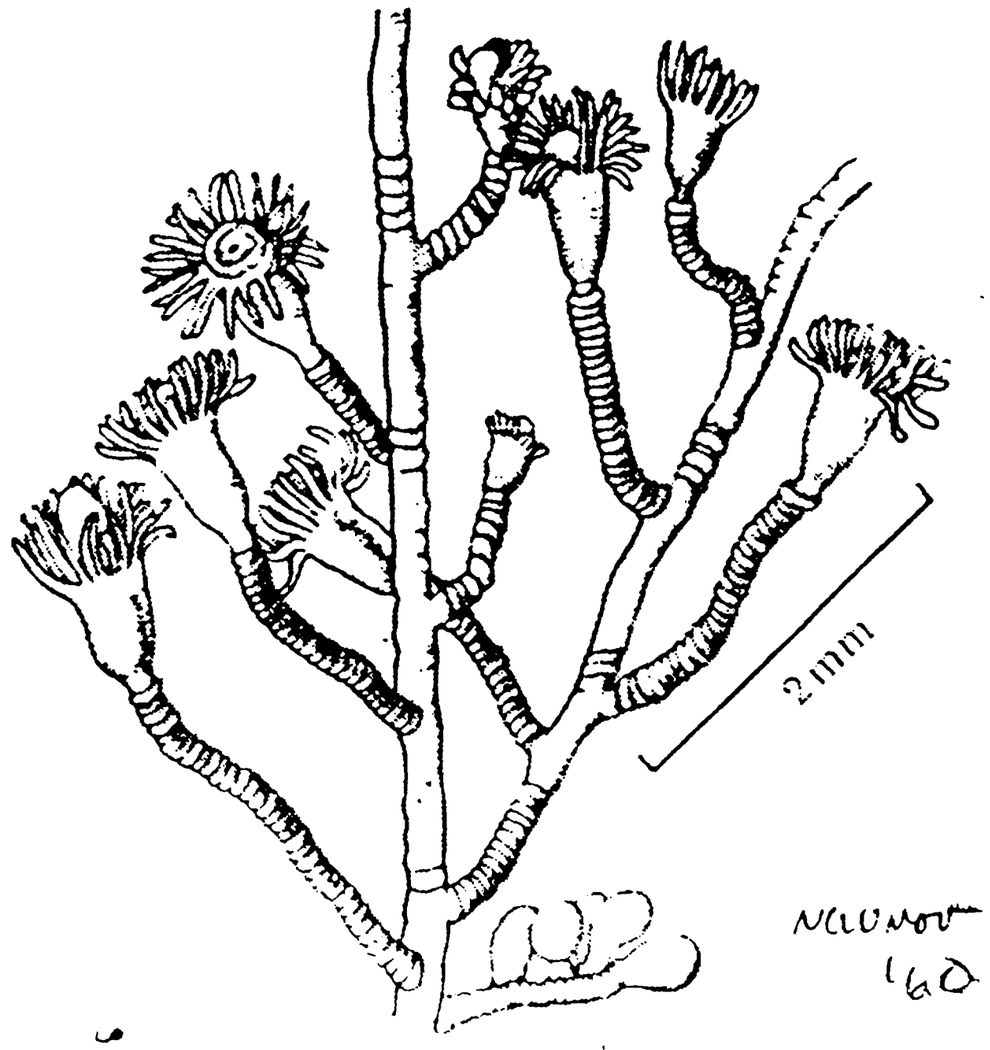


FIGURE 198. Calicella syringa (L.), section of colony with hydrothecae and gonothecae



Eudendrium sp.

