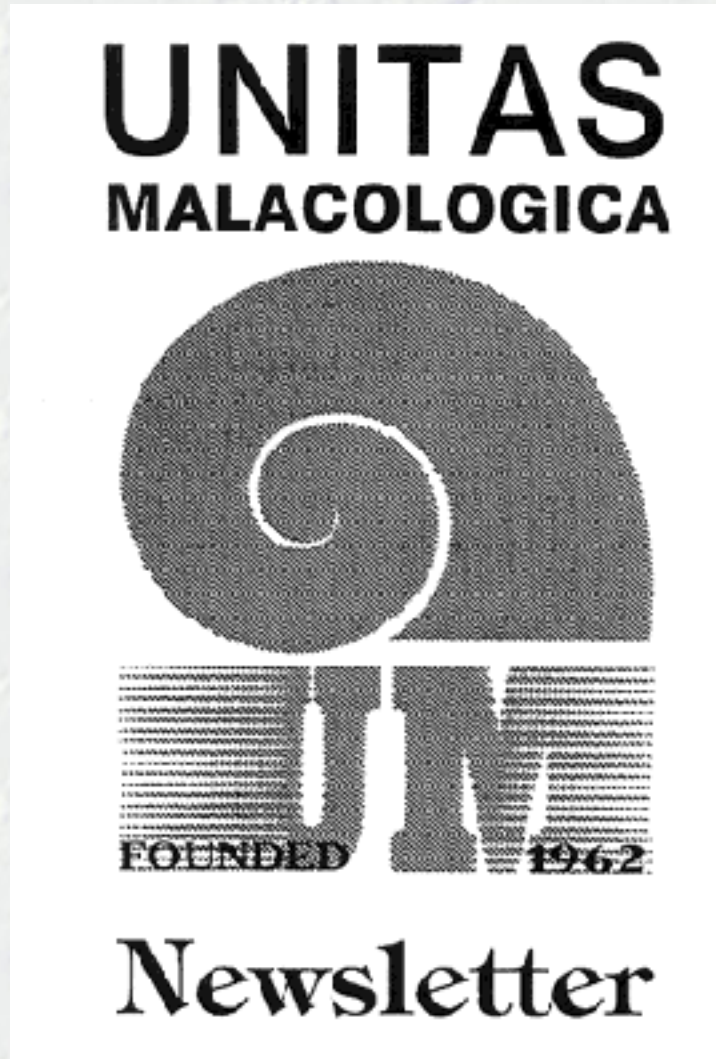


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Number 11 February, 1997

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FOUNDED 1962

***Keeping the world of malacology informed.***

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## UNITAS MALACOLOGICA

Our aim is to further the study of **Mollusca** by individuals, societies and institutions world-wide.

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Copy for Newsletter. If possible, send by email or disk (DOS, or, less preferably, Mac format).

Newsletter available at <http://www.ucmp.berkeley.edu/mologis/mollia.html>

## Affiliated Organisations

**American Malacological Union**

**Friedrich Held Gesellschaft**

**King Leopold III Foundation**

**Malacological Society of Australasia Ltd**

**Malakoloski Muzej**

**Nederlandse Malacologische Vereniging**

**Naturmuseum Senckenberg**

**Società Italiana di Malacologia**

**Société Française de Malacologie**

**Society for Experimental and Descriptive Malacology**

**Contacts with several additional malacological organisations exist, but have not (yet) been formalized.**

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### **Editorial**

This is the first issue of the Unitas newsletter for 1997 and I am afraid it is a little late. It is also the last Newsletter in this format. The next will be dramatically changed in appearance for the better, thanks to assistance with layout and graphics from Dr Yuri Kantor. This issue, like the last two newsletters, are available on WWW, through **Mollia at:** -<http://www.ucmp.berkeley.edu/mologis/mollia.html>, as well as being distributed to members in hard copy.

*As noted in my last editorial, I want to provide news and information about projects, laboratories and individuals in malacology around the world. In future it is hoped that at least two or three accounts from laboratories, programs or individual scientists in various parts of the world can be included. so please start writing! Remember that this newsletter will only be useful and informative if you make the effort to provide information, ideas and comment. If you are disappointed that your meeting, book or organisation is not listed it is because you have not given me the information!*

*Unitas Matters*



## *From the Secretary*

*Membership* . This Newsletter once again shows that Unitas Malacologica is active and doing something positive for the malacological world. What is done, is done free, in valuable spare time. In order to do more, we need more paying members. Look around and convert a malacologist to U.M. membership!

