PSAMMONALIA

The Newsletter of the **International Association of Meiobenthologists**

Number 147, November 2006

Composed and Printed at: Department of Marine Science Coastal Carolina University Conway, South Carolina 29528 USA





That time of year already?!

Happy Holidays!



1

The International Association of Meiobenthologists Executive Committee

Keith WaltersDept. of Marine Science, Coastal Carolina University, POBChairperson261954, Conway, SC 29528-6054 USA [kwalt@coastal.edu]John LambsheadThe Natural History Museum, Department of Zoology,Past ChairpersonCromwell Road, London SW7 5BD UKAnn VanreuselLab Morphologie, Universiteit Gent, Ladengancjstraat 35,TreasurerB-9000 Gent, Belgium [ann.vanreusel@UGent.be]Robert FellerBaruch Institute for Marine Science, University of SouthAssistant TreasurerCarolina, Columbia SC 29208 USA [feller@sc.edu]Thais-N CorbisierUniversidade de Sau Paulo, Instituto Oceanografico, 191(term expires 2007)Cidade Universiaria, Sau Paulo, 05508-900, BrazilAntonio TodaroDipartimento di Biologia Animale, Univeristy di Modena e(term expires 2007)Louisiana State University, Baton Rouge LA 70803 USAEmil OlafssonMenntun Consultoría, c/Cava Alta 9, 2°C, Madrid 28005(term expires 2010)Spain						
John LambsheadThe Natural History Museum, Department of Zoology, Cromwell Road, London SW7 5BD UKAnn VanreuselLab Morphologie, Universiteit Gent, Ladengancjstraat 35, B-9000 Gent, Belgium [ann.vanreusel@UGent.be]Robert FellerBaruch Institute for Marine Science, University of South Carolina, Columbia SC 29208 USA [feller@sc.edu]Thais-N CorbisierUniversidade de Sau Paulo, Instituto Oceanografico, 191 Cidade Universiaria, Sau Paulo, 05508-900, BrazilAntonio TodaroDipartimento di Biologia Animale, University di Modena e Reggio Emilia, Via Campi 213/d, I-41100 Modena, ItalyKevin CarmanDepartment of Biology, A103 Life Sciences Annex, Louisiana State University, Baton Rouge LA 70803 USAEmil OlafssonMenntun Consultoría, c/Cava Alta 9, 2°C, Madrid 28005	Keith Walters	Dept. of Marine Science, Coastal Carolina University, POB				
Past ChairpersonCromwell Road, London SW7 5BD UKAnn VanreuselLab Morphologie, Universiteit Gent, Ladengancjstraat 35,TreasurerB-9000 Gent, Belgium [ann.vanreusel@UGent.be]Robert FellerBaruch Institute for Marine Science, University of SouthAssistant TreasurerCarolina, Columbia SC 29208 USA [feller@sc.edu]Thais-N CorbisierUniversidade de Sau Paulo, Instituto Oceanografico, 191(term expires 2007)Cidade Universiaria, Sau Paulo, 05508-900, BrazilAntonio TodaroDipartimento di Biologia Animale, Univeristy di Modena e(term expires 2007)Reggio Emilia, Via Campi 213/d, I-41100 Modena, ItalyKevin CarmanDepartment of Biology, A103 Life Sciences Annex,(term expires 2010)Louisiana State University, Baton Rouge LA 70803 USAEmil OlafssonMenntun Consultoría, c/Cava Alta 9, 2°C, Madrid 28005	Chairperson	261954, Conway, SC 29528-6054 USA [kwalt@coastal.edu]				
Ann VanreuselLab Morphologie, Universiteit Gent, Ladengancjstraat 35,TreasurerB-9000 Gent, Belgium [ann.vanreusel@UGent.be]Robert FellerBaruch Institute for Marine Science, University of SouthAssistant TreasurerCarolina, Columbia SC 29208 USA [feller@sc.edu]Thais-N CorbisierUniversidade de Sau Paulo, Instituto Oceanografico, 191(term expires 2007)Cidade Universiaria, Sau Paulo, 05508-900, BrazilAntonio TodaroDipartimento di Biologia Animale, University di Modena e(term expires 2007)Reggio Emilia, Via Campi 213/d, I-41100 Modena, ItalyKevin CarmanDepartment of Biology, A103 Life Sciences Annex,(term expires 2010)Louisiana State University, Baton Rouge LA 70803 USAEmil OlafssonMenntun Consultoría, c/Cava Alta 9, 2°C, Madrid 28005	John Lambshead	The Natural History Museum, Department of Zoology,				
TreasurerB-9000 Gent, Belgium [ann.vanreusel@UGent.be]Robert FellerBaruch Institute for Marine Science, University of South Carolina, Columbia SC 29208 USA [feller@sc.edu]Thais-N CorbisierUniversidade de Sau Paulo, Instituto Oceanografico, 191 Cidade Universiaria, Sau Paulo, 05508-900, BrazilAntonio TodaroDipartimento di Biologia Animale, University di Modena e Reggio Emilia, Via Campi 213/d, I-41100 Modena, ItalyKevin CarmanDepartment of Biology, A103 Life Sciences Annex, Louisiana State University, Baton Rouge LA 70803 USAEmil OlafssonMenntun Consultoría, c/Cava Alta 9, 2°C, Madrid 28005	Past Chairperson	Cromwell Road, London SW7 5BD UK				