Naumov '60

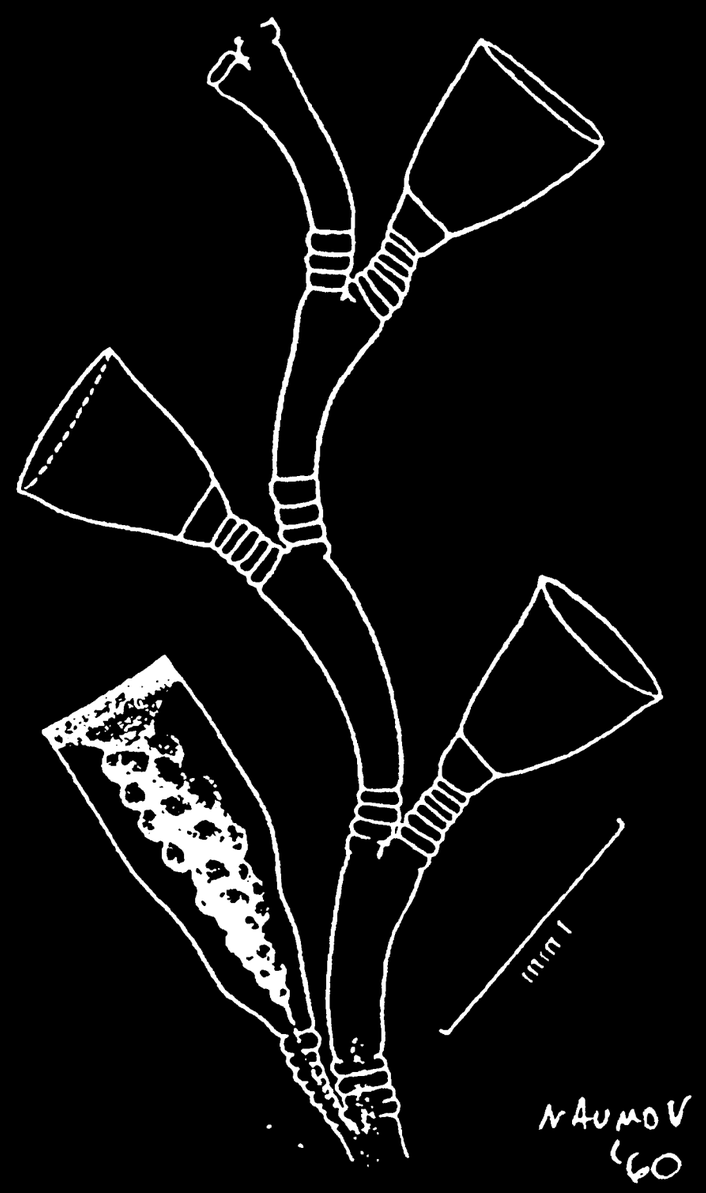


FIGURE 147. Obelia geniculata (L.), branchlet with hydrothecae and gonotheca

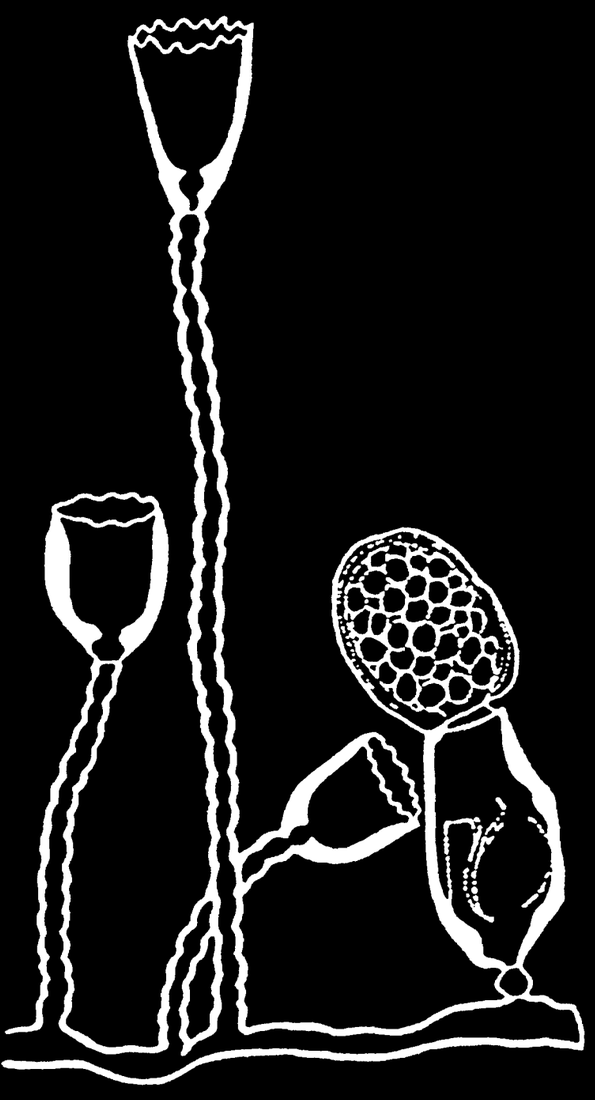
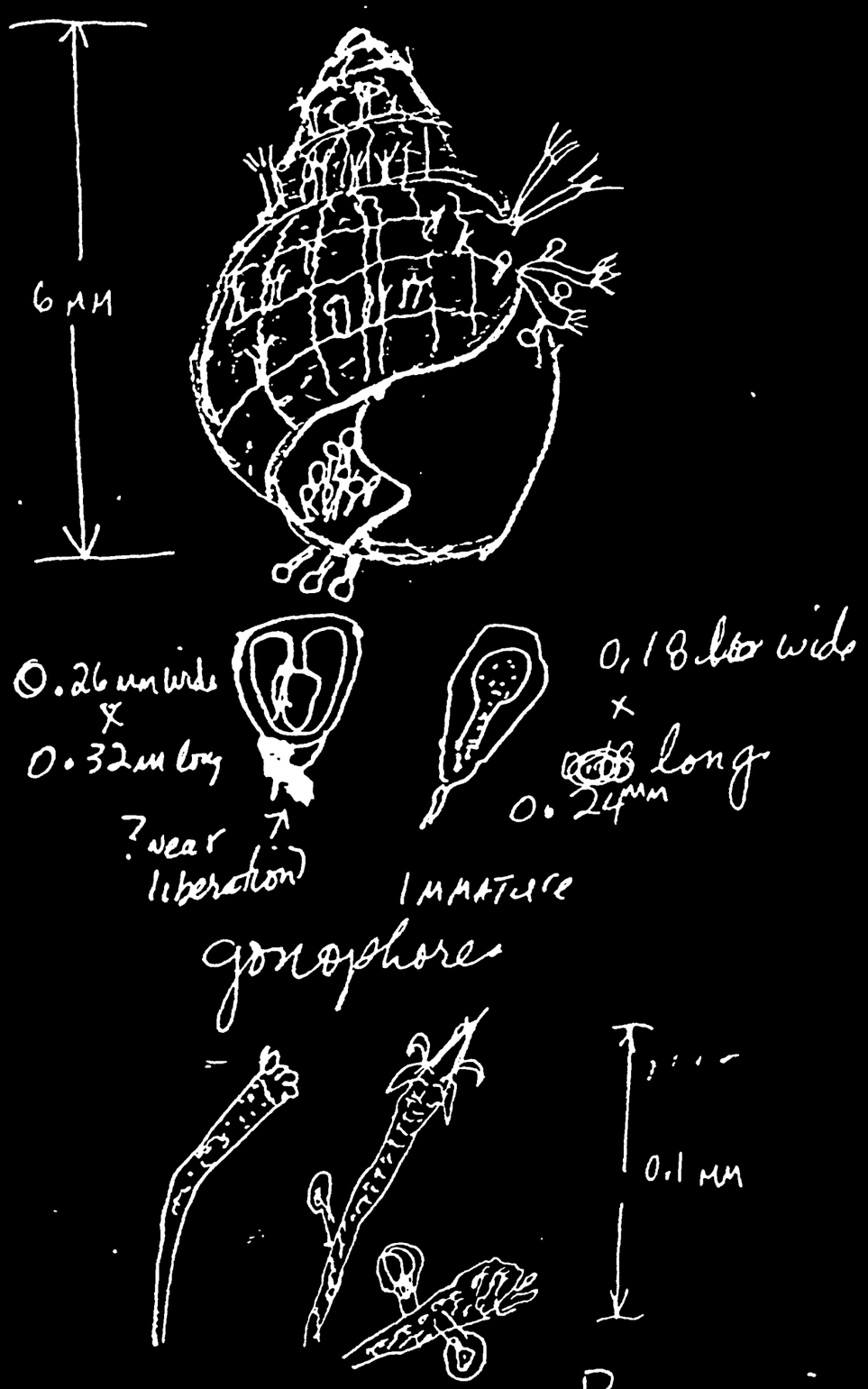


FIGURE 142. Campanularia everta Clark, section of colony with three hydrothecae and gonotheca (after Nutting, magnified ?)



