



**Southern California Association of
Marine Invertebrate Taxonomists**

3720 Stephen White Drive
San Pedro, California 90731

January 1991

Vol. 9, No. 9

NEXT MEETING: Spionidae (non-polydorid)
GUEST SPEAKER: Larry Lovell, Private Consultant
DATE: Monday, February 11, 1991, 9:30 A.M.
LOCATION: 1036 Buena Vista Drive (Larry's home)
Vista, CA (a map has been included)
(619) 945-1608

MINUTES FROM MEETING ON January 14, 1991

Flatworm Workshop: John Ljubenkov, MEC Analytical Systems Inc. and Tony Phillips, Hyperion Treatment Plant organized January's flatworm workshop. Tony and John amassed a list of 12 species of flatworms and illustrated the important diagnostic characters used to identify each of the 12 species. The illustrations for each of the 12 species has been included with this newsletter.

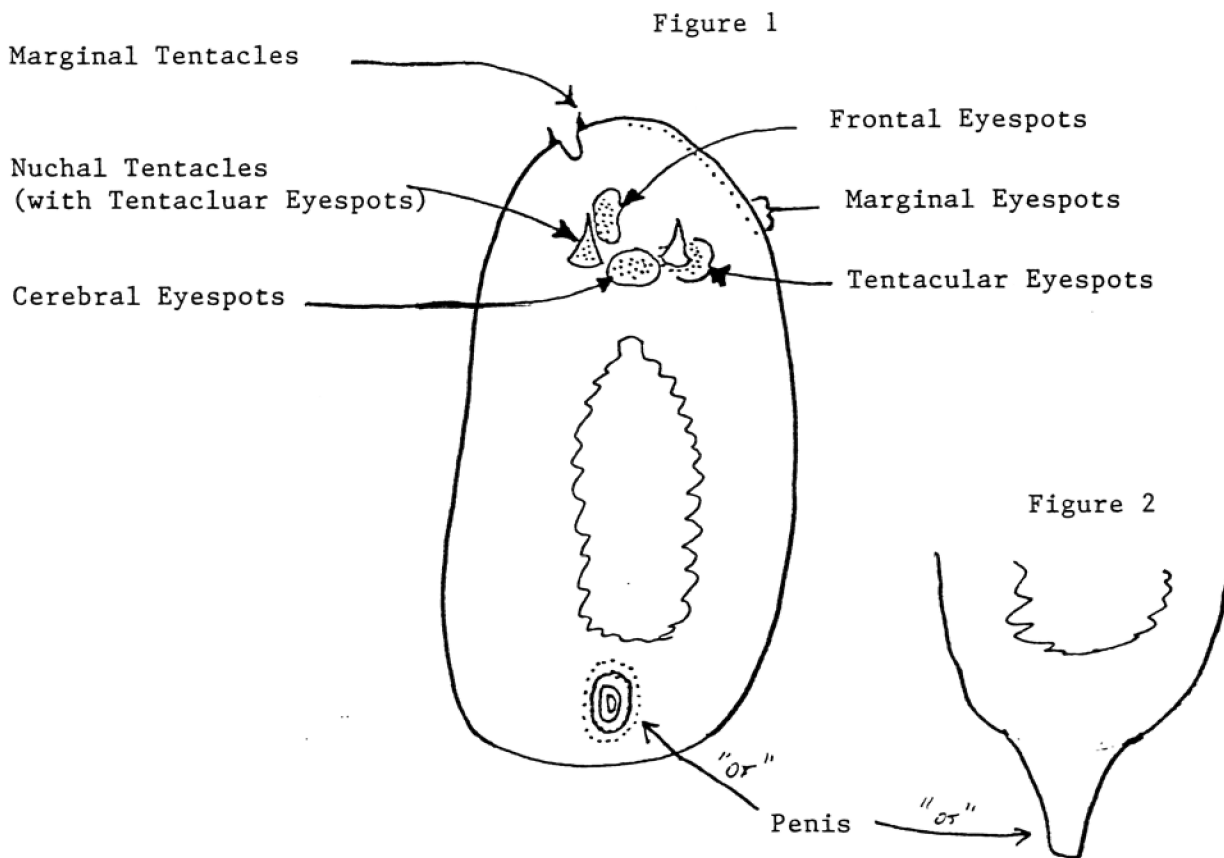
Pseudostylochus burchami, Plehnia caeca var. oculifera and Stylochus exiguus are the most common species encountered on soft substrates in the southern California Bight. Eurylepta sp. A was collected during a deep water MMS survey in northern California on hard substrata.