Robert FellerBaruch Institute for Marine Science, University of SouthAssistant TreasurerCarolina, Columbia SC 29208 USA [feller@sc.edu]Thais-N CorbisierUniversidade de Sau Paulo, Instituto Oceanografico, 191(term expires 2007)Cidade Universiaria, Sau Paulo, 05508-900, BrazilAntonio TodaroDipartimento di Biologia Animale, Univeristy di Modena e(term expires 2007)Reggio Emilia, Via Campi 213/d, I-41100 Modena, ItalyKevin CarmanDepartment of Biology, A103 Life Sciences Annex,(term expires 2010)Louisiana State University, Baton Rouge LA 70803 USAEmil OlafssonMenntun Consultoría, c/Cava Alta 9, 2°C, Madrid 28005	Ann Vanreusel	Lab Morphologie, Universiteit Gent, Ladengancjstraat 35,				
Assistant TreasurerCarolina, Columbia SC 29208 USA [feller@sc.edu]Thais-N CorbisierUniversidade de Sau Paulo, Instituto Oceanografico, 191(term expires 2007)Cidade Universiaria, Sau Paulo, 05508-900, BrazilAntonio TodaroDipartimento di Biologia Animale, Univeristy di Modena e(term expires 2007)Reggio Emilia, Via Campi 213/d, I-41100 Modena, ItalyKevin CarmanDepartment of Biology, A103 Life Sciences Annex,(term expires 2010)Louisiana State University, Baton Rouge LA 70803 USAEmil OlafssonMenntun Consultoría, c/Cava Alta 9, 2°C, Madrid 28005	Treasurer	B-9000 Gent, Belgium [ann.vanreusel@UGent.be]				
Thais-N CorbisierUniversidade de Sau Paulo, Instituto Oceanografico, 191(term expires 2007)Cidade Universiaria, Sau Paulo, 05508-900, BrazilAntonio TodaroDipartimento di Biologia Animale, Univeristy di Modena e(term expires 2007)Reggio Emilia, Via Campi 213/d, I-41100 Modena, ItalyKevin CarmanDepartment of Biology, A103 Life Sciences Annex,(term expires 2010)Louisiana State University, Baton Rouge LA 70803 USAEmil OlafssonMenntun Consultoría, c/Cava Alta 9, 2°C, Madrid 28005	Robert Feller	Baruch Institute for Marine Science, University of South				
(term expires 2007)Cidade Universiaria, Sau Paulo, 05508-900, BrazilAntonio Todaro (term expires 2007)Dipartimento di Biologia Animale, Univeristy di Modena e Reggio Emilia, Via Campi 213/d, I-41100 Modena, ItalyKevin Carman (term expires 2010)Department of Biology, A103 Life Sciences Annex, Louisiana State University, Baton Rouge LA 70803 USAEmil OlafssonMenntun Consultoría, c/Cava Alta 9, 2°C, Madrid 28005	Assistant Treasurer	Carolina, Columbia SC 29208 USA [feller@sc.edu]				
Antonio Todaro (term expires 2007)Dipartimento di Biologia Animale, Univeristy di Modena e Reggio Emilia, Via Campi 213/d, I-41100 Modena, ItalyKevin Carman (term expires 2010)Department of Biology, A103 Life Sciences Annex, Louisiana State University, Baton Rouge LA 70803 USAEmil OlafssonMenntun Consultoría, c/Cava Alta 9, 2°C, Madrid 28005	Thais-N Corbisier	Universidade de Sau Paulo, Instituto Oceanografico, 191				
(term expires 2007)Reggio Emilia, Via Campi 213/d, I-41100 Modena, ItalyKevin Carman (term expires 2010)Department of Biology, A103 Life Sciences Annex, Louisiana State University, Baton Rouge LA 70803 USAEmil OlafssonMenntun Consultoría, c/Cava Alta 9, 2°C, Madrid 28005	(term expires 2007)	Cidade Universiaria, Sau Paulo, 05508-900, Brazil				
Kevin CarmanDepartment of Biology, A103 Life Sciences Annex, Louisiana State University, Baton Rouge LA 70803 USAEmil OlafssonMenntun Consultoría, c/Cava Alta 9, 2°C, Madrid 28005	Antonio Todaro	Dipartimento di Biologia Animale, Univeristy di Modena e				
(term expires 2010)Louisiana State University, Baton Rouge LA 70803 USAEmil OlafssonMenntun Consultoría, c/Cava Alta 9, 2°C, Madrid 28005	(term expires 2007)	Reggio Emilia, Via Campi 213/d, I-41100 Modena, Italy				
Emil OlafssonMenntun Consultoría, c/Cava Alta 9, 2ºC, Madrid 28005	Kevin Carman	Department of Biology, A103 Life Sciences Annex,				
	(term expires 2010)	Louisiana State University, Baton Rouge LA 70803 USA				
(term expires 2010) Spain	Emil Olafsson	Menntun Consultoría, c/Cava Alta 9, 2°C, Madrid 28005				
	(term expires 2010)	Spain				