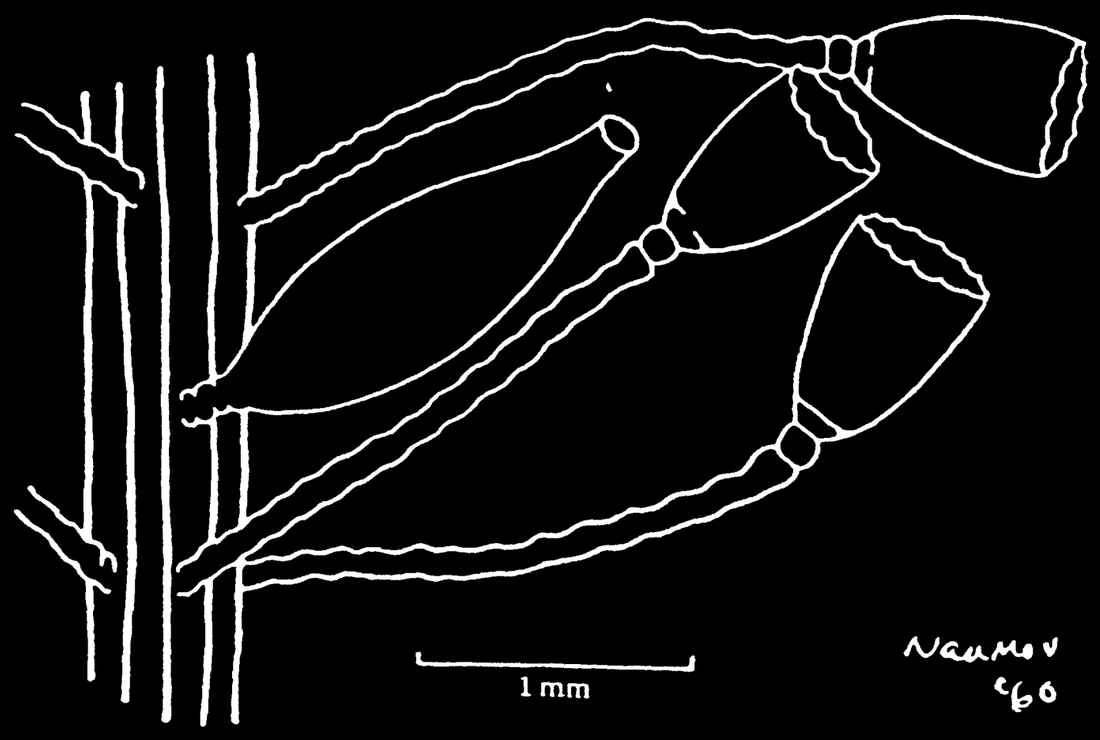
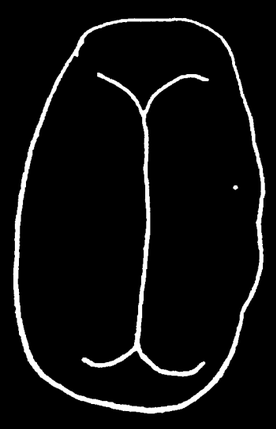


FIGURE 159. Verticillina verticillata (L.), section of colony with hydrothecae and gonotheca

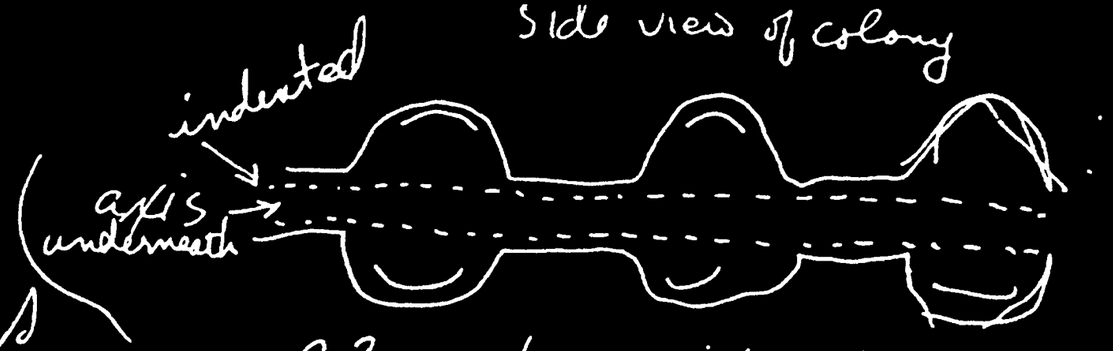
Perigonimus "serpens"

