Southern California Association of Marine Invertebrate Taxonomists

3720 Stephen White Drive
San Pedro, California 90731

May, 1991 Vol. 10, No. 1

NEXT MEETING: Organization of SCAMIT Literature Library

GUEST SPEAKER: NONE

DATE: Monday, June 17, 1991 @9:30AM
Note this is the third Monday of the month.

LOCATION: Cabrillo Marine Museum
San Pedro, CA

At the June 17th meeting we will be cataloging and shelving literature from the SCAMIT reference library. Please plan on attending and help get the library in order. This is a good opportunity for everyone to get involved.

MINUTES FROM MEETING ON May 13 & 14, 1991

Bryozoan Workshop: Dr. Bill Banta of the American University in Washington D.C. hosted a very informative workshop. He began by explaining that Bryozoans have a rich and abundant fossil record with marine deposits have been dating back to the Cenozoic era. Freshwater forms have a more recent fossil history dating back to only the Ordovician period. They are so abundant that, for example, a large part of Florida is built on Bryozoan fossils.

He discussed three major groups of Bryozoans:

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1) **Ctenostomes** are characterized by having a setigerous collar, an uncalacified body wall, and no operculum. Common genera include Alcyonidium, Victorella, and Bowerbankia. This group also includes Clavopora, which is known to occur on soft bottoms.

2) **Stenolaemate** (=Cyclosomata in Osburn, 1953) are identified as having calcified body walls, no operculum, circular zooid (in cross-section), and the solitary zooid's outer surfaces appears perforated (pitted). This group includes the following genera: Stomatopora, Nolella, Flustrellidra, Crisia, Lichenopora, and Tubulipora.

3) **Cheilostomates** have opercula, calcified body walls, and the individual zooid are not circular in cross-section. This group is further subdivided into Anasca (front uncalcified) and Ascophora (front calcified). Anasca genera include Membranipora, Thalamoporella, Scrupocellaria, Bugula, Lyrula, and Pueillina. Ascophora genera include Murconella, Parasmittina, Rhynchozoon, Porella, Costazia, and Lagenipora.

Dr. Banta demonstrated that to best understand Bryozoan taxonomy you must first understand their morphology and colonial growth patterns. To this end he is preparing a packet of information that will be made available upon request to SCAMIT members at a future date. The best reference for identifying Pacific coast Bryzoans is Osburn, 1953 (Bryozoa of the Pacific Coast of America. Alan Hancock Pacific Expeditions. 14(1-3):1-841).

New publication(s): Hans Kuck of LACMNH announces a new publication of interest to SCAMIT members:

Wetzer, R., H. G. Kuck, P. Baez R., R. C. Brusca, And L. M. Jarkevics. 1991. Catalog of the Isopod Crustacea type collection of the Natural History Museum of Los Angeles County. Natural History Museum of Los Angeles County Technical Reports, No. 3, 59 pgs.

For copies contact:
Hans Kuck
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EXECUTIVE SUMMARY OF SCAMIT ACTIVITIES 1990-1991

SCAMIT had another full year of activities in 1990-1991. Three events which all occurred in December 1990 deserve special mention. Larry Lovell represented SCAMIT at the EPA workshop on Biological Criteria: Research and Regulations, presenting the poster entitled "Regional Standardization of Taxonomy: The Southern California Association of Marine Invertebrate Taxonomists (SCAMIT)". At the amphipod workshop meeting, SCAMIT presented Dr. J.L. Barnard with a plaque in appreciation for his years of help with amphipod taxonomy. And finally, probably the most important event of 1990-1991 was the publication of the first formal description of a SCAMIT provisional species. Jim Roney described Ampelisca brachycladus (Ampelisca sp. A of SCAMIT).

Highlights of 1990-1991

May	Review of groups to look at in 1990-1991 and organization of SCAMIT literature library (CMM)
June	Don Cadien reviewed Nassarius (CMM)
July	John Ljubenkov reviewed Hydrozoa (MEC)
August	John Ljubenkov discussed etymology (CMM) SCAMIT picnic
September	Ross Duggan reviewed scaleworms (AHF)
October	Helen DuShane reviewed Epitoniidae (LACMNH)
November	Ron Velarde reviewed Hesionidae (AHF)
December	Amphipod Workshop with Dr. J.L. Barnard and James Thomas (LACMNH) Larry Lovell attended EPA Workshop Ampelisca brachycladus described by Jim Roney SCAMIT Christmas party with Dr. J.L. Barnard as Santa (CMM)
January	John Ljubenkov and Tony Phillips reviewed flatworms (CMM)
February	Larry Lovell reviewed Spionidae (non-polydorid) Dr. James Blake attended (Larry Lovell's home)
March	Paul Scott reviewed Nuculanidae (SBMNH)
April	Tony Phillips reviewed Tharyx (AHF)