Ex-Officio Executive Committee (Past Chairpersons)

1966-67	Robert Higgins	1982-83	Carlo Heip
	Founding Editor		
1968-69	W. Duane Hope	1984-86	Olav Giere
1970-71	John Gray	1987-89	John Fleeger
1972-73	Wilfried Westheide	1990-92	Richard Warwick
1974-75	Bruce Coull	1993-95	Paul Montagna
1976-77	Jeanne Renaud-Mornant	1996-98	Magda Vincx
1978-79	William Hummon	1999-2001	Yoshihisa Shirayama
1980-81	Robert Higgins	2002-04	John Lambshead

Board of Correspondents

Jeffrey Baguley	University of Nevada, Reno, Department of Biology,		
	Mailstop 314, Reno, NV 89557		
Janet Gwyther	School of Ecology & Environment, Deakin University,		
	Geelong 3217 Australia		
Lara Arroyo	Menntun Consultoría Científica S.L., c/Cava Alta 9, 2ºC		
	Madrid 28005 Spain		
Jyotsna Sharma	Department of Biology, University of Texas at San Antonio,		
	6900 North Loop 1604 West, San Antonio, TX 78249-0661		

Editorial

The seasons turn and with frost dusting the Myrtle Beach palmettos we come to the last four per year issue of *Psammonalia*. Next year begins our new twice per year publication schedule and, consistent with the typical January 1 change in chairperson every 3 yrs., *Psammonalia* will be distributed in early and mid-year (ca. January and June). All past issues, with some exceptions, can be found on our website at: www.meiofauna.org/psammona.html

Speaking of our website, look for the new and improved version early in The IAM website is the New Year. undergoing a major face-lift being redesigned and reprogrammed so that it is more user-friendly, loads faster, and contains some of the latest bells and whistles to facilitate maintenance and provide critical information (e.g., an online. updatable and searchable membership listing). The template for the site currently is undergoing review by members of the Executive Committee and Board of Correspondents with completion of all pages and testing of links, etc. scheduled to be finished in early January.

CHECK IT OUT! Paulo Santos and the Organizing Committee have provided updated information on our July 2007 conference, THRIMCO. A general schedule and registration form follows with more information including pre- and post-meeting tour packages located on the website at:

www.ufpe.br/thirimco

On a more philosophical note, I was sitting in the open faculty meeting for CCU's last presidential candidate the other day listening to his comments and it struck me what he said. Roughly paraphrased, he stated that CCU faculty were at the limit of their effective accomplishments. He lamented that the 64% increase in the student population experienced over the past 5 yrs. without a proportional increase in facilities and personnel combined with the typical CCU faculty load (e.g., 4 semester, 50 +student classes а advisees, publishing 1 scholarly paper a year, service and outreach to the local community) all were beginning to take a toll. Now, while I might debate whether CCU faculty as a whole were yoked to the same expectations, I can not gainsay that there is a general, pervasive sense of being "over-worked" not only among my colleagues but also among the US public in general. North Americans can be notorious workaholics, but even we seem to be feeling the pressure these Where is this coming from? davs. Wasn't technology supposed to free us all from the 9 to 5, 40 hr. work week and provide us more leisure? Now I the French hear that are even considering increasing the number of hours in their very civilized work week. What's happened? Are our personal expectations (e.g., 2 SUV's in the garage, kid's days totally scripted from classes to soccer to ballet to...) filling the technological gains in work efficiency? I think not! Instead, more work seems to be filling any time gained by increases in productivity. Instead of added time to relax and enjoy a world drowning under more widgets and CO_2 , we instead are expected to use the time

to produce more "stuff." Where is the logic in that? I bring this up not solely as a philosophical musing designed to fill space, but for a very real reason: THIRIMCO approaches along with the demands to prepare talks/posters and find travel funds for ourselves and our students. THIRIMCO will be the second international conference, not to mention national and local meetings, I will try to attend in <12 mo. In an environment where time is the limiting commodity, what criteria should one use to determine which meetings to attend? IAM seemingly has moved beyond the "loose affiliation of colleagues" as originally conceived and the triennial conferences represent unique а opportunity with to interact an international collection of colleagues all focused on an insanely diverse group of organisms. Even so, are there ways to increase the reasons for attending our triennial meetings? Can we make our conference the one to attend without increasing stress levels? I for one am looking forward to 29 July to 3 August and just hope, given the inexorable demands of modern-day living, I make it through the next 6 mos.

Here's hoping everyone has a great holiday season!

Cheers, Keith

THIRIMCO



Dear meiobenthologists,

Please look at the Thirimco home-page <u>http://www.ufpe.br/thirimco</u> for more details about the Conference, to get forms and instructions for Abstract submission (deadline is May 1st 2007) and to find contacts for pre- or post-conference tourism packages (see: Location – Visiting Brazil).