FUNDS FOR THIS PUBLICATION PROVIDED IN PART BY ARCO FOUNDATION,
CHEVERON USA, AND TEXACO INC.

SCAMIT newsletter is not deemed to be a valid publication
for formal taxonomic purposes.

The three most important characters used to identify flatworms discussed, in order of importance were:

- 1) Distribution of eyespots (cerebrals, frontals, tentaculars and marginals), or the absence of eyespots (fig. 1)
- 2) Presence or absence of nuchal and marginal tentacles (some are retractile) (fig. 1)
- 3) Position of the penis (either ventral or posterior) (figs. 1, 2)



SCAMIT acknowledges and thanks John and Tony for the time they spent preparing for this workshop. The information will be very helpful in future identification of flatworms.

February Spionidae Meeting: The spionid workshop will be a hands on format. Specimens will be provided by Larry. All participants should bring pertinent literature and any additional specimens they want considered. A map to Larry Lovell's home for the meeting has been included in this newsletter.

March Nucleulanidae Meeting: Just a reminder that the March SCAMIT meeting covering the Nucleulanidae will be held at the Santa Barbara Museum of Natural History. If you have any unusual specimens please send them to Paul Scott ASAP so that he may prepare for the meeting.

Paul Scott
Associate Curator of Invertebrate Zoology
Santa Barbara Museum of Natural History
2559 Puesta Del Sol Road
Santa Barbara, CA 93105

Parasitic Copepods: Larry Lovell has noticed an endoparasitic copepod residing within the thorax of Mediomastus off the Orange County outfall. Larry is curious to determine if this parasitism is a local association, or more widespread.

Publication Funding: SCAMIT has approved funding for the publication costs for Dr. Masahiro Dojiri's and Dr. Robert Brantley's paper describing a new species of copepod (Siphonostomatoida: Caligidae) parasitic on the California Halibut from Santa Monica Bay, California". This will be the 5th publication funded by SCAMIT.

Next Year's Agenda: If you have any suggestions for topics or workshops for the 1991 - 1992 SCAMIT meetings please submit them to the vice-president within the next two months. The executive committee will be scheduling speakers for next year very soon.

New Literature: Maciolek, N.J. 1990. A redescription of some species belonging to the genera Spio and Microspio (Polychaeta: Annelida) and descriptions of three new species from the northwestern Atlantic Ocean. J. Nat. Hist. 24:1109-1141.

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

SCAMIT Officers:

President	Ron Velarde	(619) 226-0164
Vice-President	Larry Lovell	(619) 945-1608
Secretary	Ross Duggan	(619) 226-8175
Treasurer	Ann Martin	(213) 648-5317



