

rec 6/7/84



SOUTHERN CALIFORNIA ASSOCIATION
OF
MARINE INVERTEBRATE TAXONOMISTS

May 1984

Vol. 3, No. 2

Next Meeting: June 11, 1984

Place: Cabrillo Marine Museum
320 Stephen White Drive
San Pedro, CA 90731

Specimen Exchange Group: Nemerteans

Topic Taxonomic Group: Pinnixid Crabs

Literature Request: Bring in literature used to identify
Pinnixid crabs

MINUTES FROM May 14, 1984

Corrections For April Newsletter: The correct volume number is
Vol. 3, No. 1.

Agenda Change: Replace sponges with nemerteans for June exchange/July
topic.

SCAMIT's Annual Picnic: This year's picnic will be held in San Diego.
August 18th and 25th are the dates being considered.

A Scamite Is Born: The wife of SCAMIT President John Shisko gave
birth to a baby girl on May 15, at 3:30 a. m. Little Caroline
weighed in at 8 pounds 8 ounces and was 20 inches long.

Central California Association of Marine Invertebrate Taxonomists:
Taxonomists in central California are forming an organization
similar to SCAMIT. Interested taxonomists should contact:

Arleen Navarret
Bureau of Water Pollution Control
750 Phelps St.
San Francisco, CA 94124

CCAMIT

Taxonomic Library: Many thanks to Mike Martin, former biologist at Hyperion Treatment Plant, and Sue Williams for contributing a large lots of literature to SCAMIT. These contributions will be used to start our new taxonomic library.

Members that submit citation cards for donations of small lots of literature should use the following format typed on a 3" x 5" card:

LAST NAME, INITIAL	YEAR
TITLE OF ARTICLE	
JOURNAL CITATION	
KEY WORD(S)	

Talk on Benthic Surveys Off California by Lissner and Hom of Scientific Applications, Inc. (SAI): Andrew Lissner and Wilson Hom described a computerized directory of benthic samples they developed. The archive data base focuses on areas representing the outer continental shelf of California, down to 60 m. They used a dBase II program that enables users to access six different segments of data: description, method, taxa, station, habitat, and contact agency. A title and short description of future studies will also be included. Both hard copies and software will be available.

They also analyzed the existing data base of benthic surveys off southern and central California to assess spatial and temporal variability within and between major habitats. Replicate requirements were addressed to develop guidelines for future monitoring studies.

List of May 14, 1984 Topic Specimens:

TVG 1F	<u>Leptognathia</u> sp.
OC 38F, LACO 29 G	<u>Silophasma geminatum</u>
TVG 2F	<u>Edotea sublittoralis</u>
PL 41, LACO 27	<u>Gnathia crenulatafrons</u>
LACO 28	<u>Jaeropsis dubia</u>
PL 42	<u>Paracerceis</u> sp.



Travels with Olga:
22 June 1939

Aboard MS Elisabeth Bakke

Dear Folks: Now we are approaching Mona Pass, between Puerto Rico and Santo Domingo. The Caribbean has been rough, as it usually is, compared to the Pacific, but in terms of the navigator's scale, it is moderately smooth. Most of yesterday we were being pitched up and down, and the waves and spray were dashed up over the prow and back onto the top deck. Once we are through Mona Pass, we are out of the tropics and it may be considerably cooler.

The voyage through the canal was very instructive and interesting. We arrived at the Pacific terminal at 2 PM, dropped anchors, hoisted the yellow quarantine flag and ----- (described previously). Capt. Fjartoft had given me a book on the Panama Canal and railroad earlier on the trip, so that I was well primed for the trip. Like most people going through, the lock system and the famous Galliard Cut intrigued me the most. I learned why the Atlantic and Pacific can never mix at that point, and what a profound influence the Chagres River has in the entire procedure. In operation it is exceedingly simple, but there is much complicated machinery involved in it.

