



**Southern California Association of  
Marine Invertebrate Taxonomists**

3720 Stephen White Drive  
San Pedro, California 90731

October 1986

Vol. 5, No. 7

NEXT MEETING: November 10, 1986  
SPECIMEN EXCHANGE GROUP: Ascidiacea  
TAXONOMIC TOPIC: Polynoidae

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MINUTES FROM MEETING ON OCTOBER 20, 1986

Leslie Harris has announced a call for people to bring specimens they would like to have examined by researchers working on the polychaete genera Sige, Eumida, Eulalia, Steggoa, and Mediomastus. The specimens of Mediomastus will be sent to Dr. Pat Hutchings in Australia and the Phyllodocidae will be sent to Dr. Fredrik Pleijel in Sweden. Don't miss this opportunity to have your work done for you.

New publications that have recently been issued will be of interest to many SCAMIT members:

- Williams, A.B. 1986. Mud shrimps, Upogebia, from the eastern Pacific (Thalassimoidae: Upogebiidae) San Diego Soc. Nat. Hist. Memoir 14.
- Scott, P.H. 1986. A new species of Adontorhina (Bivalvia:Thyasiridae) from the northeast Pacific, with notes on Adontorhina cyclia Berry, 1947 Veliger 29 (2): 149-156.

FUNDS FOR THIS PUBLICATION PROVIDED IN PART BY CHEVRON U.S.A. INC.,  
TEXACO INC., AND ARCO FOUNDATION

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

Another SCAMITEer has entered the world. Elise Alexandra Lissner was born to parents Andy and Luanne on October 6th. She weighed in at 7 lbs. 11 ozs. and was 21½ inches long.

Erratum for the recently distributed Amphipod Workshop Notes will be found as a separate page in this newsletter volume.

List of specimens examined on October 20, 1986

PL 72 Thalenessa spinosa (Hartman, 1939)

MBC 57 Thalenessa spinosa (Hartman, 1939)

MBC 58 Sthenelais cf. verruculosa Johnson, 1897

HYP 65 Pholoe glabra Hartman, 1961

HYP 66 Thalenessa spinosa (Hartman, 1939)

HYP 67 Aphrodita spp.

(The material exchanged represented a species complex that is being retained for further review and resolution.)

The voucher sheets were not ready at time of publication but will be in next month's newsletter.



SCAMIT ORDER FORM

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VIDEO TAPES

These tapes of SCAMIT guest lecturers are available for viewing on VHS recorders. Price for renting is \$10.00 with a \$5.00 refund upon return of the tape.

- Tape 1 ( ) Dr. Andrew Lissner and Dr. Wilson Hom: Status of Benthic Archive Samples and Reexamination of Existing Data for California (May 14, 1983).
- Tape 2 ( ) Dr. Pat Hutchings: Systematics of Mediomastus. (January 14, 1985)  
Dr. Richard Bray: Consumer mediated Nutrient Transport into Rocky Subtidal Reefs. (February, 11, 1985)
- Tape 3 ( ) Dr. J.L. Barnard: Amphipod Workshop Morning Lecture (March 7, 1985). Also accompanied with transcribed notes from the discussions on March 6, 8 and 11, 1985).
- Tape 4 ( ) Dennis Lees: Hydroid assemblages of soft-bottomed habitats on the Hueneme Shelf, and factors influencing their distribution (April, 8, 1985).
- Tape 5 ( ) Dr. Burton Jones: Physical and Chemical Processes associated with the Los Angeles County Sanitation Districts Outfall. (November 18, 1985)

TOTAL ENCLOSED: \$ \_\_\_\_\_  
 Mail to: Ann Martin  
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## Additional Comments

These additional comments arose from discussion that took place while examining the various specimens. Some were general in nature, others are directed toward a specific family.

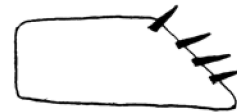
1. To best examine uropods, pull off the entire urosome. This enables one to keep track of right and left sides and help make illustrations be more uniform. More characters should be illustrated in the undissected form.

### 2. Phoxocephalidae

- a. A displaced apical spine is one that does not occur on the dorsal edge of the peduncle rather it is located distally on the apical end.



Normal  
Apical Spine



Displaced  
Apical Spines

- b. Jewel-like spines are short and broad, and reflect light. They are a tropical characteristic. Sediment may be a factor in influencing the



Normal Spine



Jewel-Like Spine

presence of these spines. Tropical seas have coarser sediments (from the lack of runoff) and having jewel-like spines benefits the amphipod living in coarser sediments. The spines also may be an aid during molting by functioning as a cuticle hook. Amphipods with these spines may constitute a separate genus.

3. Molting is a major cause of death. Experiments in the Arctic showed that 50% of the second instar juveniles