Heteregorgia tortuosa



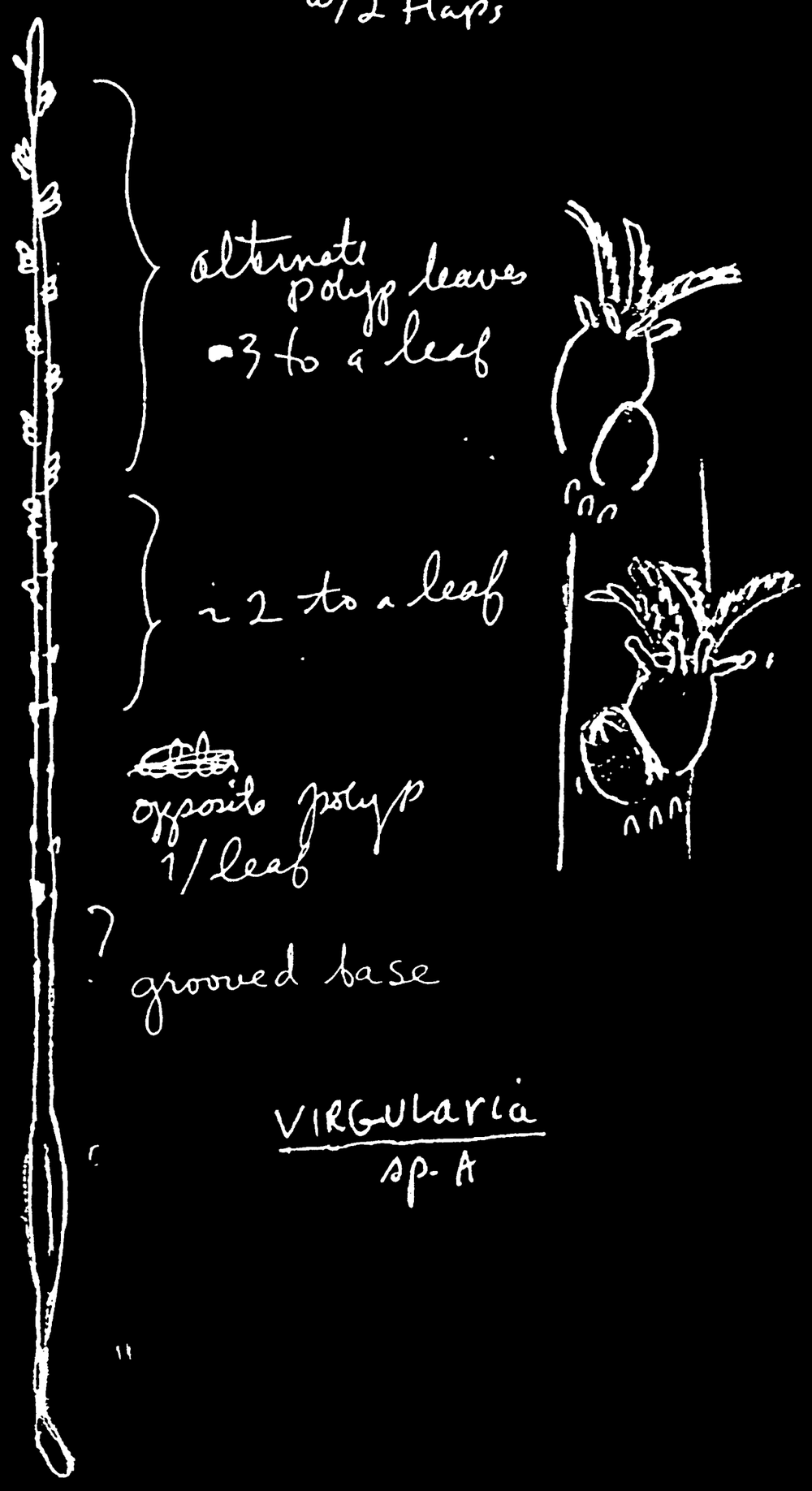
Top view

- Polyp with 2 flaps which fold over retractile polyp
- Polyp. a raised hemispherical mound w/2 flaps