Waiting to see you in Brazil!

Best wishes,

The Organizing Committee

See copy of registration form at end of newsletter!

CONFERENCE PROGRAM				
Scientific Agenda and Social Events				
Sundau	10.00	Provision		

Sunday	10:00 -	Registration
29 July	15:00 h	Recife Palace
		Hotel
Sunday	15:30 -	Welcome, Olinda
29 July	22:30 h	Tour, Dinner
Monday	08:00 -	Oral Sessions
30 July	18:00 h	Recife Palace
Tuesday	08:00 -	Oral Sessions
31 July	18:00 h	Recife Palace
Wednesday	08:00 -	Oral Sessions
1 August	16:00 h	Recife Palace
Wednesday	16:00 -	Poster Session
1 August	18:00 h	Recife Palace
Thursday	08:00 -	Oral Sessions
2 August	18:00 h	Recife Palace
Thursday	14:00 -	Association
2 August	15:00 h	Meeting
		Recife Palace
Thursday	19:30 -	Banquet
2 August	23:00 h	Barbecue
		Restaurant
Friday	08:00 -	Porto de
3 August	18:00 h	Galinhas
		Beach Excursion

Positions

Smithsonian Research Training Program 28 May 2007 – 6 August 2007 Application Deadline: 1 February 2007

The Research Training Program is museum-based. in-residence ล for exclusively currently program enrolled, English proficient, collegelevel undergraduate students interested in a career in the biological, geological or anthropological sciences. Through a competitive review process approximately 20 outstanding students from around the world are selected each year to participate. Students partner with а Smithsonian scientist to investigate a natural history research topic as well as participate in a series of lectures, workshops, demonstrations, behind-the-scenes tours, and field trips that focused on exploring natural history science and developing the skills necessary become to effective researchers. Students, in collaboration their Smithsonian with research advisor, develop and test a scientific hypothesis and communicate the results through written manuscripts plus oral and poster presentations. Research is conducted in-residence \mathbf{at} the Smithsonian's National Museum of Natural History in Washington, DC utilizing the vast research facilities and collection of the Museum including 127 million natural history specimens.

Comments RTP '06 participant Sheena Ketchum: "The RTP lectures and tours provided me with a completely rounded and hands-on natural history education that is impossible to obtain anywhere else. Only here, and only through the RTP, over a course of ten weeks, could I have held a stone hand axe from Olduvai Gorge, touched a Mars meteorite, examined a 8,000 year-old skeleton from North America, played with a Clovis Point, worn a giant sapphire ring, held an atlatl, seen a coelacanth, picked up a piece of the world's mantle, seen specimens collected by historical figures such as: Theodore Roosevelt and Charles Darwin, had ³/₄ of a pound of gold thrown at me, ran my finger along the KT Boundary, smelled fossilized dung, seen the "Soap Man" other *mummies*. examined and Hopewellian beads made out of a meteorite, touched pieces of the Burgess Shale, seen countless type specimens, viewed the shrunken heads of the Jivaro, held a 4.56 billion-year-old meteorite, visited the rare books collection, seen a giant squid, experienced "museum time" first hand, as well as countless other experiences."

Participants are provided stipend (\$3,000), plus housing and travel. Detailed information and application materials are available electronically at: <u>http://www.nmnh.si.edu/rtp/</u> For more information contact:

Mary Sangrey

Director, Research Training Program Head, Office of Academic Services phone: 202-633-4548 fax: 202-786-0153 e-mail: sangreym@si.edu web: <u>http://www.nmnh.si.edu/rtp/</u> and <u>http://www.nmnh.si.edu/rtp/other_opps/</u> Mail to: 10th Street & Constitution Avenue, NW P.O. Box 37012 MRC 106 NHB, Room 59A National Museum of Natural History Smithsonian Institution Washington, D.C. 20013-7012

Address Changes/Updates

Paul Montagna

Endowed Chair for Ecosystems Studies and Modeling Harte Research Institute for Gulf of Mexico Studies Texas A&M University-Corpus Christi 6300 Ocean Drive, Unit 5869 Corpus Christi, TX 78412-5869 361-825-2040 Telephone 361-825-2049 Facsimile paul.montagna@tamucc.edu

Resources

Upogebiidae of the World (Decapoda, Thalassinidea) Katsushi Sakai

In this work, the composition of the family Upogebiidae is reasessed and the classification of its included taxa is critically reviewed. The material examined mainly originates from the collections of the Forschungsinstitut Senckenberg, Frankfurt am Main and Zoological the Museum of the University of Copenhagen, comprising samples from the Galathea Expedition 1950-1952. Dr. Th. Mortensen's expeditions, including the Java South African Expedition 1929-1930, and Dr.

G. Thorson's Persian expedition. In all, two subfamilies, 11 genera and 157 species are represented in this revision. The status of the various taxa recognized is placed in broader context of a re-evaluation of the contents of the infraorder Thalassinidea.

The contents of the book are not only of interest for systematists but also ecologists for and environmental biologists focusing neritic on and benthic biocoenoses, these mud as shrimps are important agents in bioturbation processes of the sea floor.