14 January 1991

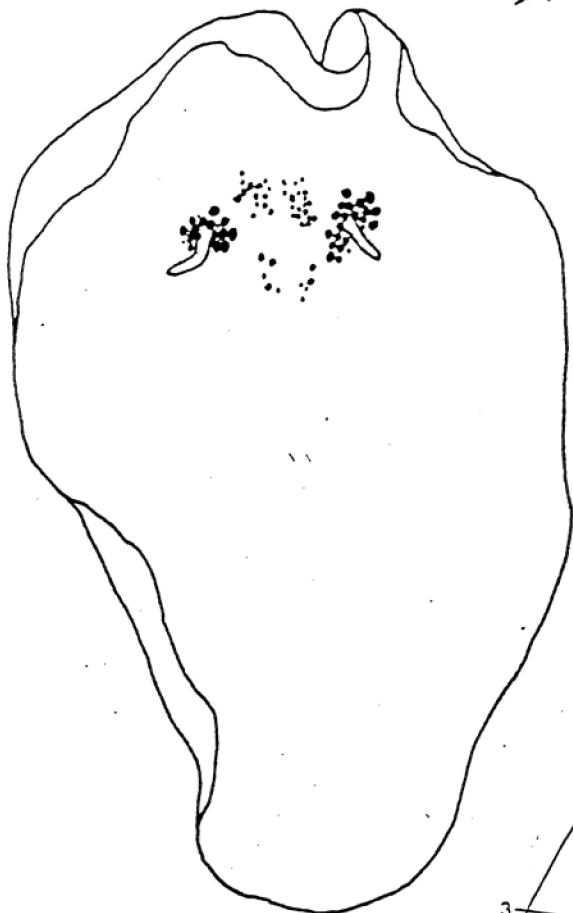
POLYCLAD FLATWORMS FROM CALIFORNIA

1. Pseudostylochus burchami (Heath and McGregor, 1912).
A. small specimen from Hyperion.
b. from Hyman, 1953
2. Plehnia caeca var. oculifera Hyman, 1953
A. dorsal aspect, cleared
B. ventral aspect, posterior portion, showing contracted penis
C. from Hyman, 1953; var. caeca
3. Stylochus exiguus Hyman, 1953
A. from Hyman, 1953
B and C. two specimens from Hyperion
~~C~~ and ~~D~~. two specimens from Orange County, notice penis
D E
4. Cryptocelis occidentalis Hyman, 1953
A. specimen from Orange County
B and C. two more variations of eye pattern
5. Stylochus franciscanus Hyman, 1953
A. from Hyman, 1953
B. dorsal surface, uncleared
C. dorsal surface, cleared
6. Stylochoplana cf. longipenis Hyman, 1953
A. from Hyman, 1953
B. eyes from Hyman, 1953
C. eyes from Orange County specimen
D. Orange County specimen
7. Stylochoplana sp.
A. dorsum
B. ventrum
C. eyes
D. single tentacle
8. Flatworm # 43
A. uncleared, dorsum
B. cleared, dorsum
C. eyes
9. Spinnicirrus sp.
A. head cleared, with ocelli
B. a few individual ocelli
10. Eurylepta sp. A
A. dorsum, cleared with eyes
B. ventrum
C. eye structure
11. Hoploplana sp. A
A. whole animal, Orange County
B. eye pattern