At Cristobal we lost our port pilot, our accessory crew, my guests, and took on a passenger going to Norway. She is a Norwegian who has lived 15 years in New York in 25 years in Panama, but still speaks Norwegian perfectly. She gets along very well with our crew, and they converse freely.

The Elisabeth has a crew of 37 men, including the Captain and mates. They are all Norwegian, a few including the head steward and one of his assistants, speak some English. The head engineer also speaks English.

Yesterday the Captain invited us to go on a tour through the holds of the ship and through the engine room. It was amazingly complex and interesting. We crept through narrow, dark passages, went down narrow, steep ladders, entered cold blustering chambers, to the fruit holds, thence to a large hold containing barley, another with canned vegetables. We were shown the large chamber housing the refrigeration plant, traced the ship's ventilation system, examined the complex and immaculate Diesel engines, and followed the propeller shaft all the way to the rear of the ship. That was far below the water line. I now understand why it requires a crew of 37 to operate these boats. One wonders how it can be done even with these.

Our passengers continue to be a hardy lot. We have long since acquired our sea legs. Once you get into the swing of the ship, and offer no resistance to the constant motion, you are hardly aware of it. I suppose it would seem strange to us to be suddenly dropped on terra firma.

We are due in Glasgow on the 2nd of July, and remain there for a week. I shall probably take a trip to Edinburgh in the meantime, returning to the ship before she sails to Liverpool. There we remain for 6 days before going on to Manchester. I may go on earlier to London if the time cannot be profitably utilized.



26 June- During the night we passed through an area which changed our environs. This morning for the first time since leaving San Pedro we have cool (nearly cold) air. The North Atlantic has stirred up a stiff breeze. Our boat takes it rather well. It is in striking contrast to the tropics. Not very far to the north there are icebergs. We do not expect to see any. We are directed towards northwest Ireland, will slip around its northern tip and enter Glasgow from the north. If visibility is good, we may glimpse Londonderry. I am eagerly studying the globe these days, brushing up on names of places and relative positions.

After Glasgow some of our passengers will disperse themselves. One leaves Glasgow for Newcastle-on-the-Tyne, thence to Stavanger, Norway. Some go to Ireland, others to Scotland. I have the longest itinerary amongst the group, but I think also the most interesting.

If you were to hear the wind blow this morning, you would think it winter. It is a strong north-eastern.

Time for ice-cream (11 AM) and I am indulging. Shall be looking for letters at London.



1984-85 Membership Renewal Application

It is time to begin renewing memberships. SCAMIT is beginning its third year in April. You may begin renewing now. Your membership expires 12 months after the date indicated on your mailing lable. Notices will be given to those with expired memberships on the proper month.

Type of Membership:

Participating, \$15.00 per year

Correspondant, \$15.00 per year

Institutional, \$60.00 per year

Name _____

Affiliation _____

Address _____

Phone _____

Area of Expertise _____

Would you like to be on SCAMIT's list of people who do free-lance work? yes _____
no _____

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

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Yellow	()	()	Medium	()	()	()
Tan	()	()	Large	()	()	()
			X-Large	()	Not Available	
			XX-Large	()	Not Available	

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SCCWRP 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

SCAMIT Code: OC 30

Date Examined: September 19, 1983

Synonymy:

Aonides gracilis Tauber, 1879; Levinsenia gracilis Mesnil, 1897; Paraonis (Paraonis) gracilis Cerruti, 1909; Paraonis gracilis Eliason, 1920; Paraonis gracilis gracilis Day, 1963; Paraonis gracilis minuta Hartmann-Schroder, 1965; Paraonis (Paraonides) gracilis Monro, 1930; Paraonis filiformis Hartman, 1953; Paraonis ivanovi Annenkova, 1934; Paraonis (Paraonis) ivanovi Banse and Hobson, 1968.

Literature Cited: (refer to Vol. 2, No. 6)

Lovell, 1977; Hartman, 1969; Strelzov, 1973; Fauchald, 1977.