More information can be found at:<u>www.brill.nl/default.aspx?partid=10</u> <u>&pid=25856</u>

Life and work of Dr. Johannes Govertus de Man (1850-1930) A Crustacea & Nematoda specialist Gerrit Karssen

This book describes the life and work of Dr. Johannes Govertus de Man (1850-1930),remarkable Dutch a invertebrate zoologist. J.G. de Man worked on the systematics of both the Crustacea, in particular on Decapoda crabs. crayfish, lobsters and (i.e. and the microscopically shrimps). Nematoda or roundworms.

The biographic part describes his years of childhood and youth, student days and the time he was working at the National Museum of Natural History, Leiden, the Netherlands and the period after he resigned at the museum. Within appendices his publications, described Crustacea. Nematoda and other taxa, species named after de Man and the de Man archive is presented. A selection of his drawings and a CD-ROM with his 1884 Nematoda monography is included.

More information can be found at:<u>www.brill.nl/default.aspx?partid=10</u> <u>&pid=25515</u>

Recent Literature

- Achatz, J. G., and M. D. Hooge. 2006. Convolutidae (Acoela) from Tanzania. Zootaxa:1-21.
- Alekseev, E., I. Glazer, and M. Samish. 2006. Effect of soil texture and moisture on the activity of entomopathogenic nematodes against female Boophilus annulatus ticks. Biocontrol 51:507-518.
- Baguley, J. G., P. A. Montagna, L. J. Hyde, R. D. Kalke, and G. T. Rowe. 2006. Metazoan meiofauna abundance in relation to environmental variables in the northern Gulf of Mexico deep sea. Deep-Sea Research Part I-Oceanographic Research Papers 53:1344-1362.
- Bejarano, A. C., G. T. Chandler, L. J. He, T. L. Cary, and J. L. Ferry. 2006. Risk assessment of the National Institute of Standards and Technology petroleum crude oil standard water accommodated fraction: Further application of a copepod-based, full life-cycle bioassay. Environmental Toxicology and Chemistry 25:1953-1960.
- Bhadury P, Austen MC, Bilton D, Lambshead PJD, Rogers AD,
 Smerdon GR (2006) Exploitation of archived marine nematodes – a hot lysis extraction protocol for molecular studies. Zoologica Scripta

- Bhadury P, Austen MC, Bilton DT, Lambshead PJD, Rogers AD,
 Smerdon GR (2005) Combined morphological and molecular analysis of individual nematodes through short-term preservation in formalin. Molecular Ecology Notes. 5 (4): 965-968
- Bhadury P, Austen MC, Bilton DT, Lambshead PJD, Rogers AD,
 Smerdon GR (2006) Molecular detection of marine nematodes from environmental samples- overcoming eukaryotic interference. Aquatic Microbial Ecology 44: 97-103.
- Bhadury, P., M. C. Austen, D. T. Bilton,
 P. J. D. Lambshead, A. D. Rogers, and G. R. Smerdon. 2006.
 Development and evaluation of a DNA-barcoding approach for the rapid identification of nematodes.
 Marine Ecology Progress Series 320:1-9.
- Cook AA, Bhadury P, Debenham NJ, Meldal BHM, Blaxter ML, Smerdon GR, Austen MC, Lambshead PJD Rogers, A.D (2005) Denaturing Gradient Gel Electrophoresis (DGGE) as a tool for the identification of marine nematodes. Mar. Ecol. Prog. Ser. 291: 103-113
- De Castro, F. J. V., T. N. C. Bezerra, M. C. Da Silva, and V. Fonseca-Genevois. 2006. Spirinia elongata, sp nov (Nematoda, Desmodoridae) from Pina Basin, Pernambuco, Brazil. Zootaxa:53-68.
- De Mesel, I., H. J. Lee, S. Vanhove, M. Vincx, and A. Vanreusel. 2006. Species diversity and distribution within the deep-sea nematode genus Acantholaimus on the continental shelf and slope in Antarctica. Polar Biology 29:860-871.

- De Mesel, I., S. Derycke, J. Swings, M. Vincx, and T. Moens. 2006. Role of nematodes in decomposition processes: Does within-trophic group diversity matter? Marine Ecology-Progress Series 321:157-166.
- Decamp, O. E., C. A. Otoshi, and S. M. Moss. 2006. Protozoans and meiofauna inhabiting a bead filter: A preliminary investigation of their role as potential bioindicators of shrimp production system health. Journal of the World Aquaculture Society 37:481-489.
- Degre, D., D. Leguerrier, E. A. du Chatelet, J. Rzeznik, J. C. Auguet, C. Dupuy, E. Marquis, D. Fichet, C. Struski, E. Joyeux, P. G. Sauriau, and N. Niquil. 2006. Comparative analysis of the food webs of two intertidal mudflats during two seasons using inverse modelling: Aiguillon Cove and Brouage Mudflat, France. Estuarine Coastal and Shelf Science 69:107-124.
- Dye, A. H. 2006. Inhibition of the decomposition of Zostera capricornii litter by macrobenthos and meiobenthos in a brackish coastal lake system. Estuaries and Coasts 29:802-809.
- Dye, A. H. 2006. Is geomorphic zonation a useful predictor of patterns of benthic infauna in intermittent estuaries in New South Wales, Australia? Estuaries and Coasts 29:455-464.

