

Revised rec 4/6/84



SOUTHERN CALIFORNIA ASSOCIATION
OF
MARINE INVERTEBRATE TAXONOMISTS

March 1984

Vol. 2, No.12

Next Meeting: April 9, 1984

Place: Cabrillo Marine Museum
3720 Stephen White Drive
San Pedro, Ca. 90731

Specimen Exchange Group: Tanaidacea and Isopoda

Topic Taxonomic Group: Provisional species of polychaetes

MINUTES FROM March 5, 1984

Provisional Species: 1) Bring all provisional species of polychaetes, 2) bring a list of these species family by family, as well as a description of each (important characters) and 3) have your priorities in mind.

Election Results: The new offices of Secretary and Treasurer have been approved, the officers have been elected, and they will begin their term in April. They are:

- President - John Shisko
- Vice-President - John Dorsey
- Secretary - Cathy Crouch
- Treasurer - Ann Martin

Proposed Symposia: Don Cadien is looking into organizing two symposia, one on ophiuroids and one on cumaceans. John Dorsey is looking into a statistical workshop, picking up where we left off last fall. Hopefully their efforts will be fruitful; keep an eye on the forthcoming newsletters for any of these happenings.

✓ USC Museum Collection: Sue Williams pointed out that the systematic collection at USC is not wanted by management since it does not bring in income and also takes up valuable space. At her request SCAMIT is writing a letter in an attempt to persuade USC to refrain from removing the collections. The collection has been given a National Heritage status by the Smithsonian Blue Ribbon Committee. It would be truly unfortunate to lose these collections so SCAMIT urges everyone to write a letter supporting the collections. Address your letters to:

James H. Zumberge, President of the University
 University of Southern California
 University Park
 Los Angeles, California 90089-0012

also send a copy of the letter to:

Dr. Robert Douglas
Chairman Marine Program Executive Committee
Department of Geological Sciences
University of Southern California
University Park
Los Angeles, California 90089-0741

Dr. Irvin C. Lieb
University of Southern California
University Park
Los Angeles, California 90089-4012

✓ MacGinite Collection: Leslie Harris mentioned that this collection is also in danger. Scamit is sending a letter urging the Kerckhoff Marine Laboratory to maintain the library and informing them of the willingness of SCAMIT to take over the library and maintain it at the Cabrillo Marine Museum.

✓ Nationwide NOAA Quality Assurance Program: Dr. John Calder of NOAA has recently implemented a nationwide NOAA Quality Assurance Program for Marine Environmental Measurements. The measurements addressed in the program are 1) Organic chemicals, 2) toxic trace metals, 3) inorganic nutrients, 4) human pathogens and 5) biological rate measurements. It is noteworthy that taxonomy has not been included. A letter will be sent to Dr. Calder in an effort to have taxonomy included in this nationwide program. For more information about the quality assurance program or to be included on the mailing list; write to:

Dr. John Calder
NOAA Quality Assurance Program
Ocean Assessments Division
NOAA/NOS/OOMS/N/QMS32
Rockville, Maryland 20852 (301) 443-8951

Help Wanted: A polychaete taxonomist is needed immediately for working on samples from intertidal to 3000m off the Georgia Banks. It is possible to arrange summer full-time work. If interested contact:

Tom Biksey
Battelle New England Research Laboratory
397 Washington Street
Duxbury, Massachusetts 02332 (617) 934-5682 x40

Visit from San Francisco: At our February meeting it was a pleasure to have Arleen Navarett and Caroline Karp from the Bureau of Water Pollution Control in San Francisco join the meeting. It appears they may be able to attend other meetings on an occasional basis. Any other members from far distances are welcome to attend. Active members are more than willing to help with transportation to and from airports and to provide accommodations if necessary.



Northern Aonides: Jeannette Barreca, a new SCAMIT member from Vancouver, British Columbia has information about Aonides sp. collected off Whidbey Island in Puget Sound. Interested parties please write to:

Jeannette Barreca
2128 Arbutus
Vancouver, British Columbia V6S 3X8
Canada

List of March 5, 1984 Topic Specimens:

AHF 19	<u>Trochochaeta multisetosa</u>
AHF 20	<u>Heterospio catalinensis</u>
Hyp 30	<u>Magelona sacculata</u>
Hyp 31	<u>Poecilochaetus</u> sp. A
LACo 26, PL 39	<u>Magelona</u> sp. (several variable characters noted, currently being researched and will be reported on in future)
PL 40	<u>Magelona sacculata</u>
OC 37, SCCWRP 34	<u>Poecilochaetus johnsoni</u>

Travels with Olga:

Aboard MS Elisabeth Bakke
12 June 1939

Dear Albert: I have already written another letter that you might read, but I thought that you might be interested in a few more details concerning the boat and journey.