## *Congress on Palaeartic*

*Mollusca* . Don't forget the "International Congress on Palaeartic Mollusca", Munich, September 1-4, 1997, organized by Gerhard Falkner on behalf of U.M., under the auspices of the Friedrich-Held-Gesellschaft. Compared to the well-known three-yearly U.M. congresses, this meeting is an intermediate U.M.-supported international congress on a more restricted theme. During the General Assembly in Washington, 1998, we will discuss this kind of U.M. activity. I would like to thank Gerhard Falkner and his Committee most cordially for their initiative and all the work that they have done.

## *World Congress*

. Much progress has already been made by the Washington, 1998, Congress Organising Committee, as can be read elsewhere in this Newsletter. They deserve our warmest thanks! I would like to emphasize once more that having a U.M. Congress in the U.S.A. is not a problem for our European members. It's not very far, it's not very expensive, and it's certainly no less international than before! We hope to see many European members in Washington in 1998.

## *Travel Grants*

. There will be a limited number of U.M. travel grants for the 1998 Congress, for registered students and "needy" malacologists giving papers or posters. For rules and an application form, ask the Secretary.

## *New Council Members*

. The present Secretary will not be standing again. Thus a successor is needed, to be elected during the General Assembly in Washington in 1998. Please, think about candidates for the position of Secretary and members of the Council, or ask for information. We need volunteers prepared to work hard for Unitas and malacology. Voting forms will probably be send with the next Newsletter.

## *Next millennium*

. The U.M. Council will soon be deciding on the venue for the 2001 U.M. Congress. Council has decided that it should be in Europe, but no decision has been made as to where. We need proposals, so please write the Secretary, or another Council Member.

## *U.M. Web site*

. The NL is on WWW and a home page will probably be developed associated with *Mollia*, thanks to David Lindberg.

Edmund Gittenberger.

## **The Treasurer's Column**

Last summer and autumn I sent reminders and invoices to members for payment of membership dues. The response was very favorable. Not less than 50 % of members payed their dues, many of them one to three years in advance. May I add a gentle reminder to the other 50 % of the invoiced members ?

Many thanks also to those who contributed voluntarily to the Trust Fund: Sergio Angeletti, Bram Breure, R.A.D. Cameron, Barry Colville, Fernando Ghisotti, Toshie Kawano, Winston Ponder, Willy Sleurs, Brian Smith, Jezus Troncoso, André Verhecken, Thomas Wilke and special thanks to Dr.h.c. J.G.J. Kuiper.

Jackie L. Van Goethem

## **Unitas Congresses**

### **International Congress on Palaearctic Mollusca. Munich, Germany, 1-4 Sept. 1997.**

See announcement in NL 10 and the separate announcement and registration forms with this newsletter.

This congress will include a two-part conference on the Ecology and Taxonomy of Freshwater Mollusca, the first part to be held in Salzburg, Austria, between 19th and 21st February 1997 (see below), and the second part between the 1st and 4th August 1997, in Munich.

### **Symposium on Ecology and Taxonomy of Fresh Water Molluscs .**

As part of the UNITAS Congress on Palearctic Mollusca, this symposium will be held at Salzburg, Austria on February 20-21, 1997. Details and program available from Dr. Robert A. Patzner, Institute of Zoology, University of Salzburg, Hellbrunnerstrasse 34, A-5020 Salzburg, Austria. Phone 43 662 8044 5619, Fax 43 662 8044 5698, Email [robert.patzner@sbg.ac.at](mailto:robert.patzner@sbg.ac.at).

### **World Congress Of Malacology, July 1998, Washington, D.C., USA.**

A joint meeting, combining the 13th International Malacological Congress of Unitas Malacologica and the 64th Annual Meeting of the American Malacological Union. Saturday, 25



July - Friday, 31 July, 1988.

Three symposia will be at the center of the '98 Congress, beginning with keynote addresses on the afternoon of July 26, and continuing in the plenary morning sessions during the following three days:-

*Refining Molluscan  
Characters*

International University,

(Organizers: Dr. Timothy M. Collins, Florida

Miami; Dr. Gerhard Haszprunar, Zoologische Staatssammlung, Munich; Dr. Diana Lipscomb, George Washington University, Washington, DC; Dr. Winston F. Ponder, The Australian Museum, Sydney). The underlying evolutionary framework of modern comparative biology requires phylogenetic reconstruction. However, hypotheses of phylogenetic relationship are only as good as the characters on which they are based. Major progress has occurred in the analysis of molluscan data, but our embracing of cladistic methodologies also requires a similar maturation in how we recognize, select and define characters and their states. This symposium presents an overview of each of the major classes of data sets, including anatomy (gross, histological, ultra-structural), shell morphology, molecular, behavioral, and development. It will also examine how we define characters and their states, assess character homology, deal with noise and gaps associated with each of the data sets, as well as future directions in the refinement of molluscan characters and their states.