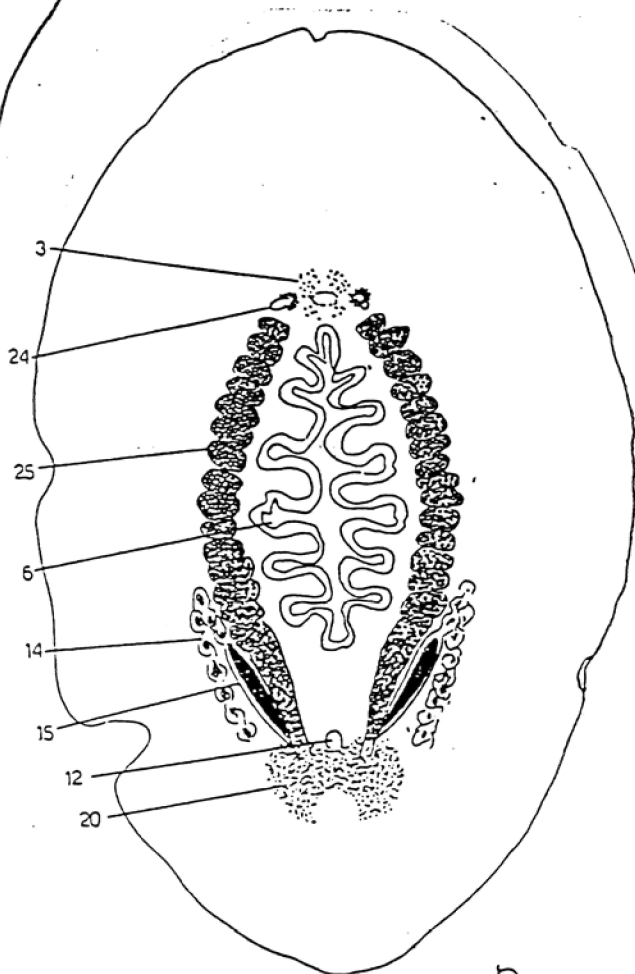
MMS - NORTHERN CALIFORNIA
ROCK SHAPE

ST B

1. PSEUDOSTYLOCHUS BURCHAMI



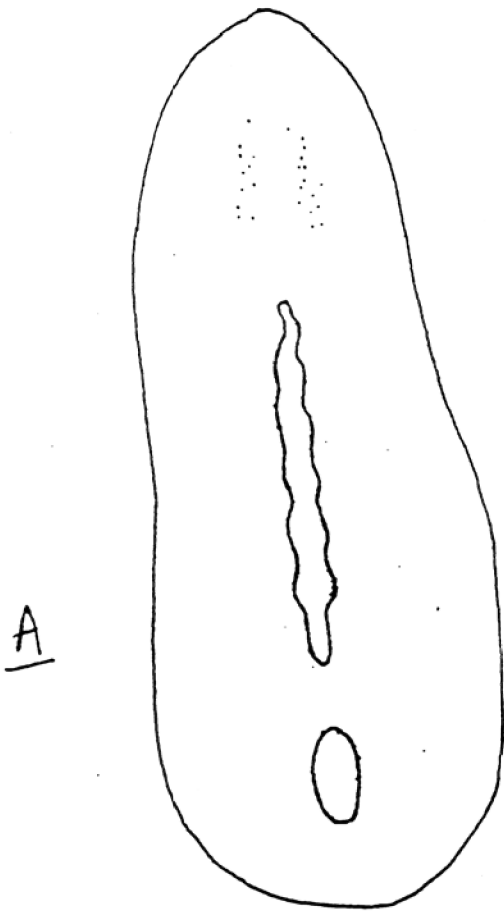
A L=8
W=5



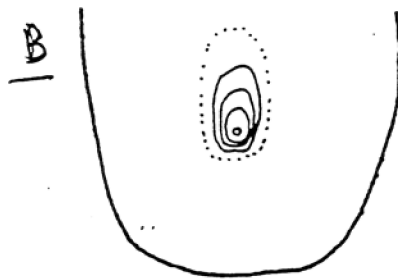
B

2. PLEHNIA CAECA