Diagnostic Characters:

Median antenna absent (fig. 1); 11-15 pairs of branchiae on setigers 5-8, ratio of length to width 4.4-4.9; abdominal neuropodial modified setae thick recurved with a distal fringe on the convex side (fig. 2).

Related Species and Character Differences:

Tauberia oculata (Hartman, 1957) differs by the longer branchiae (ratio 6.0-7.0) and by the absence or poor development of the distal fringe on the modified setae. T. multibranchiata (Hartman, 1957) differs by having 28-36 pairs of branchiae. T. pycnbranchiata (Fauchald, 1972) differs by having 20 pairs of branchiae and modified setae pilose on the convex side.

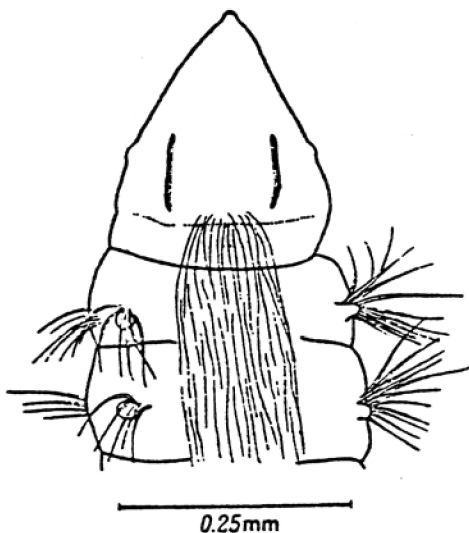


fig. 1
Strelzov, 1973

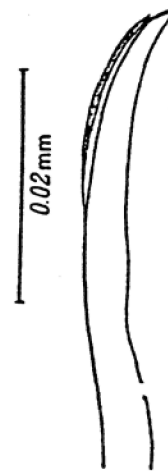
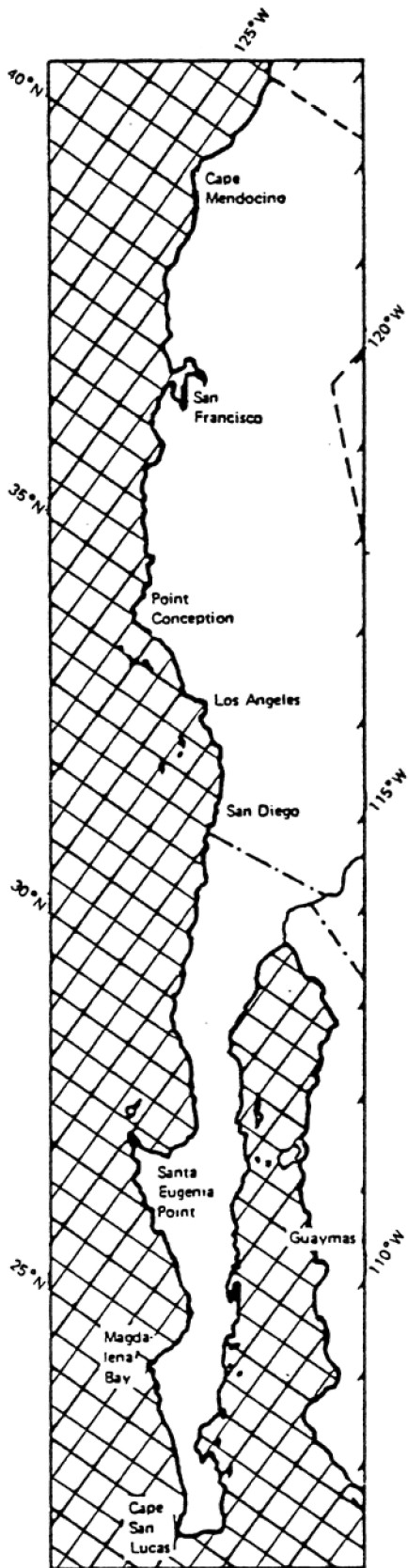


fig. 2
Strelzov, 1973



SCAMIT Code: HYP 27

Date Examined: September 19, 1983

Synonymy:

