



**Southern California Association of  
Marine Invertebrate Taxonomists**

3720 Stephen White Drive  
San Pedro, California 90731

October, 1992

Vol. 11, No. 6

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**NEXT MEETING:** Amphipod Workshop

**GUEST SPEAKERS:** Dr. E. L. Bousfield of the Royal British Columbia Museum,  
Victoria, British Columbia, Canada

Dr. Craig P. Staude of the Friday Harbor Laboratories,  
University of Washington, Friday Harbor, WA

Dr. Jodi Martin of the Los Angeles Museum of Natural  
History, Los Angeles, CA

**DATE:** November 16 & 17, 1992 (note third Monday & Tuesday)

9:30am - 3:00pm

**LOCATION:** Times Mirror Room  
Los Angeles Museum of Natural History  
Los Angeles, California

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

NOVEMBER 16 & 17 AMPHIPOD WORKSHOP:

The first morning, Dr. Bousfield will present the talk he gave at the J. Laurens Barnard Memorial Service entitled "Impact of J. L. Barnard, past, present, and future on North American Pacific Amphipod Research". The next morning, he will provide a preview of his forthcoming illustrated guide to amphipods of the North American Pacific Coast, Alaska to California, coauthored with Dr. Craig Staude. Dr. Staude will lead the examination of specimens in the afternoon. Dr. Jodi Martin, Los Angeles County Museum of Natural History, will talk about a new amphipod, (*Halice*), from a deep-sea hydrothermal vent on the Eastern Pacific Rise. He will have preserved specimens and video footage of the vent habitat. Included in the newsletter is a letter from Carol Paquette, MBC, informing SCAMIT that the Chinese amphipod species *Corophium heteroceratum* has invaded Long Beach and Los Angeles Harbors. If anyone has this amphipod, please bring it to the meeting. Please bring your problem amphipods and associated literature to the meeting. Drs. Bousfield and Staude will be staying at the University Hilton on Figuero St. Larry Lovell has reserved two extra rooms for SCAMIT members at the University Hilton for \$75 a night (double). If anyone is interested in staying overnight please contact Larry at (619) 945-1608.

MINUTES FROM MEETING ON OCTOBER 19:

SCAMIT will tentatively subcontract with Southern California Coastal Water Research Project (SCCWRP) in the production of a master species list of benthic infauna of the Southern California Shelf. Ron Velarde suggested that SCAMIT form a committee and proposed that one representative from each of the four major dischargers be on that committee. This committee will then meet with SCCWRP to create a more specific proposal to get approved by the U.S. EPA.

Ron Velarde announced papers of interest to members:

Boland, John J. 1992. Enticing the Colossus. John Hopkins Magazine. June: 43-45.

Cosel, Rudo Von 1992. "*Solen rosaceus*" - three species. The Veliger. 35(4): 366-80.

Simmons, John E., 1991. Conservation Problems of Fluid-Preserved Collections. In Nat. Hist. Mus(s):Directions for Growth, Paisely S. Cato and Clyde Jones, Eds. Texas Tech Univ. Press, Lubbock. pp. iv-252.

If anyone is interested in the John Simmons article please contact Diane O'Donohue at:

City of San Diego  
Marine Biology Laboratory  
4077 N. Harbor Dr. M.S.-45A  
San Diego, Ca 92101  
tel. (619) 692-4901

It was also announced that the Water Environment Federation's 66th Annual Conference and Exposition will be held at the Anaheim Convention Center, Anaheim, Ca., on October 3-7, 1993. Included in the newsletter is a list of topics and an address for submitting abstracts.

Don Cadien of the Los Angeles County Sanitation District talked with Dr. Jim Thomas and was informed that Dr. Barnard's former crustacean position at the Smithsonian Museum is still open. It is hoped that this will come to a resolve and the position filled soon.

Don't forget the SCAMIT Christmas party scheduled for Saturday evening, December 5th from 6:00 to 9:00 pm at the Cabrillo Marine Museum. The party is potluck, Italian, style. If you would like to help or have any questions call Larry Lovell at (619) 945-1608. The museum will be open for SCAMIT members and families. Don't forget Santa will be there too!

Cumacean Workshop: Tony Phillips, Hyperion Treatment Plant, chaired the meeting on Diastylidae. Tony began the meeting by stating that Dr. Les Watling has described 12 new species and is working on another 7 within the family. Many of these species are SCAMIT provisionals. These species will be published in the MMS/Santa Maria Taxonomic Atlas. Due to delays, Tony will present a key on Diastylids and vouchers in the next newsletter. At the meeting he circulated a copy of the Cumacean Newsletter. If anyone is interested in subscribing to the newsletter write:

Invertebrate Zoology Section  
Gulf Coast Research Lab.  
PO Box 7000  
Ocean Springs, Mississippi 39564-7000  
USA  
tel (601) 374-5552 FAX (601) 374-5559



He also circulated an informative book entitled:

Crustaceorum Catalogus  
editus a  
H. E. Gruner et L.B. Holthuis  
Pars 8  
Mihai Bacescu Cumacea II  
SPB Academic Publishing 1992  
(Fam. Nannastacidae, Diastylidae, Pseudocumatidae,  
Gynodiastylidae et Ceratocumatidae)

FUTURE MEETINGS:

The December 14 meeting will include discussions of Polycirrinae Terebellid Polychaetes by Leslie Harris of the Los Angeles County Museum of Natural History, and a talk with slides entitled "Blue Water Plankton" by Dr. Bill Hamner of the University of California, Los Angeles. The meeting will be held at the Allan Hancock Foundation Room B-55, University of Southern California, Los Angeles, Ca.