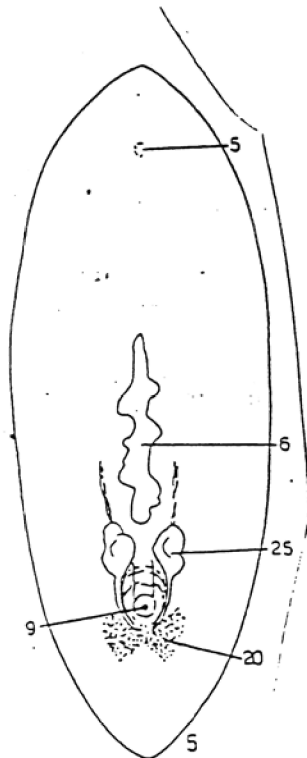
VAR. OCULIFERA



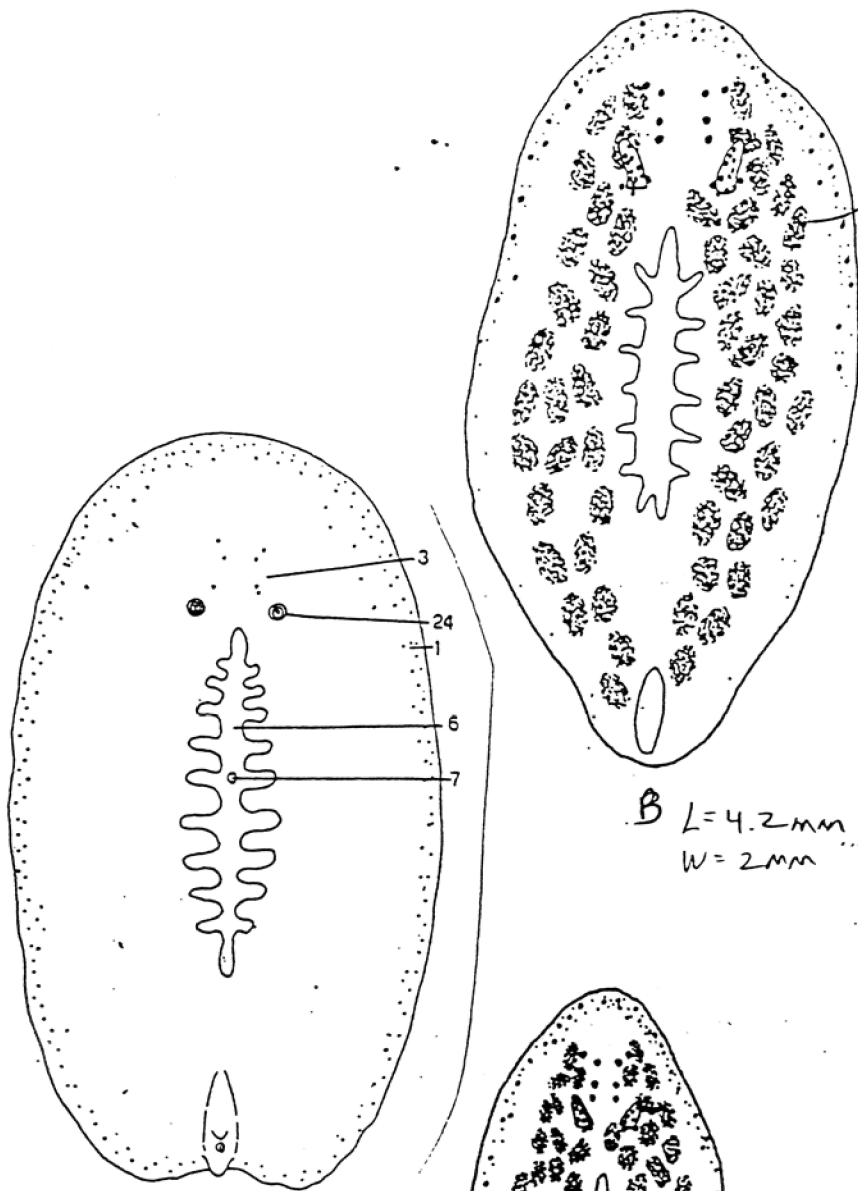
D



V

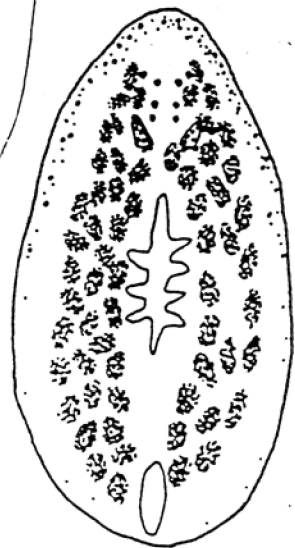


3. STYLOCHUS EXIGUUS

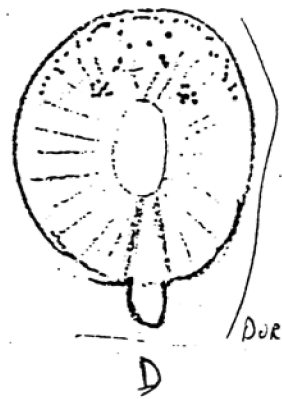


A
L = 7 mm
W = 4 mm