Fleeger, J. W., K. R. Carman, P. B.
Welsenhorn, H. Sofranko, T.
Marshall, D. Thistle, and J. P. Barry.
2006. Simulated sequestration of anthropogenic carbon dioxide at a deep-sea site: Effects on nematode abundance and biovolume. Deep-Sea Research Part I-Oceanographic Research Papers 53:1135-1147.

- Floyd RM, Rogers AD, Lambshead PJD, Smith CR (2005) Nematode-specific PCR primers for the 18S small subunit rRNA gene. Molecular Ecology Notes 5 (3): 611-612
- Gagarin, V. G., and A. K. Klerman. 2006. Two new species of Mesacanthion Filipjev, 1927 (Nematoda : Enoplida) from the Mediterranean Sea. Nematology 8:533-538.
- Gambi, C., and R. Danovaro. 2006. A multiple-scale analysis of metazoan meiofaunal distribution in the deep Mediterranean Sea. Deep-Sea Research Part I-Oceanographic Research Papers 53:1117-1134.
- Gascon, S., D. Boix, J. Sala, and X. D. Quintana. 2006. Nematode assemblages and their responses to disturbances: a case study from the Emporda wetlands (northeastern Iberian Peninsula). Journal of the North American Benthological Society 25:643-655.
- Gheskiere, T., V. Magda, P. Greet, and D. Steven. 2006. Are strandline meiofaunal assemblages affected by a once-only mechanical beach cleaning? Experimental findings. Marine Environmental Research 61:245-264.
- Gibbons MJ, Lambshead PJD, Kelly M (2005) How successful has the NRF/Royal Society programme in Zoology at the University of the Western Cape been? South African Journal of Science 101: 417-420
- Goldscheider, N., D. Hunkeler, and P. Rossi. 2006. Review: Microbial biocenoses in pristine aquifers and an assessment of investigative

methods. Hydrogeology Journal 14:926-941.

- Grove, S. L., P. K. Probert, K.
 Berkenbusch, and S. D. Nodder.
 2006. Distribution of bathyal meiofauna in the region of the Subtropical Front, Chatham Rise, south-west Pacific. Journal of Experimental Marine Biology and Ecology 330:342-355.
- Grove, S. L., P. K. Probert, K.
 Berkenbusch, and S. D. Nodder.
 2006. Distribution of bathyal meiofauna in the region of the Subtropical Front, Chatham Rise, south-west Pacific. Journal of Experimental Marine Biology and Ecology 330:342-355.
- Grove, S. L., P. K. Probert, K.
 Berkenbusch, and S. D. Nodder.
 2006. Distribution of bathyal meiofauna in the region of the Subtropical Front, Chatham Rise, south-west Pacific. Journal of Experimental Marine Biology and Ecology 330:342-355.
- Harriague, A. C., C. N. Bianchi, and G. Albertelli. 2006. Soft-bottom macrobenthic community composition and biomass in a Posidonia oceanica meadow in the Ligurian Sea (NW Mediterranean). Estuarine Coastal and Shelf Science 70:251-258.
- Harriague, A. C., L. Gaozza, A.
 Montella, and C. Misic. 2006.
 Benthic communities on a sandy
 Ligurian beach (NW Mediterranean).
 Hydrobiologia 571:383-394.
- Hayek, L. A. C., and M. A. Buzas. 2006. The martyrdom of St. Lucie: Decimation of a meiofauna. Bulletin of Marine Science 79:341-352.
- Hooge, M. D., and C. E. F. Rocha. 2006.

Acoela (Acoelomorpha) from the northern beaches of the state of Sao Paulo, Brazil, and a systematic revision of the family Otocelididae. Zootaxa:1-50.

- Hope, W. D. 2005. An Annotated Checklist of the Marine Nematodes of the Western North Atlantic and Gulf of Mexico. Journal of Nematology, 37 (Supplement): 1-208.
- Hua, E., Z. N. Zhang, and Y. Zhang.
 2006. Meiofauna distributions at the oxygen minimum zone in Changjiang (Yangtze) River Estuary waters.
 Acta Oceanologica Sinica 25:120-134.
- Ingels, J., S. Vanhove, I. De Mesel, and A. Vanreusel. 2006. The biodiversity and biogeography of the free-living nematode genera Desmodora and Desmodorella (family Desmodoridae) at both sides of the Scotia Arc. Polar Biology 29:936-949.
- Katz, S., C. M. Cavanaugh, and M.
 Bright. 2006. Symbiosis of epi- and endocuticular bacteria with Helicoradomenia spp. (Mollusca, Aplacophora, Solenogastres) from deep-sea hydrothermal vents.
 Marine Ecology-Progress Series 320:89-99.
- Kito, K., and C. Aryuthaka. 2006. New mouthless nematode of the genus Parastomonema Kito, 1989 (Nematoda : Siphonolaimidae) from a mangrove forest on the coast of Thailand, and erection of the new subfamily Astomonematinae within the Siphonolaimidae. Zootaxa:39-49.
- Koller, H., P. C. Dworschak, and D. Abed-Navandi. 2006. Burrows of Pestarella tyrrhena (Decapoda : Thalassinidea): hot spots for Nematoda, Foraminifera and bacterial densities. Journal of the

Marine Biological Association of the United Kingdom 86:1113-1122.