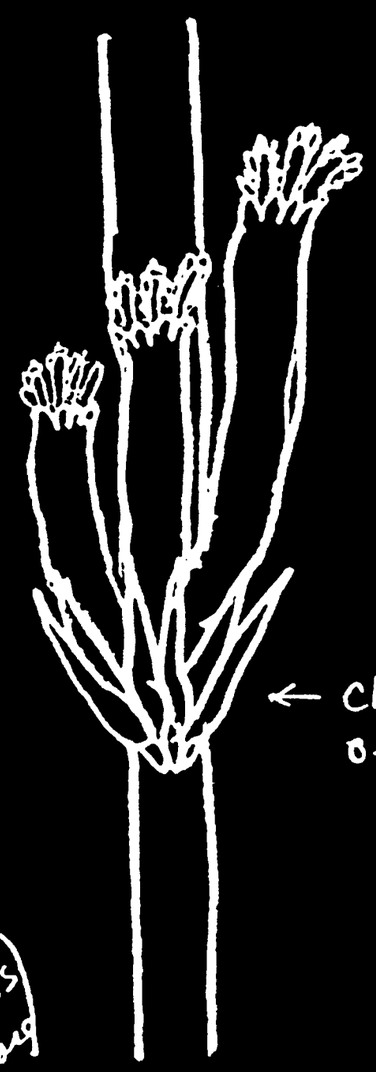
Side view of colony

2 rows of opposite polyps

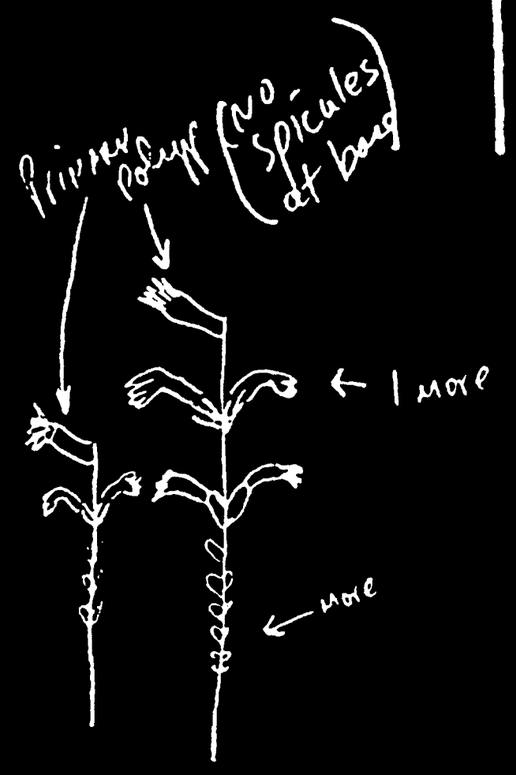


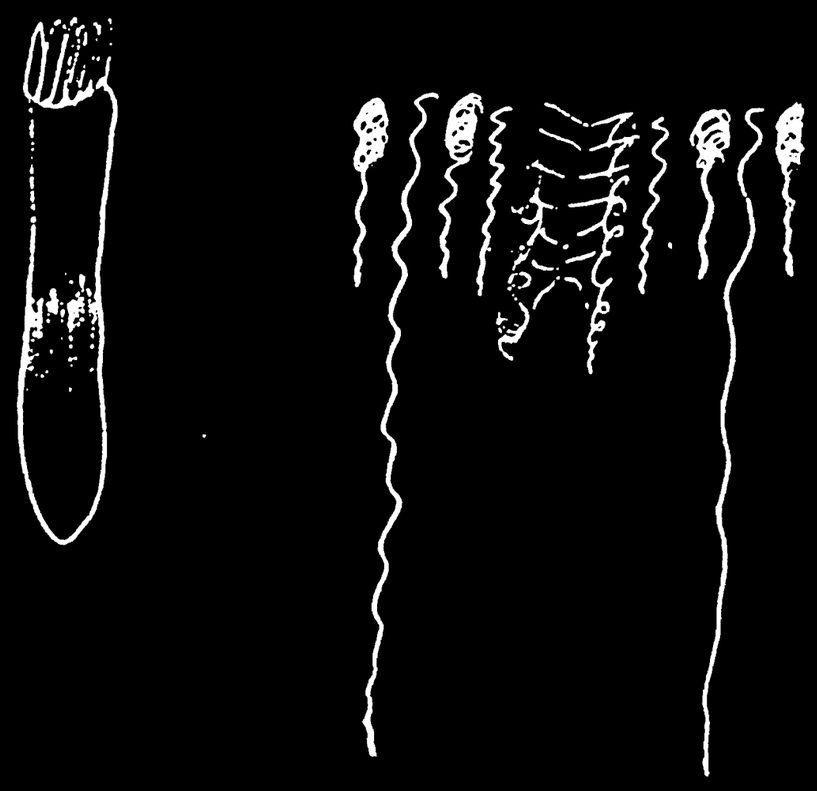
VIRGULARIA
sp. A

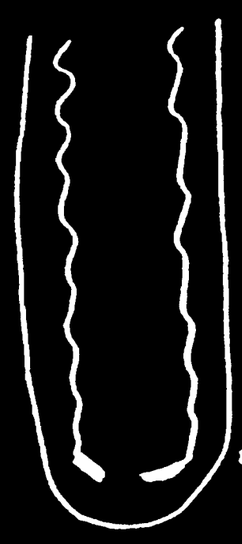
Acanthoptilum annulatum



STYLATULA
SP A