B L = 4.2 mm
W = 2 mm

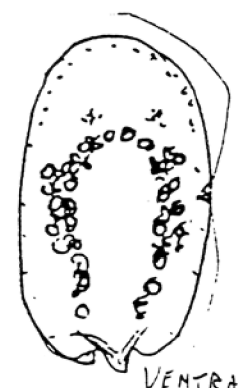


C L = 3.8 mm
W = 1.8 mm



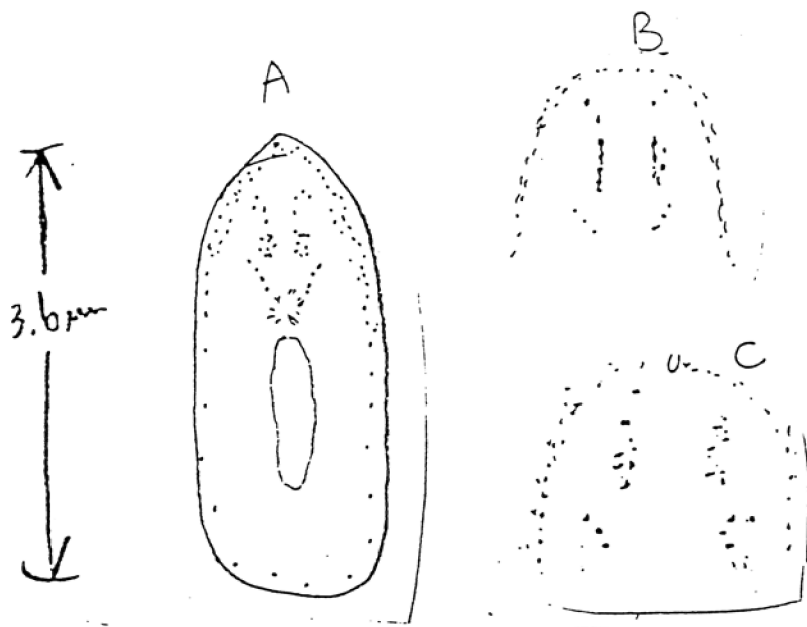
L = 2 mm

DORSAL

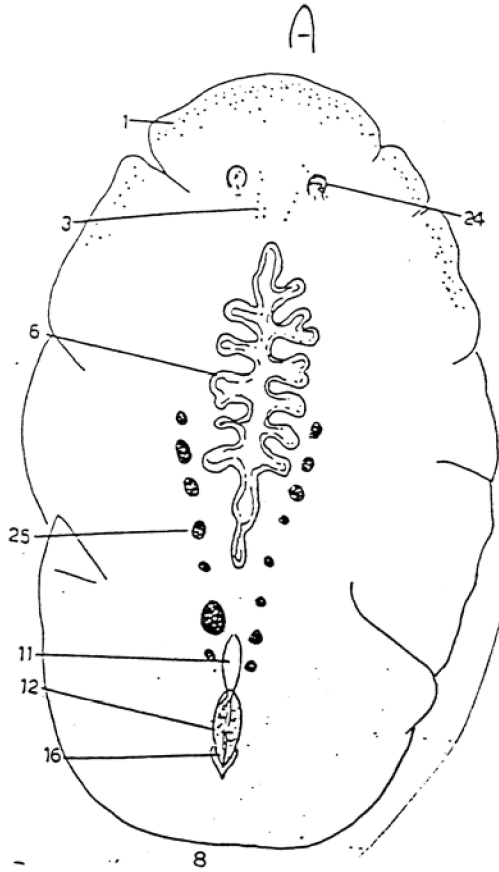
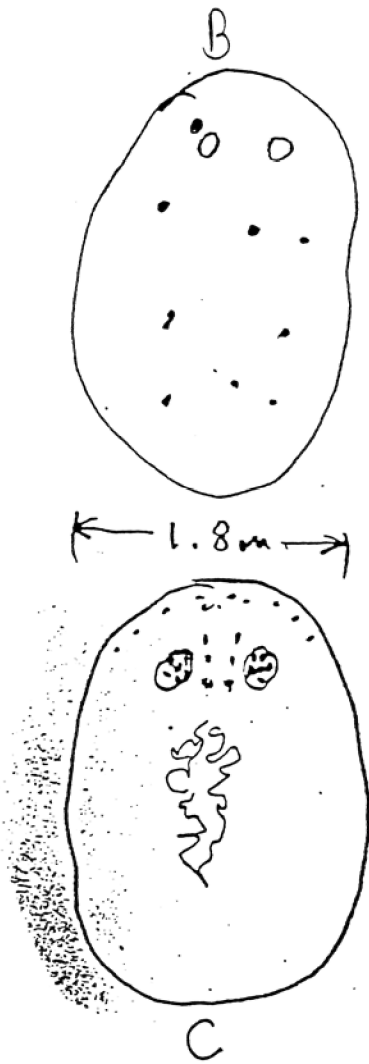