- Lee, W., H. Y. Soh, and P. A. Montagna. 2006. Redescription of Echinolaophonte armiger (Gurney) (Copepoda : Harpacticoida) from the Gulf of Mexico. Zootaxa:53-68.
- Radziejewska, T., P. Gruszka, and J. Rokicka-Praxmajer. 2006. A home away from home: a meiobenthic assemblage in a ship's ballast water tank sediment. Oceanologia 48:259-265.
- Raes, M., W. Decraemer, and A. Vanreusel. 2006. Postembryonic morphology in epsilonematidae, with a discussion on the variability of caudal gland outlets. Journal of Nematology 38:97-118.
- Reid, J.W. 2006. Local recreational parks as hospitable habitats for small aquatic animals: Examples of copepod crustaceans in Virginia. Banisteria 27:10-15.
- Reid, J.W. and L.J. Hribar. 2006. Records of some Copepoda (Crustacea) from the Florida Keys. Proc. Acad. Nat. Sci. Phil. 155:1-7.
- Rex, M. A., R. J. Etter, J. S. Morris, J. Crouse, C. R. McClain, N. A. Johnson, C. T. Stuart, J. W. Deming, R. Thies, and R. Avery. 2006. Global bathymetric patterns of standing stock and body size in the deep-sea benthos. Marine Ecology-Progress Series 317:1-8.
- Romanuk, T. N., B. E. Beisner, N. D. Martinez, and J. Kolasa. 2006. Nonomnivorous generality promotes population stability. Biology Letters 2:374-377.
- Schizas, N. V., and T. C. Shirley. 2006. Apolethon hippoperus (Copepoda : Harpacticoida): A new species from

southeastern Alaska. Journal of Crustacean Biology 26:341-354.

- Schmidt, A. L., and R. E. Scheibling.
 2006. A comparison of epifauna and epiphytes on native kelps
 (Laminaria species) and an invasive alga (Codium fragile ssp tomentosoides) in Nova Scotia, Canada. Botanica Marina 49:315-330.
- Sharma, J., L. Sun, W. D. Hope, and V.
 R. Ferris. 2006. Phylogenetic relationships of the marine nematode family Comesomatidae.
 Journal of Nematology 38:229-232.
- Smith, F., and A. V. Brown. 2006. Effects of flow on meiofauna colonization in artificial streams and reference sites within the Illinois River, Arkansas. Hydrobiologia 571:169-180.
- Souza-Santos, L. P., J. M. O. Pastor, N. G. Ferreira, W. M. Costa, C. M. V. Araujo-Castro, and P. J. P. Santos.
 2006. Developing the harpacticoid copepod Tisbe biminiensis culture: testing for salinity tolerance, ration levels, presence of sediment and density dependent analyses.
 Aquaculture Research 37:1516-1523.
- Sterrer, W., and M. V. Sorensen. 2006. Chirognathia dracula gen. et spec. nov (Gnathostomulida) from the west coast of North America. Marine Biology Research 2:296-302.
- Suarez-Morales, E., M. De Troch, and F. Fiers. 2006. A checklist of the marine Harpacticoida (Copepoda) of the Caribbean Sea. Zootaxa:1-19.
- Suarez-Morales, E., M. De Troch, and F. Fiers. 2006. A checklist of the marine Harpacticoida (Copepoda) of the Caribbean Sea. Zootaxa:1-19.
- Suatoni, E., S. Vicario, S. Rice, T. Snell,

and A. Caccone. 2006. An analysis of species boundaries and biogeographic patterns in a cryptic species complex: The rotifer -Brachionus plicatilis. Molecular Phylogenetics and Evolution 41:86-98.

- Szymelfenig, M., L. Kotwicki, and B. Graca. 2006. Benthic re-colonization in post-dredging pits in the puck bay (Southern Baltic sea). Estuarine Coastal and Shelf Science **68**:489-498.
- Szymelfenig, M., L. Kotwicki, and B. Graca. 2006. Benthic re-colonization in post-dredging pits in the puck bay (Southern Baltic sea). Estuarine Coastal and Shelf Science **68**:489-498.
- Szymelfenig, M., L. Kotwicki, and B. Graca. 2006. Benthic re-colonization in post-dredging pits in the puck bay (Southern Baltic sea). Estuarine Coastal and Shelf Science 68:489-498.
- Todaro, M. A., L. Guldi, F. Leasi, and P. Tongiorgi. 2006. Morphology of Xenodasys (Gastrotricha): the first species from the Mediterranean Sea and the establishment of Chordodasiopsis gen. nov and Xenodasyidae fam. nov. Journal of the Marine Biological Association of the United Kingdom 86:1005-1015.
- Ugland KI, Gray JS, Lambshead PJD (2005) Species accumulation curves analysed by a class of neutral models discovered by Arrhenius. Oikos 108: 263-274
- Urban-Malinga, B., and T. Moens. 2006. Fate of organic matter in Arctic intertidal sediments: Is utilisation by meiofauna important? Journal of Sea Research 56:239-248.