*Interactions Between  
Molluscs and Humans.*

(Organizers: Dr. Philippe Bouchet, Muséum National d'Histoire Naturelle, Paris; Dr. George M. Davis, Academy of Natural Sciences, Philadelphia, Pennsylvania; Dr. F.G. Hochberg, Santa Barbara Museum, California; Dr. Gerrardo Vasta, Center for Marine Biotechnology, Baltimore, Maryland). Molluscs have provided us with food, tools, barter, and decoration. They have also killed us with venom, poisoned us with toxins, and infected us with parasites. We use them as model organisms to study ecological interactions, physiological tolerances, and as bio-indicators for the health of our mutual environment; we have also driven many of them to extinction. In this symposium we present examples and overviews of current uses of molluscs in medical research, biodiversity studies, and fisheries. The intent of this symposium is to: (1) bring to the international malacological community's attention molluscan research and applications that reside outside our typical scope, and (2) explore and establish contacts, potential interactions, and information exchanges between these disparate groups all of whom share molluscs as the common denominator in their work.

*The Molluscan Fossil  
Record -- Bridging  
Temporal Scales in*

## *Molluscan Biology.*

(Organizers: Dr.

Satoshi Chiba, Shizuoka University, Oya; Dr. Douglas Erwin, Smithsonian Institution, Washington, DC; Dr. David Reid, The Natural History Museum, London). The fossil record for molluscs is one of the deepest and richest available for the direct documentation of evolutionary pattern. However, too often research programs in malacology draw artificial boundaries between living and fossil molluscs, thereby depriving workers of the insights and continuity that the fossil record provides. During the last 15 years sophisticated geochemical, morphological, statistical, and even molecular analyses have been used to investigate fossil patterns and explore associated processes. Molluscan-based research into biomineralization, extinctions, stratigraphic completeness, and paleoecology have greatly benefited from these new approaches. This symposium will feature the newest techniques and methodologies for unlocking the history of molluscan biology from the rock record as well as exploring potential future malacological research venues devoid of temporal limits.

## *Focus Sessions.*

In addition to the Symposia, there will be numerous focus sessions of contributed papers covering a wide range of other topics. These focus sessions, scheduled for the afternoons of July 27-30 (and, probably, for July 31) will also attempt to address broader themes in the field of malacology. Rather than providing a forum only to taxonomic or geographic subunits, contributed papers will be grouped into themes to facilitate broader interaction. This approach is a deviation from past meeting arrangements, in which all cephalopod workers may end up in room A, freshwater bivalve people in Room B, and the marine snail types in Room C. While the former arrangement enhances interaction within the individual taxon-based community, it may be somewhat counterproductive to the idea of coming together for a world meeting of malacology and exchanging thoughts, approaches, and data amongst ourselves. Rather than "locking" participants by the default of the particular taxon they study into a room for the duration of the meeting, we hope that the plenary sessions in the morning and the "theme" approach in the afternoon will encourage a wider interaction across our individual niches. This does not slight focused taxonomic activities. Instead, it is an attempt to look beyond the usual "in-groups" of meeting participants, by sharing our data and interpretations following common threads of our biological discipline - malacology. For the necessary shoulder rubbing with our respective in-group peers, there will be "Taxon Night" to compare notes.

Topics of the potential focus sessions as currently envisaged are:

Assessing Biodiversity

Behaviour

Biomechanics



## Conservation Efforts

## Ecology

## History & Philosophy of Malacology

## Life History & Reproduction

## Phylogenetics

## Phylogeography & Biogeography

## Population Genetics

## Taxonomy.

### *Site and Housing*

The Smithsonian Institution will host the meeting, which will take place at the S. Dillon Ripley Center and the National Museum of Natural History. Inexpensive dormitory housing and meal plans will be available at George Washington University (GW), which is situated a short distance from the Smithsonian Institution in Foggy Bottom (yes, that is a place name). A large block of university rooms has been reserved for participants seeking inexpensive accommodations. (A smaller block of rooms also will be reserved at a nearby hotel for those who are not so constrained.) Participants will be housed in GW's largest residence hall, Thurston Hall, which is located at 1900 F Street, Northwest. This is in close proximity to the Smithsonian's conference facility on the Mall, which is accessible by metro (subway), taxi, or car. Participants may walk the short distance to the metro station, approximately four blocks, for a ten minute ride to the Mall. Parking is available at GW at an approximate rate of \$10 US per day. Washington is served by three major airports, including Dulles Airport, which is a hub for international arrivals.