VENTRAL

E



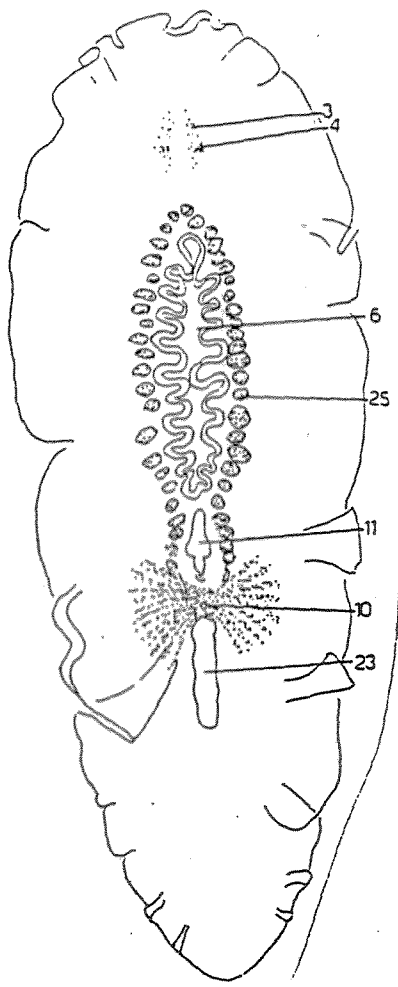
4. CRYPTOCELIS OCCIDENTALIS



5. STYLOCHUS FRANCISCANUS

6.