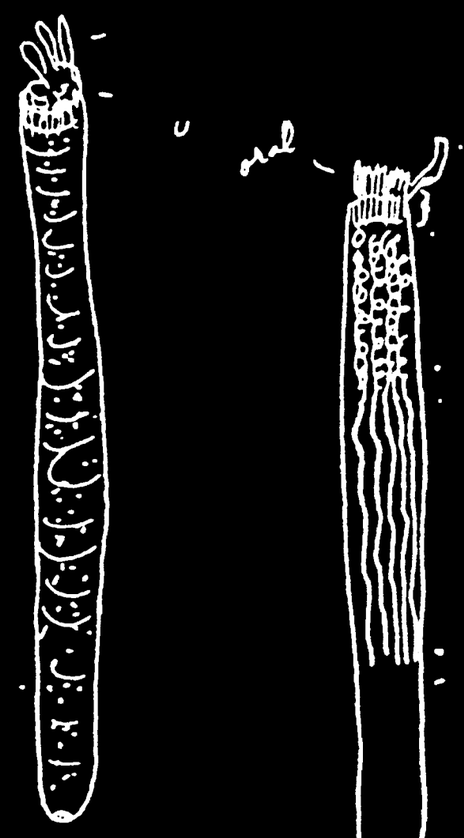






ARACHNANTHUS
Sp. A

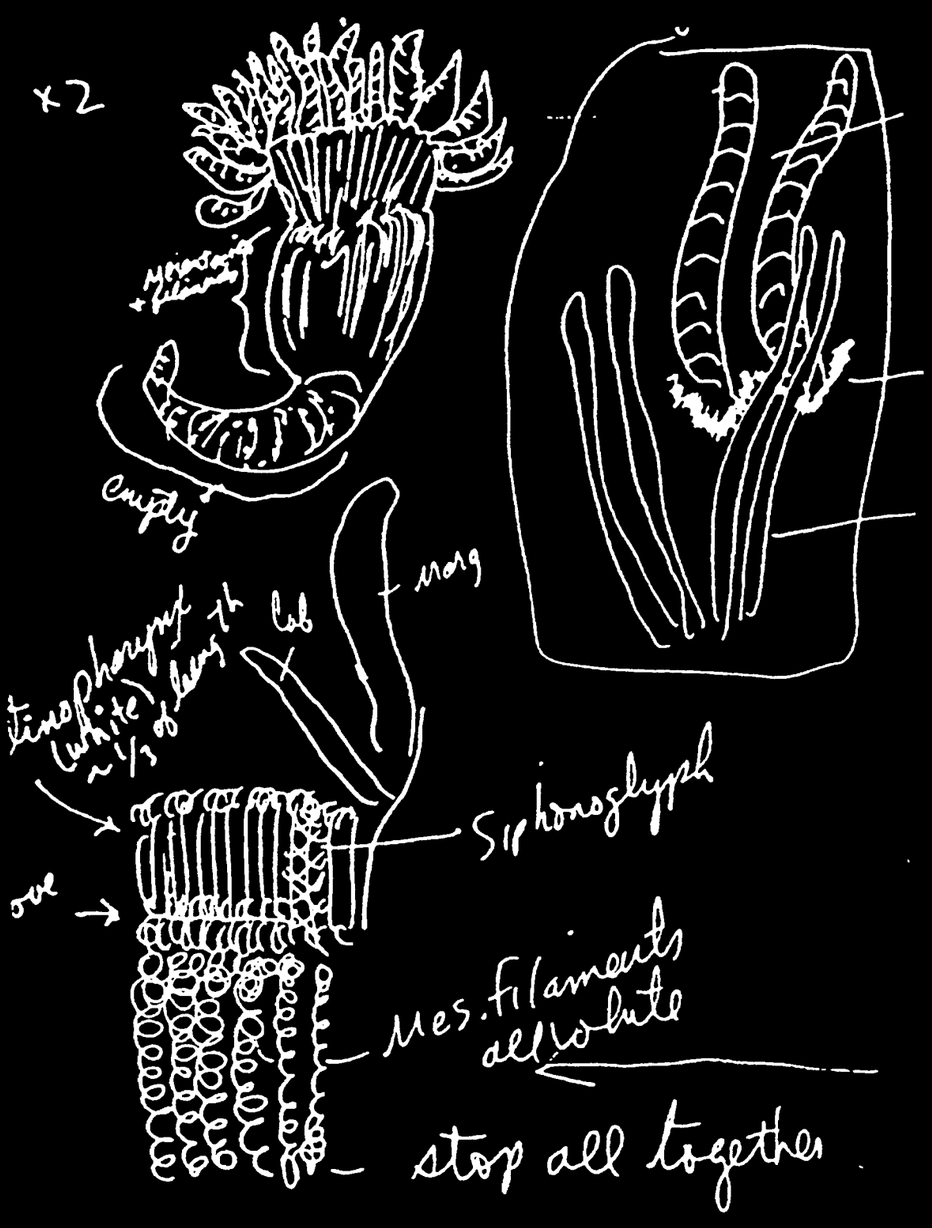
← acontivids



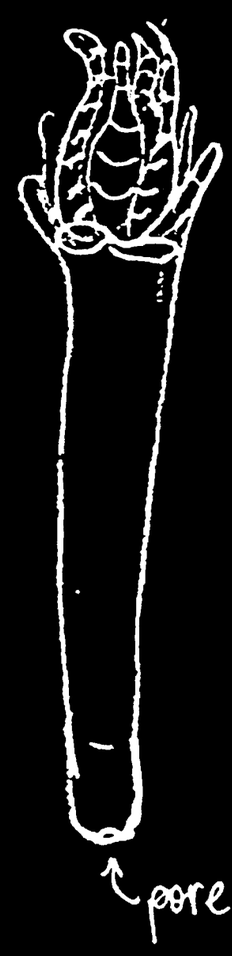
Ceriantharia
Sp. D

Ptchycerianthus sp

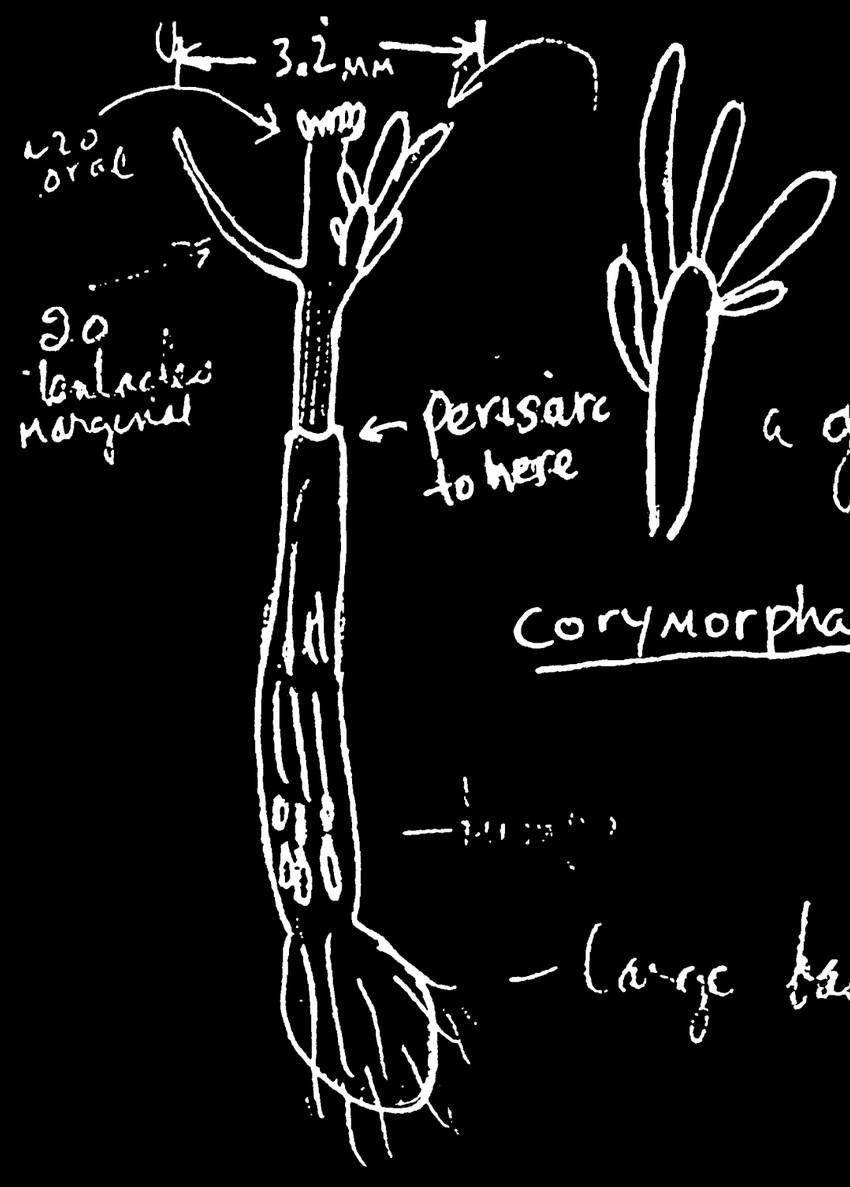
×2

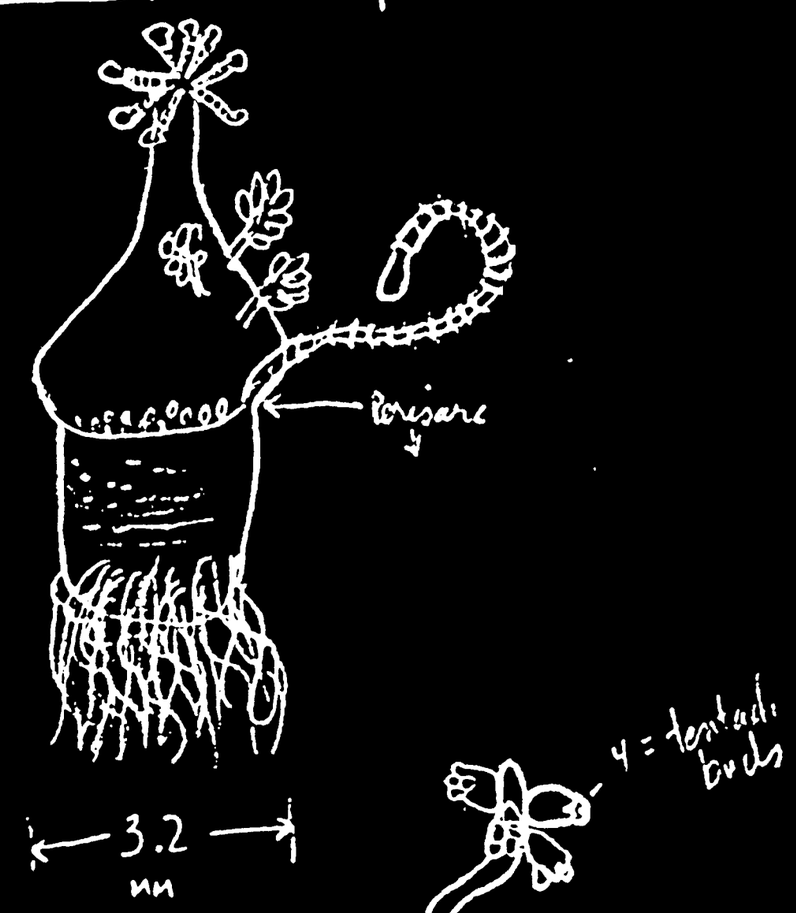