Aricidea (Allia) ramosa Strelzov, 1973; Aricidea ramosa
Annenkova, 1934; Aricidea ? (Aedicira) ramosa Hartman, 1957;
Aricidea (Aedicira) ramosa Hartman, 1963; Aedicira ramosa
Hartman, 1965b; Aricidea (Aricidea) ramosa Banse and Hobson,
1968.

Literature Cited: (refer to Vol.2, No. 6)

Lovell, 1977; Hartman, 1969; Strelzov, 1973; Fauchald, 1977.

Diagnostic Characters:

Median antenna short multibranched (fig. 1); 13 to 17 pairs of
branchiae; abdominal neuropodial modified setae thick distally
recurved with terminal arista (sometimes broken) (fig. 2).

Related Species and Character Differences:

Allia ramosa differs from other west coast Allia by the
multibranched median antenna.

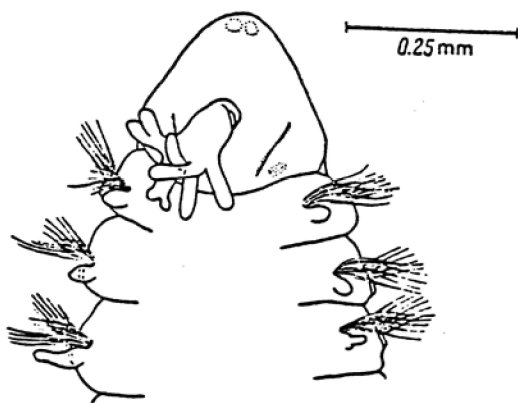


fig. 1
Strelzov, 1973

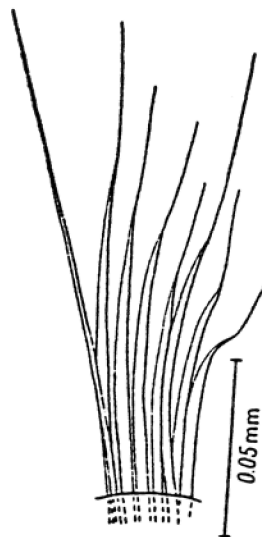
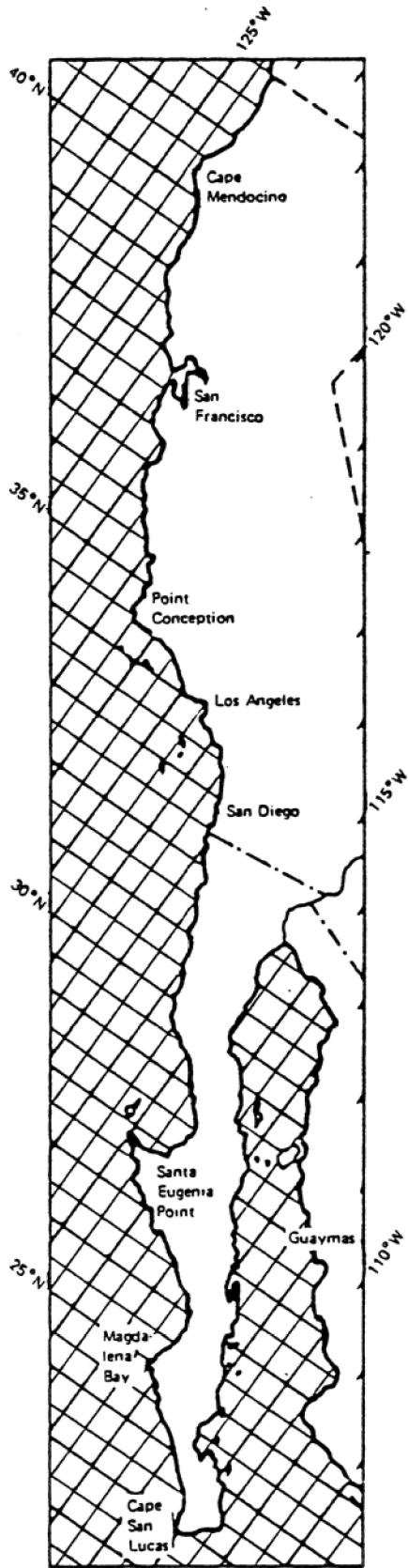