Single and double occupancy rooms will be available at the residence hall (we assume that many participants will opt for a double occupancy room). The cost for this will not exceed \$40 per person. Additionally, rooms for three, four, and five persons will be available upon request. Each air-conditioned room has a private bath and is furnished with a single bed, dresser, desk, and chair for each person. Sheets and towels are provided.

Smoking is permitted in the rooms, although in cases of shared rooms, all individuals must agree on this. Breakfast will be provided (for an extra fee) for participants each morning in the Thurston Hall cafeteria. Thurston Hall also is located within easy walking distance of other sites of interest in the Washington, D.C. area. The dorm is three blocks from the White House



and only minutes away from various monuments and museums. The Georgetown area, which is well known for its shopping and fine restaurants, is an approximate 15-20 minute walk from the dorm. And, yes, there will a variety of evening events and entertainment.

*1998 Congress  
Organizing Committee.*

Dr. Robert Hershler ([hershler.robert@nmnh.si.edu](mailto:hershler.robert@nmnh.si.edu)) - AMU President '98 & Local Organizer

Dr. Rüdiger Bieler ([bieler@fmnh.org](mailto:bieler@fmnh.org)) - President, Unitas Malacologia

Dr. Philippe Bouchet ([bouchet@cimrs1.mnhn.fr](mailto:bouchet@cimrs1.mnhn.fr))

Dr. Elinor Michel ([emichel@biology.lsa.umich.edu](mailto:emichel@biology.lsa.umich.edu))

Dr. Pablo Penchaszadeh ([ppenchas@usb.ve](mailto:ppenchas@usb.ve))

Dr. Winston Ponder ([wponder@extro.ucc.su.oz.au](mailto:wponder@extro.ucc.su.oz.au))

Dr. John Taylor ([j.taylor@mailserver.nhm.ac.uk](mailto:j.taylor@mailserver.nhm.ac.uk))

Rüdiger Bieler, President, UM, Dept. of Zoology/Invertebrates, The Field Museum, Roosevelt Road at Lake Shore Drive, Chicago, IL 60605-2496, U.S.A. Phone 312 922-9410 (ext. 270), Fax 312 663-5397, Email [bieler@fmnh.org](mailto:bieler@fmnh.org).

## Logo design competition

The organizing committee for the 1998 World Congress of Malacology in Washington invited the submission of designs for a logo symbolizing this event via *Mollusca*.

The logo will be used in official correspondence associated with the meeting and also in the design of T-shirts and possibly other memorabilia to be distributed during the meeting. The closing date was last Dec. Dr Hershler, who organised the competition, received about 6 entries and a choice will be made by March 1st. The "winner" will receive free registration for the 1998 meeting as well as other amenities.

## Unitas projects

**Worldwide mollusc species database.** See last newsletter. Contact: Gary Rosenberg.

Email [rosenberg@say.acnatsci.org](mailto:rosenberg@say.acnatsci.org).

**CLEMAM (Check List of European Marine Mollusca)**. See last newsletter for details. Available at <http://www.mnhn.fr/base/malaco.html>. Managed by Jacques Le Renard and Serge Gofas. Email [gofas@cimrs1.mnhn.fr](mailto:gofas@cimrs1.mnhn.fr).

## Bits and pieces

### An electronic malacological journal?

There has been some debate, initiated on *Mollusca* by Alexandre G. Soares (Zoology Department, University of Port Elizabeth, P.O. Box 1600, Port Elizabeth - 6000, South Africa), as to whether there should be an electronic molluscan journal similar to The Fish and Fisheries Research e-journal (<http://www.isoftware.com/FFResearch/>). Suggestions include using such a format not only for refereed papers but also for illustrations (including animation and audio), non-refereed reports and faunal lists. However, Barry Roth (on *Mollusca*) warns against undocumented faunal lists because the reader cannot check identifications. There will no doubt be much further discussion on this matter.