- Van Gaever, S., L. Moodley, D. de Beer, and A. Vanreusel. 2006. Meiobenthos at the Arctic Hakon Mosby Mud Volcano, with a parental-caring nematode thriving in sulphide-rich sediments. Marine Ecology-Progress Series 321:143-155.
- van Oevelen, D., K. Soetaert, J. J. Middelburg, P. M. J. Herman, L. Moodley, I. Hamels, T. Moens, and C. H. R. Heip. 2006. Carbon flows through a benthic food web: Integrating biomass, isotope and tracer data. Journal of Marine Research 64:453-482.
- Verschelde, D., W. Nicholas, and M. Vincx. 2006. A review of the genera Croconema Cobb, 1920 and Pseudochromadora Daday, 1899 (Nematoda, Desmodoroidea): New species from the coasts of Kenya and Australia. Hydrobiologia 571:17-40.
- Webster, B. L., R. R. Copley, R. A.
 Jenner, J. A. Mackenzie-Dodds, S. J.
 Bourlat, O. Rota-Stabelli, D. T. J.
 Littlewood, and M. J. Telford. 2006.
 Mitogenomics and phylogenomics reveal priapulid worms as extant models of the ancestral Ecdysozoan.
 Evolution & Development 8:502-510.
- Willen, E. 2006. A new species of Copepoda Harpacticoida, Xylora calyptogenae spec. n., with a carnivorous life-style from a hydrothermally active submarine volcano in the New Ireland Fore-Arc system (Papua New Guinea) with notes on the systematics of the Donsiellinae Lang, 1948. Helgoland Marine Research 60:257-272.
- Witthoft-Muhlmann, A., W. Traunspurger, and K. O. Rothhaupt. 2006. Nematodes of Lake Constance, Germany, with special reference to

littoral communities of a river mouth area. Nematology 8:539-553.

- Yoshinaga, T., R. Kinami, K. A. Hall, and K. Ogawa. 2006. A preliminary study on the infection of anisakid larvae in juvenile greater amberjack Seriola dumerili imported from China to Japan as mariculture seedlings. Fish Pathology 41:123-126.
- Zekely, J., C. L. Van Dover, H. L.
 Nemeschkal, and M. Bright. 2006.
 Hydrothermal vent meiobenthos associated with mytilid mussel aggregations from the Mid-Atlantic Ridge and the East Pacific Rise.
 Deep-Sea Research Part I-Oceanographic Research Papers 53:1363-1378.
- Zhang, Y., and Z. N. Zhang. 2006. Two new species of the genus Elzalia (Nematoda : Monhysterida : Xyalidae) from the Yellow Sea, China. Journal of the Marine Biological Association of the United Kingdom 86:1047-1056.

...and then there are those of us who actually make money out of publishing..

As Black As Hell

Written by <u>John Lambshead</u> Illustrated by David Daniel

"For I have sworn thee fair and thought thee bright, who art as black as hell, as dark as night." Sonnet 147, William Shakespeare





THIRIMCO- Thirteenth International Meiofauna Conference July 29 - August 3, 2007 Recife (Brazil) Conference Center of Recife Palace Hotel ***** REGISTRATION FORM

Title and family name		
Forename		
Institution		
Address		
City	State	
Post Code	Country	
Tel. No	FAX	
E-mail address		

In one (or more) of the following themes:

Presentation	Oral	Poster
Phylogenetic studies: morphology and molecular analysis		
Pollution and meiofauna		
Trophic relations		
Deep-sea meiofauna		
Deep-sea meiofauna: chemosynthetic habitats		
Taxonomy of meiofauna	Only poster	
Major Projects		
Major Projects: MANUELA		
Meiofauna from selected habitats		
Ecology of meiofauna		
None (just attending)		
Number of accompanying people (non-participants)		

Registration Fees

Participant type	Until 1 st May	At the conference
Professional	240 €/ \$320	300 €/ \$400
Student	140 €/ \$190	200 €/ \$270
Accompanying	80 €/ \$110	100 €/ \$130
nt. Danas da Drasil (O	(1) $A \sim 2612.7$ NO $\frac{1}{2}$	226 529 0

Deposit Account: Banco do Brasil (001) - Ag. 3613-7 - N°. 226.538-9 IBAN – 0013613-7000226538-9 SWIFT - BRASBRRJSDR

Will you pay the conference fee at arrival? (Y/N)

For hotel reservation and payment please contact EVENTOS@MARTUR.COM.BR

Do you want to have a t-shirt of the conference $(10 \notin \$13)?$ (Y/N)					
What size & number?	S	М	L	XL	XXL

Please fill and send form by 1st May to: thirimco@bureaudeeventos.com.br