fig. 2
Strelzov, 1973



Acesta simplex (Day, 1963) Fauchald, 1977
Paraonidae

Vol. 3, No. 2

SCAMIT CODE: PL 27

Date Examined: September 19, 1983

Synonymy:

Aricidea (Acesta) simplex Strelzov, 1973; Aricidea suecica
simplex Day, 1963a; Aricidea uschakowi Levenstein, 1966.

Literature Cited: (refer to Vol. 2, No. 6)
Lovell, 1977; Strelzov, 1973; Fauchald, 1977.

Diagnostic Characters:

Median antenna short, club-shaped not extending past prostomium (fig. 1); 12-24 pairs short branchiae; abdominal neuropodial modified setae thick distally recurved alternating with longer capillary setae (fig. 2).

Related Species and Character Differences:

Acesta simplex differs from other west coast Acesta by the shape and arrangement of the modified setae.

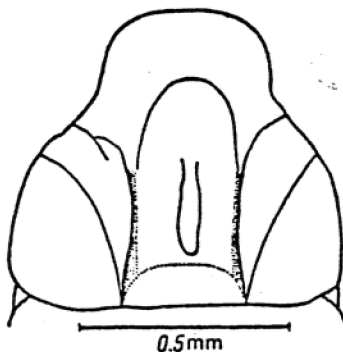


fig. 1
Strelzov, 1973

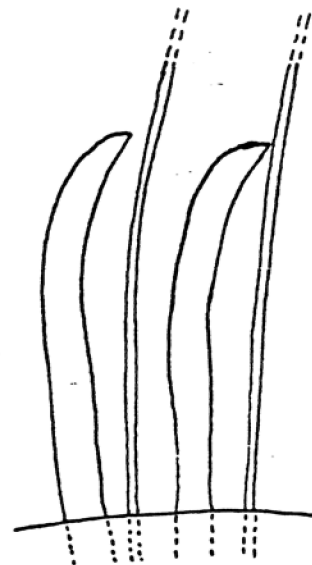
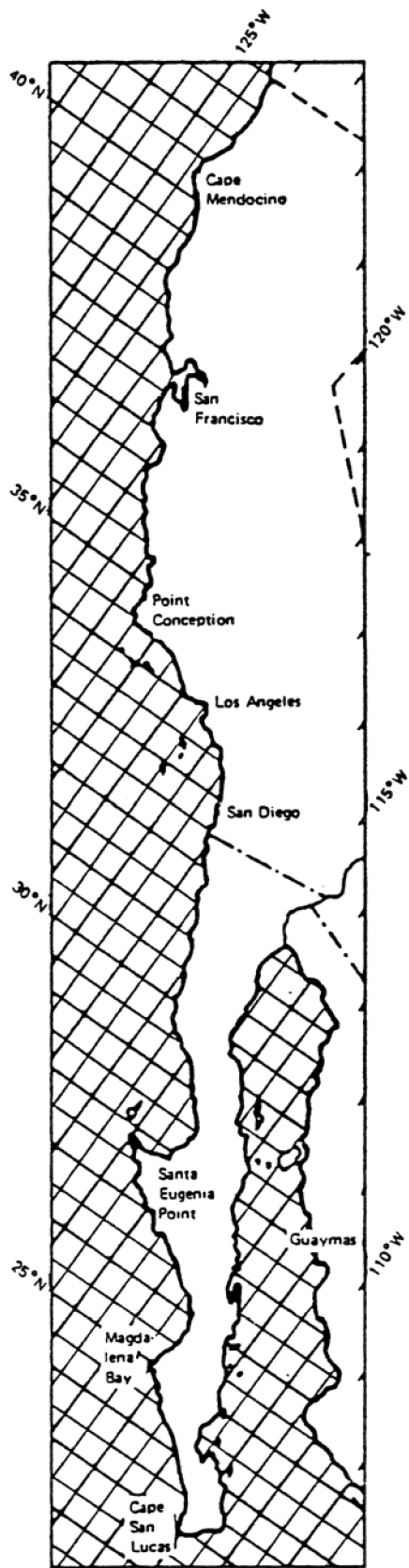