Almost immediately from the time that we have left the San Pedro breakwater for the open ocean, we have been going at a good rate of speed, between 15-16 knots an hour. The Elisabeth is a large, fast, mail-carrying vessel, neat and trim, and very modern. She was built in Goteberg in 1937. The power is diesel, and she rides the water very well. We do get a certain amount of roll (side to side movement) and some pitch (fore and aft movement) but the choppiness is not felt.

All of yesterday (Thursday) we were near enough to Mexico to distinguish the rugged coastline, between Manzanillo and Acapulco, but all of today and most of tomorrow land is nowhere in sight. We can sight between 5-10 vessels a day; but for that, civilization does not exist. Our radio can contact only a few Mexican stations, and a lot of short wave, but nothing beyond. It is indeed a strange sensation to be so completely cut off.

It was a peculiar delight and surprise to see the luxury of this boat. Our cabins our modern in every respect. Beds are really comfortable. The large private bathrooms (one for each cabin) have showers and tubs, equipped with hot- and cold- running water- sea- and fresh water.

Everything is installed to resist vibration or unwarranted movement. The portholes, though largely rest-angular, have stout screw catches and hinges. Doors have special sills and fasteners. Tables are screwed down. The walls, at places, have handles for grasping. Lights are firmly attached, never swinging. It is a real pleasure to go about for inspection.

The meals are a great delight, with infinite variety. Cooking is Norwegian. There is always a semi-smorgasbord on the table in addition to numerous hot dishes.



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SCOWRP KEYS TO INVERTEBRATES

Invertebrates of Southern California Coastal Waters Vol. I. Select Groups of Annelids, Arthropods, Echinoderms, and Mollusks. J.Q. Word and D.K. Charwat eds. 1975. ()

Vol. II. Natantia. J.Q. Word and D.K. Charwat. 1976. ()

Price: \$6.00 plus \$2.50 postage each

TOTAL ENCLOSED: \$ _____

Mail to: Ann Martin
 Biology Laboratory
 Hyperion Treatment Plant
 12000 Vista del Mar
 Playa del Rey, Ca. 90291

Trochochaeta multisetosa (Oersted, 1844)

Trochochaetidae

Voucher # AHF 19

March 5, 1984

Literature Cited:

- Hartman, O. 1947, J. Wash. Acad. Sci., Vol. 37; as Disoma franciscanum
Hartman, O. 1969, 'Atlas', Sedentaria
Pettibone, M.H. 1963, U.S.N.M. Bull., 227:310
Pettibone, M.H. 1976, Smith. Contr. Zool., 230:1

Primary Diagnostic Characters:

- 1st parapodia large and directed forward;
- 2nd setiger with thick yellow spines;
- 3rd setiger with dark brown spines;
- post-setal lobes marginally serrated, diminishing after setiger 10;
- emerging abdominal notopodial spines appear stellate;
- ventral papillae 3-4 pair per segment.

Related Species and Character Differences:

Trochochaeta carica

- emerging abdominal notopodial spines arranged in an arc (do not appear stellate);
- ventral abdominal papillae—single pair per segment.

Range:

West Greenland, Faroes, Iceland, Swedish and Danish waters, western Baltic, Gulf of St. Lawrence to Massachusetts, central California, northern Sea of Japan.

Habitat:

subtidal to 740 meters

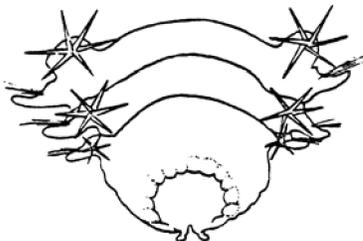


Fig. 1 Pygidium
Hartman, 1969

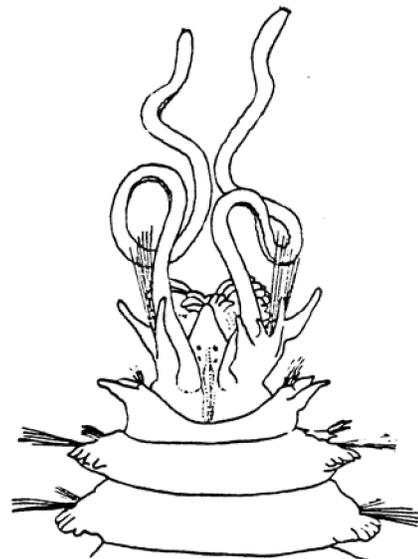


Fig. 2. Anterior
Hartman, 1969

Heterospio catalinensis (Hartman, 1944)