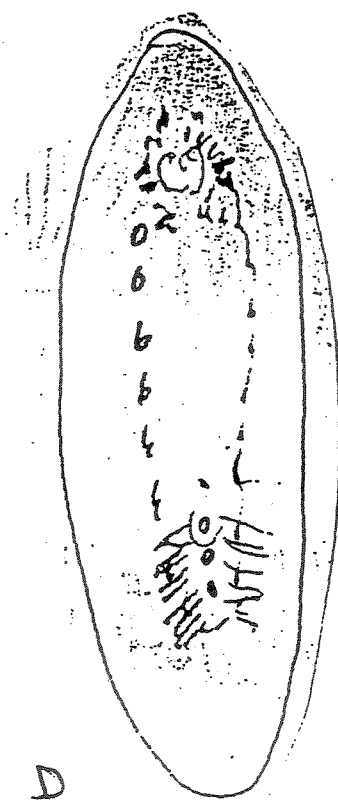
STYLOCHOPLANA CF. LONGIPENIS



B



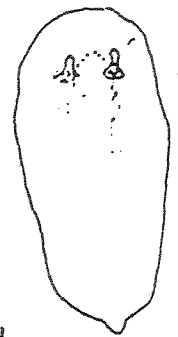
C



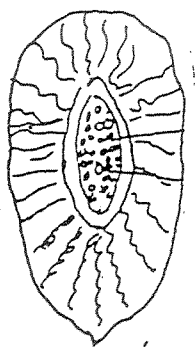
D

A

DORSUM

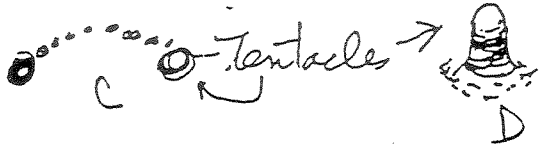


a

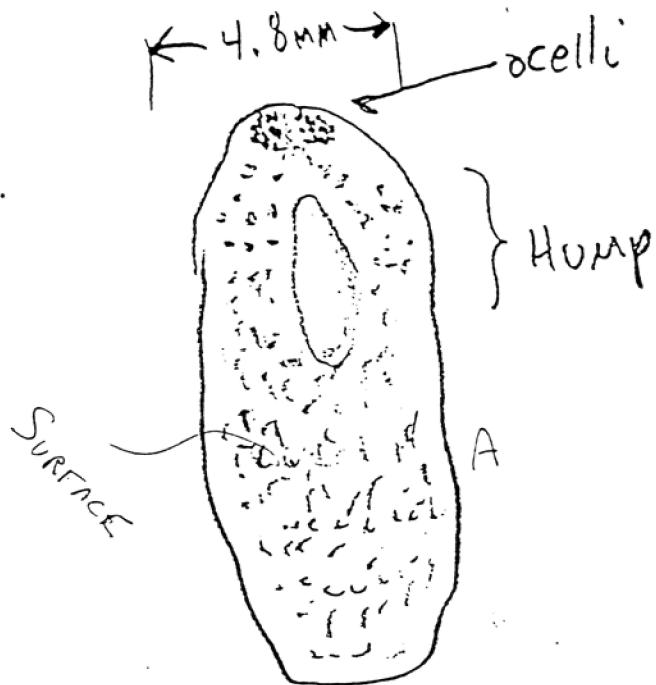


c

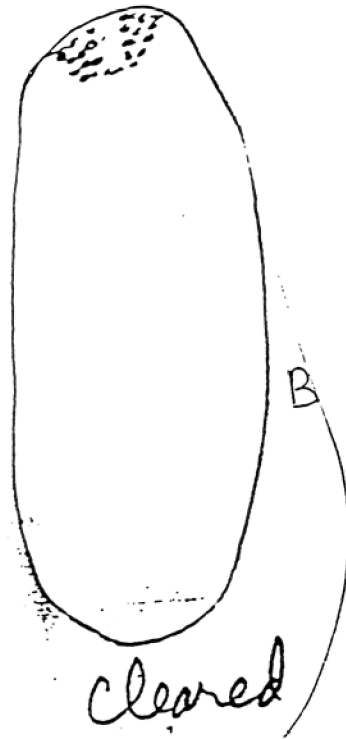
VENTRUM



7. STYLOCHOPLANA SP.



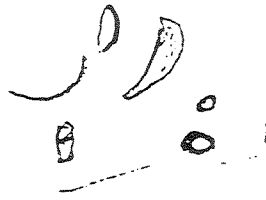
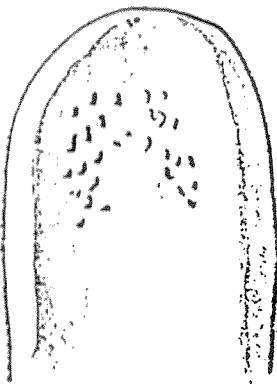
un-cleared



cleared

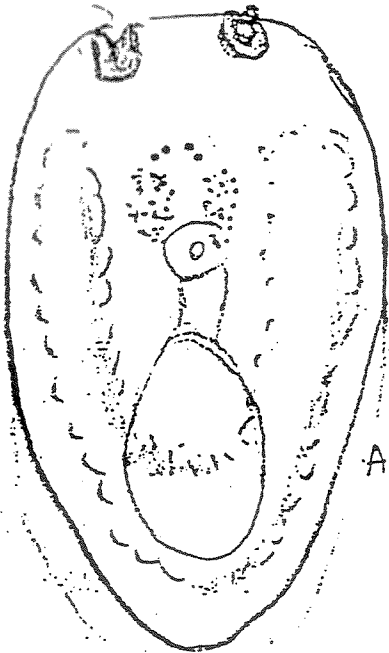
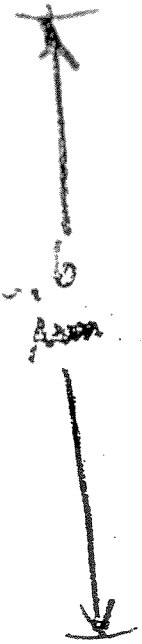


8. FLATWORM #43 |



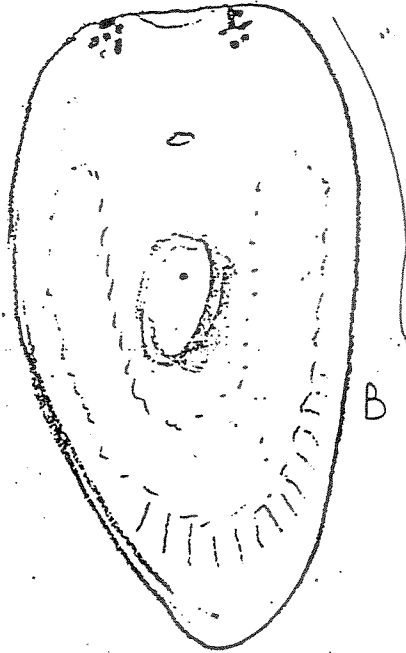
9. ?SPINNICIRRUS SP.

A



A

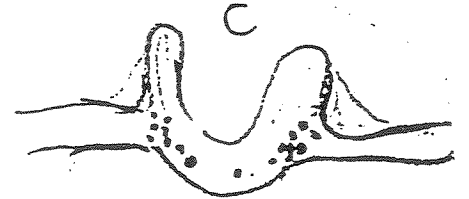
Dorsum



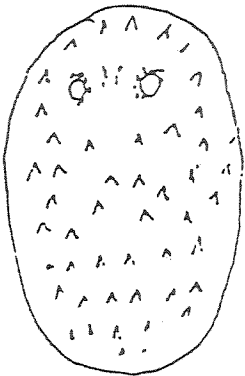
B

Ventrum

10. EURYLEPTA SP. A



C



A



B

11. Hoploplana sp. A