fig. 2
Lovell, 1977



SCAMIT Code: OC 29, SCCWRP 27

Date Examined: September 19, 1983

Synonymy:

Aricidea (Acesta) catherinae Strelzov, 1973; Aricidea catherinae Laubier, 1967a; Aricidea jeffreysii Pettibone, 1963; Aricidea lopezi Hartman, 1963; Aricidea zelenovi Strelzov, 1968.

Literature Cited: (refer to Vol. 2, No. 6)
Lovell, 1977; Strelzov, 1973; Fauchald, 1977.

Diagnostic Characters:

Tapering median antenna extending to setiger 1-3; 8-25 (usually 16-19) pairs of tapering branchiae, posterior pairs elongated with last 1-2 pairs usually shorter (fig. 1); abdominal neuropodia with modified setae, slightly curved with subterminal hood (or tooth) and a terminal spine or arista (sometimes broken) (fig. 2).

Related Species and Character Differences:

Acesta catherinae differs from other west coast Acesta by the shape of the modified setae.

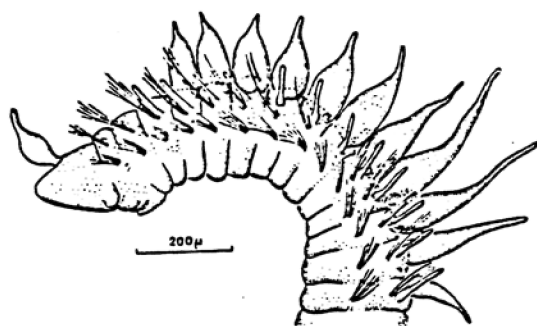
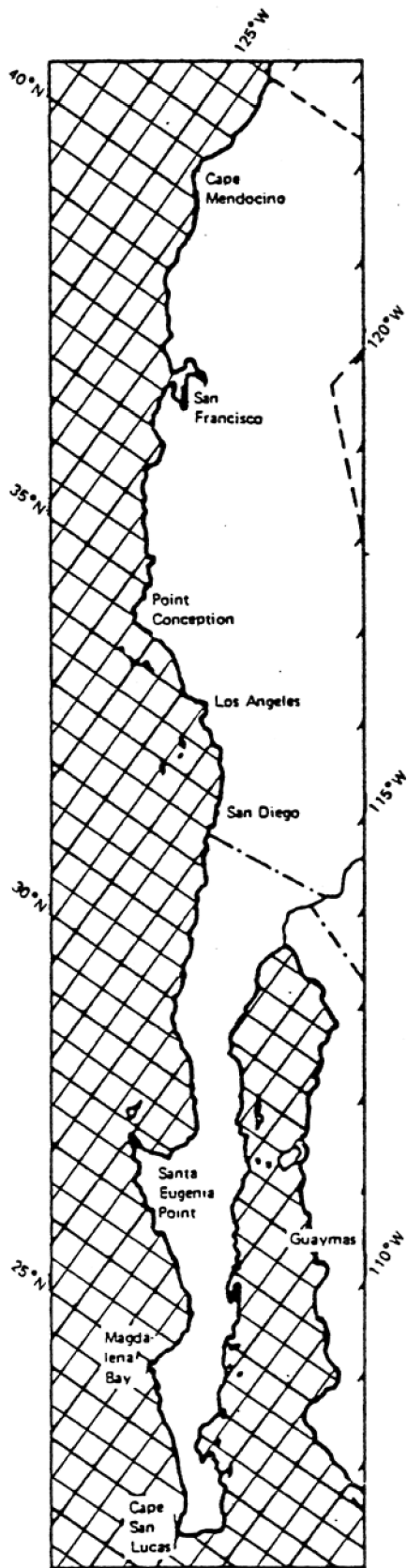