At this time, I want to thank all of the people and institutions listed above who made the 1990-1991 year of SCAMIT activities a success. I especially want to thank my fellow officers, Larry Lovell, Ross Duggan, and Ann Martin, for all of their help. Any organization which relies on volunteer manpower is only as good as the people who volunteer their time and efforts. We are lucky in that we have a core of people who continue to give freely of their time and efforts to make SCAMIT successful. However, SCAMIT can be made even better if even more people would get involved.

The purpose of SCAMIT is to develop standard procedures in systematic practices and taxonomic usage for marine invertebrates in the southern California region. In the early years, this was accomplished by the exchange of specimens between the members to calibrate everyone within SCAMIT of the more common invertebrates found in our programs. We then moved on to the descriptions of provisional species and how they differed from the "known" species occurring in southern California. These descriptions give us a working format to report these new species. However, the next step is to get these species formally described in the published literature. As we begin the 10th year of SCAMIT, I hope that this will become the major emphasis of SCAMIT and its members.

Ronald S. Velarde

President

1990-1991 Treasurer's Report:

Expenses	
Newsletter	$2,112.95
Grants	1,527.50
EPA Conference	862.67
Miscellaneous	380.43
	$4,883.55
Income	
Membership dues	$1,125.00
Interest	402.44
Other	109.00
T-shirts	50.00
	$1,686.44
Account balance(March 31, 1991)	
Savings	$6,221.40
Checking	709.74
	$6,931.14

List of Members: Included in this months newsletter is the current list of members of SCAMIT. Individuals who are interested in doing taxonomic consulting are noted and their specialty listed. If there are any corrections and/or additions to this list please contact:

Ann Martin
Hyperion Treatment Plant
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If you need any other information concerning SCAMIT please feel free to contact any of our officers:

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Vice-President	Larry Lovell	(619)945-1608
Secretary	Kelvin Barwick	(619)226-8175
Treasurer	Ann Martin	(213)648-5317

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The Families and Genera of the Marine Gammaridean Amphipoda (Except Marine Gammaroids)

J. LAURENS BARNARD AND GORDAN S. KARAMAN

Since the publication of Barnard's first handbook in 1969 on the families and genera of marine gammaridean amphipods, the number of families has nearly doubled from 54 to 91, the number of genera has increased from 670 to 1055 and the number of species from 3300 to 5733. The extraordinary growth in amphipod systematics, partly prompted by Barnard's handbook, has led to this new essential two volume set on the same subject by Barnard and Karaman, to be published as Records of the Australian Museum, Supplement 13 (Parts 1 and 2), and issued in August 1991.

The main features of the book are:

* New keys and diagnoses to all families and genera.
* 133 plates of illustrations.
* Lists of all species included for each genus, with their distributions.
* Taxa at all levels arranged in alphabetical order for convenience.

The book forms a companion to the "Freshwater Amphipoda of the World" by Barnard & Barnard, 1983 which treated all freshwater gammarideans and all marine Gammaroidea. None of that material is repeated in this book, but the family keys are constructed to contain all marine components.

THE AUTHORS

J.L. Barnard is a curator of invertebrate zoology at the National Museum of Natural History in Washington, D.C. He has collected amphipods all over the world and written over 200 papers on amphipod taxonomy including major regional monographs on the amphipods of Southern California, Hawaii, New Zealand and Australia.

G.S. Karaman is a senior scientist at the Institute of Freshwater Research in Titograd, Yugoslavia. He comes from a long line of scientists and like his father has specialised in freshwater amphipods, publishing several hundred papers on the niphargids of eastern Europe.

See over for order coupon

ORDER COUPON - for pre-publication orders

Quantity	Title	Price	Subtotal
	Barnard, J.L. & G.S. Karaman, 1991. The families and genera of marine gammaridean Amphipoda (except marine gammaroids). Records of the Australian Museum, Supplement 13 (Parts 1 and 2).	$A100 per set ($A120 after August 1, 1991)	
		Postage and handling	$A20
		TOTAL (PLEASE PAY IN AUSTRALIAN DOLLARS)	

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