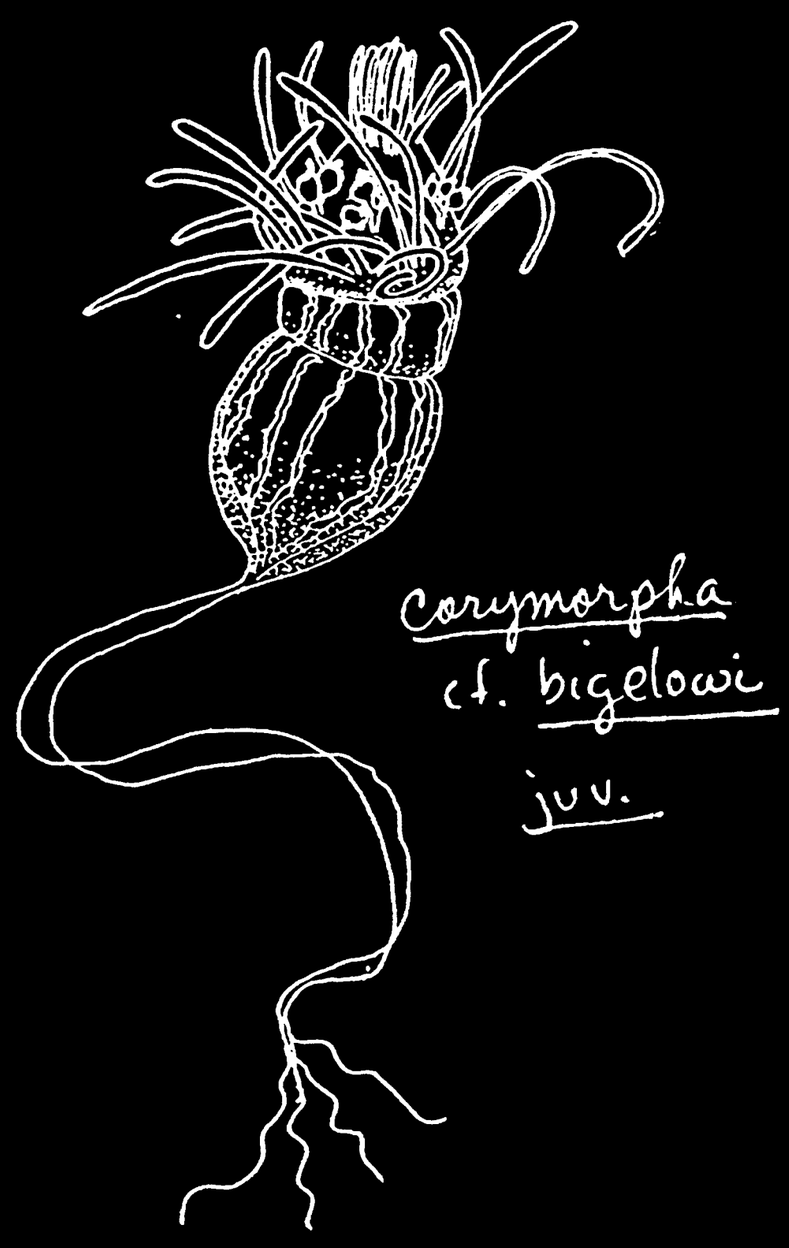
Ceriantharia sp. C

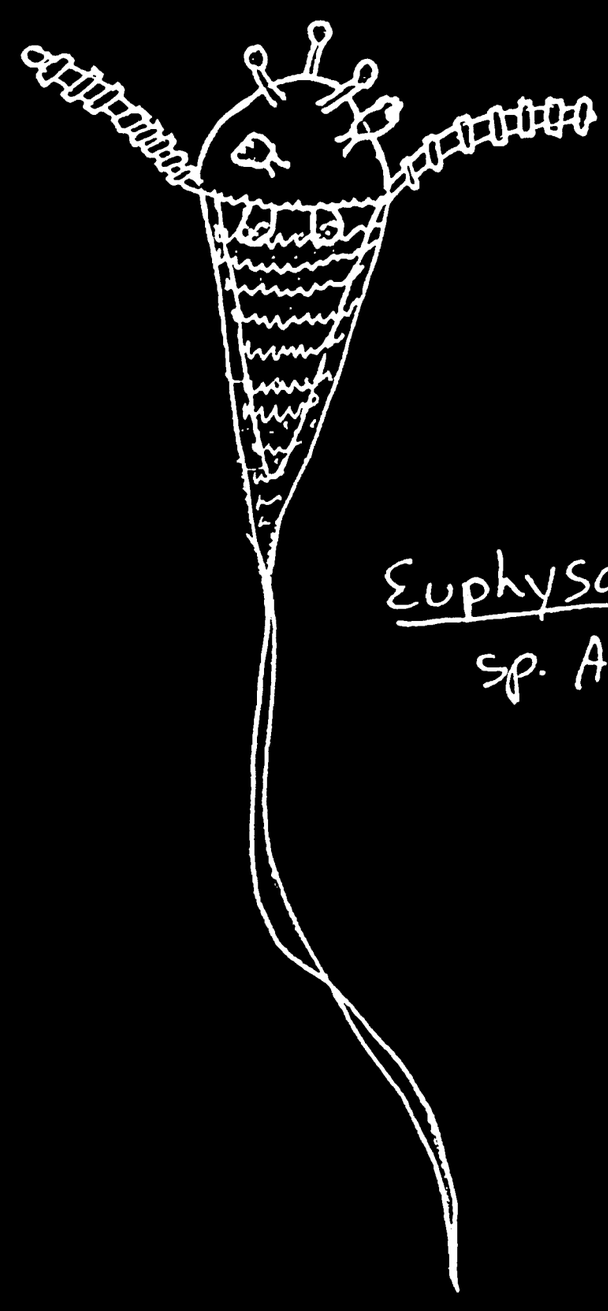


Ceriantharia
Sp. Q


3.2 mm
~20 oral
30 tentacles marginal
perisarc to here
a gonodendrum
9.6 mm
Corymorpha palma
large base


Hypolytus sp. A
perisarc