The meeting on Anthurid Isopods with Dr. Rick Brusca of the San Diego Natural History Museum and Don Cadien of the Los Angeles County Sanitation District originally planned for January has been postponed due to scheduling conflicts with a museum collecting expedition. It has been rescheduled for June, 1993. Instead, January 11, 1993 will be devoted on working on the master species list for SCCWRP and listing and resolving what to do with SCAMIT duplicate literature. It will be held at the Cabrillo Marine Museum, San Pedro, California.

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

27 October 1992



Ron Velarde  
Marine Biology Laboratory  
City of San Diego Water Utilities Department  
Metro Wastewater Division  
4077 N. Harbor Drive  
San Diego, California 92101

Dear Ron:

The following information on a species of amphipod recently introduced into harbors in southern California may be of interest to SCAMIT members. John Chapman replied quickly to my letter to him requesting information, so I will be sending him a thank-you note and some specimens soon. He also sent me two reprints: his 1988 paper *Invasions of the Northeast Pacific by Asian and Atlantic Gammaridean Amphipod Crustaceans, including a New Species of Corophium*, *J. Crustacean Biology*, 8(3):364-382; and Chapman and J. T. Carlton's 1991 paper *A Test of Criteria for Introduced Species: the Global Invasion by the Isopod *Synidotea laevidorsalis* (Miers, 1881)*, *J. Crustacean Biology*, 11(3):386-400. I can make a limited number of copies of either of these two.

SCAMIT members may be interested in knowing that the Chinese amphipod species *Corophium heteroceratum* has invaded Long Beach and Los Angeles Harbors. I recently wrote to John Chapman at the Hatfield Marine Science Center in Newport, Oregon, concerning what I suspected was this species in samples collected from Long Beach Harbor since 1990 and from Los Angeles Harbor in 1991. He confirmed that *C. heteroceratum* has invaded the West Coast, having been found in San Francisco Bay, occasionally in very dense concentrations. Faith Cole has been working on illustrating this species. The original description is in S. C. Yu's 1938 paper on two species of *Corophium* from Tangku, China. *C. heteroceratum* is a large species and can be distinguished from all other known *Corophium* species by the dorso-medial tooth on the first article of the male antenna 1 and by the sharp edge of the anterior end of article 4 of the male antenna 2 (it belongs to the group of *Corophium* with slender, non-geniculate mandibular palp).

Another introduced species of *Corophium*, *C. alienensis*, whose origin is unknown, and *Ampelisca abdita* from the East Coast have also been found in San Francisco Bay (*A. abdita* has also been found in nearby Tomales Bay and Bolinas Lagoon). (Note: *A. abdita* was erroneously recorded as *Photis californica* in the SERL [Sanitary Engineering Research Laboratory, University of California] surveys of San Francisco Bay in 1961 and 1962.) So far, these species have not been recorded from southern California, but we should be on the lookout for them. I would like to hear about occurrences in southern California other than in Long Beach/Los Angeles Harbors.

I hope that this is in a useable form for the newsletter. Let me know if you have questions on any points which may be pertinent but I didn't cover.

Cordially,

**MBC Applied Environmental Sciences**

A handwritten signature in cursive script that reads 'Carol'.

Carol L. Paquette, Project Scientist

CLP/vw

## CALL FOR ABSTRACTS

The Water Environment Federation (WEF) Program Committee is soliciting abstracts for the Surface Water Quality and Ecology Symposium and related sessions "Coastal Water Quality Issues" and "Environmental Monitoring & Assessment" for the 1993 Water Environment Federation Annual Conference in Anaheim, California, October 2-7, 1993.

Individuals are encouraged to submit abstracts to address this important and expanding focus of the Federation. Papers covering the following topics are especially encouraged:

- Urban & Agricultural Nonpoint Source Impacts and Controls
- Waste Disposal Effects on Estuaries and Coastal Areas
- Nutrient Problems and Eutrophication
- Ecological Risk Assessment
- Water Quality Impacts of Air Emissions
- Stormwater Impacts
- River and Lake Management
- Water Quality Monitoring
- Water Quality Modeling
- Fate & Transport Modeling of Toxics
- Toxicity Reduction Evaluations
- Sediment Quality Criteria
- Evaluation of Cumulative Impacts
- Regional Planning
- Criteria and Standards for Water Quality
- Freshwater & Marine Water Quality and Ecosystem Issues
- Bioassessment and Rapid Bioassessment Protocols
- Biocriteria

The deadline for submission of abstracts is **January 8, 1993**. Authors will be notified of tentative selection of abstracts by May 1; final acceptance of papers is contingent on submission of a **full manuscript** of the selected abstract by July 15, 1993.

Submit abstracts to :



Water Environment Federation  
Attn: Maureen Novotne  
601 Wythe Street  
Alexandria, VA 22314-1994

For additional information and submittal forms, call Maureen Novotne, WEF Technical & Educational Services, at (703)684-2400, x7450.