fig. 1
Laubier, 1967



fig. 2
Strelzov, 1973



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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Yellow	()	()	Medium	()	()	()
Tan	()	()	Large	()	()	()
			X-Large	()	---Not Available---	
			XX-Large	()	---Not Available---	

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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

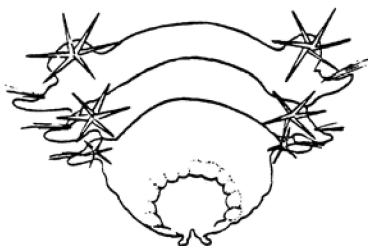


Fig. 1 Pygidium
Hartman, 1969



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

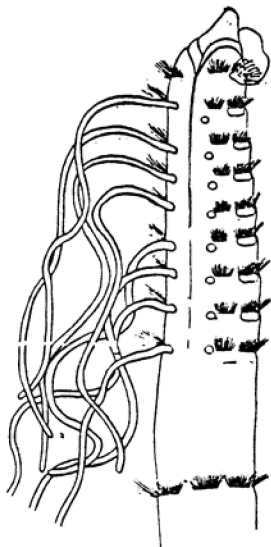


Fig. 1 anterior, H. catalinensis
Hartman, 1944

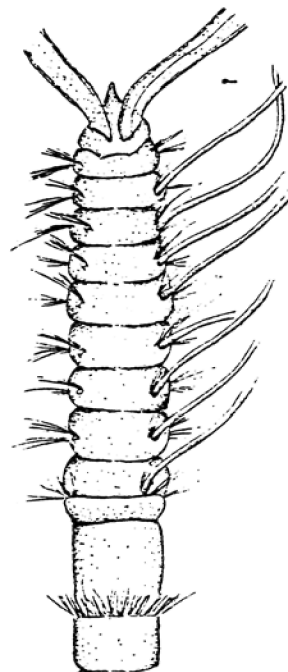


Fig. 2 Ant. H. longissima
Hartman, 1965

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

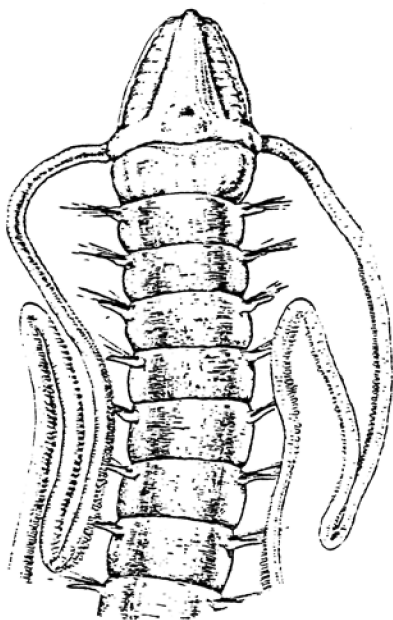


Fig. 1 *Magelona sacculata*

Hartman, 1961

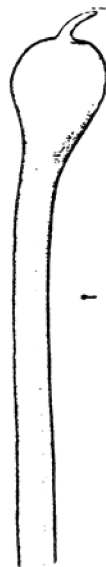


Fig. 2 mucronate seta

Hartman, 1961



Fig. 3 *Magelona riojai*

Jones, 1963