3.2 mm
4 = tentacle buds


Corymorpha cf. bigelowi juv.


Euphysa sp. A

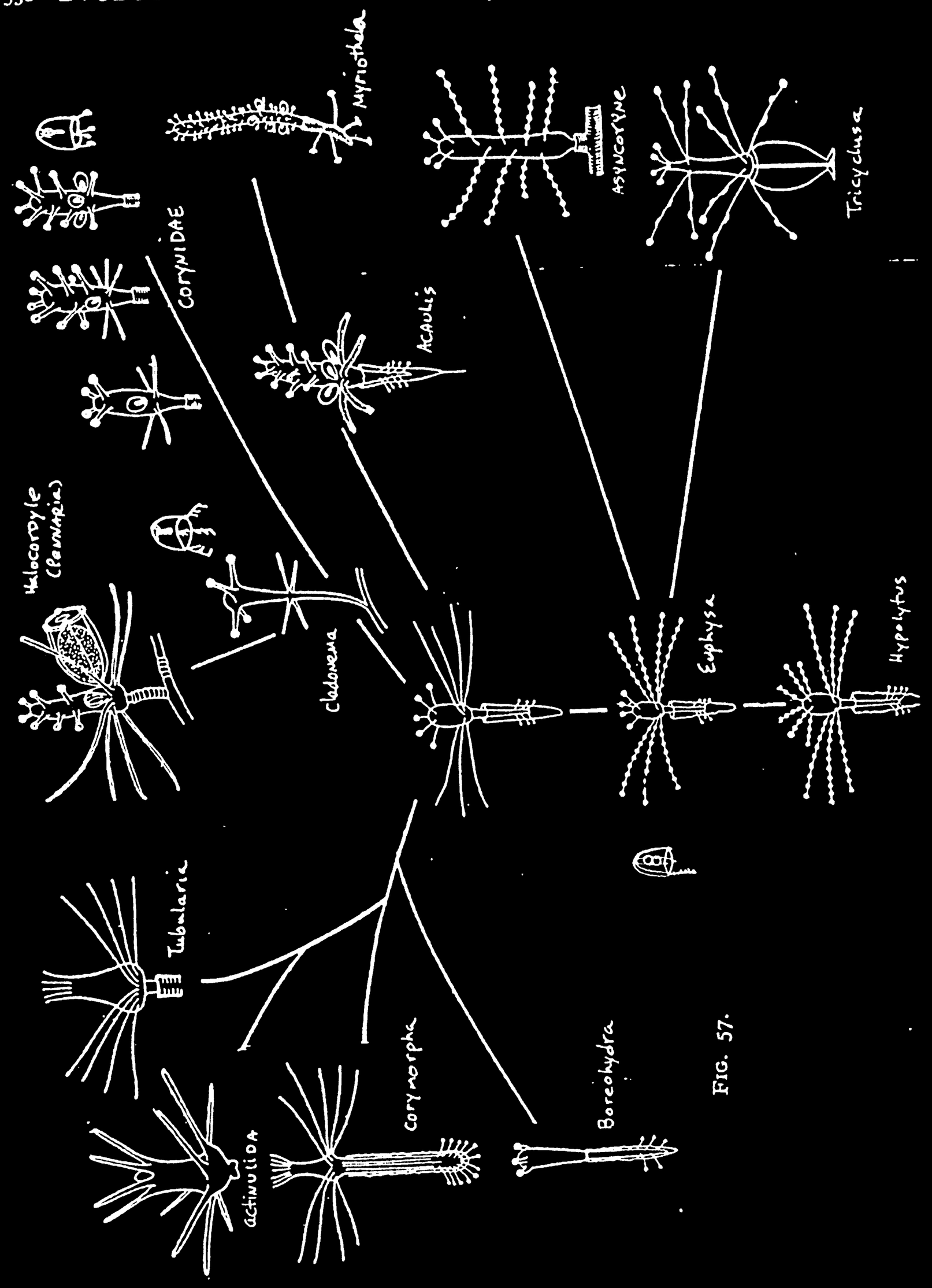

Myriothela
Asyncoryne
Tricyclusa
Corynidae
Acaulis
Halocordyle (Cerianthus)
Cladonema
Euphysa
Hypolytus
Tubularia
Actinulida
Corymorpha
Boreohydra

FIG. 57.