Heterospionidae

Voucher # AHF 20

March 5, 1984

Literature Cited:

- Hartman, O. 1944, Hancock Pac. Exped., 10:322, as Longosoma
Hartman, O. 1965, Allan Hancock Found. Publ. Occ. Pap., 28:163
Hartman, O. 1969, 'Atlas', Sedentaria

Primary Diagnostic Characters:

thorax with short setigers;
abdominal setigers greatly prolonged;
filiform branchia on thoracic setigers;
setae form nearly complete cinctures in abdomen;
first setiger with some acicular setae.

Related Species and Character Differences:

Heterospio longissima

lacks acicular setae in first setiger;
has acicular setae in posterior segments.

Range and Habitat:

Santa Catalina Island in 80 meters in brachiopod-sponge masses; south to
Oceanside in sandy shelf depths

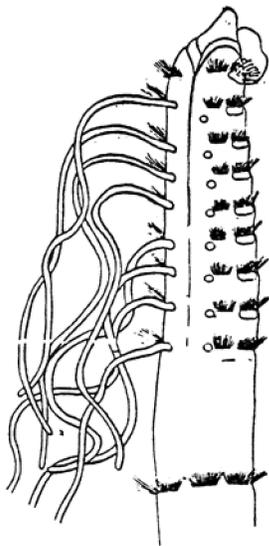


Fig. 1 anterior, H. catalinensis
Hartman, 1944

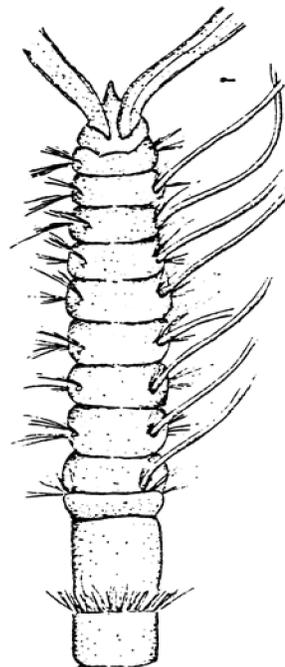


Fig. 2 Ant. H. longissima
Hartman, 1965

Magelona sacculata Hartman, 1961

Magelonidae

Voucher # PL40; Hyp 30

March 5, 1984

Literature Cited:

Hartman, O. 1961, Hancock Pac. Exped., 25:101

Jones, M. L. 1963, Amer. Mus. Nov. 2164:23

Primary Diagnostic Characters:

Prostomium rounded in front and is as wide or wider than long;
modified setae of 9th setiger mucronate;
hooded hooks tridentate.

Related Species and Character Differences:

Magelona riojai

prostomium longer than wide (0.9:1.0)

Range:

Point Conception to the Mexican border

Habitat:

10-40 meters in fine sand or silt

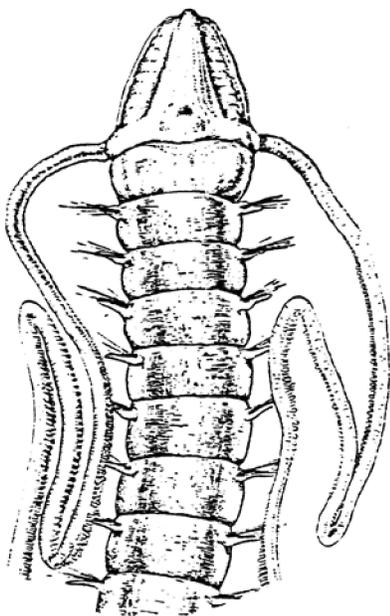


Fig. 1 *Magelona sacculata*

Hartman, 1961

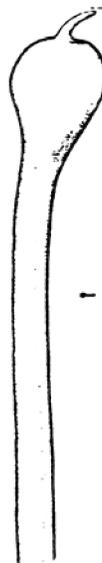


Fig. 2 mucronate seta

Hartman, 1961



Fig. 3 *Magelona riojai*

Jones, 1963