### A malacological story (doing the rounds on the web)

A wife and her husband were having a dinner party for all the major status figures in Rome, Italy. The wife was very excited about this and wanted everything to be perfect. At the very last minute, she realized that she didn't have any snails for this dinner party, so she asked her husband to run down to the beach with a bucket to gather some snails. He grudgingly agreed. He took the bucket, walked out the door, down the steps, and out to the beach. As he was collecting the snails, he noticed a beautiful woman without a bikini top strolling alongside the water just a little further down the beach. He went back to gathering the snails. All of a sudden he looked up, and the beautiful woman was standing right over him. They got to talking, and she invited him back to her place. They were at her apartment and started messing around. It got so hot and heavy that he was exhausted afterwards and passed out.

At seven o'clock the next morning he woke up and exclaimed, "Oh no!!! My wife's dinner party!!!" He gathered all his clothes, put them on real fast, grabbed his bucket, and ran out the door. He ran down the beach all the way to his apartment. He ran up the stairs of his apartment. He was in such a hurry that when he got to the top of the stairs, he dropped the bucket of snails. There were snails all down the stairs. The door opened just then, with a very

angry wife standing in the doorway demanding to know where he's been all this time. He looked at the snails all down the steps, then he looked at her, then back at the snails and said: "Come on, guys, we're almost there!".

## Changing Postions

**Arthur E. Bogan** has taken up a new postion as Curator of Aquatic Invertebrates at the North Carolina State Museum of Natural Sciences where he will be curating and building a small but growing collection of molluscs, especially freshwater taxa. The museum is rapidly expanding, currently building a new building due to open in 1999, and a new wet collectiion facility scheduled to be completed later this year. Contact: North Carolina State Museum of Natural Sciences, P.O. Box 29555, Raleigh NC 27626, USA. Tel. (919) 733-7450, Fax. (919) 733-1573, Email [AEbogan@Zeus.Jersey.Net](mailto:AEbogan@Zeus.Jersey.Net).

**Andrew McArthur**, the coordinator of DEEPSEA, has successfully defended his Ph.D. dissertation and taken up a Smithsonian Postdoctoral Fellowship with Dr. M.G. Harasewych. The DEEPSEA Research Newsgroup: BIONET.BIOLOGY.DEEPSEA will continue - Email subscription info: <http://darwin.ceh.uvic.ca/deepsea/deepsea.html>(see also under Theses below).

**Paula M. Mikkelsen** has moved from the Delaware Museum of Natural History to the Department of Invertebrates, American Museum of Natural History Central Park West at 79th St., New York, NY 10024-5192, USA. Phone 212 769 5244, Fax 212 769 5783, Email [mikkel@amnh.org](mailto:mikkel@amnh.org) (pending).

**Timothy A. Pearce** is now in residence (since Jan. 1997) at The Delaware Museum of Natural History (see details on the DMNH below).

**Janice Voltzow** has moved to the Dept. of Biology, University of Scranton, Scranton, PA 18510-4625, USA. Phone 717 941 4378, Fax 717 941 6369, Email [voltzowj2@uofs.edu](mailto:voltzowj2@uofs.edu).

## Profile of a Research Organisation - the Delaware Museum of Natural History

Tim Pearce invites members of the malacology research community to take advantage of the extensive molluscan collection at DMNH through on-site visits, specimen loans, and computer search requests. He offers these notes about the Museum. It specialises in molluscs and birds, having 2 million+ mollusc specimens of 15,000+ species in 200,000+ cataloged lots, thus



ranking as one of the top ten malacology museums in the U.S.A. Worldwide in scope and covering all major molluscan groups, holdings comprise marine Gastropoda (ca 50%), land and freshwater Gastropoda (25%), marine Bivalvia (15%), freshwater Bivalvia (5%), as well as Cephalopoda, Polyplacophora, Scaphopoda, and Aplacophora. Most specimens are Recent and dry-preserved; but there is also a notable amount of alcohol-preserved and Cenozoic fossil material. The type collection contains 1215 lots. The library (about 10,000 volumes) includes journals, an extensive reprint collection, and many rare and old books on molluscs. The DMNH is the newest major malacology museum in the U.S.A., having grown rapidly since 1957 largely through acquiring collections. The collection is presently 71% computerized. Loans can be made to individuals at bona fide institutional addresses. A \$500 scholarship for travel expenses is offered this year to a graduate student to use our malacology collection and library for collections-based research leading to publication. In addition to our various displays on molluscs, the Museum's 25th anniversary is to be celebrated with the opening of the new long-term exhibit, the Wall of Shells, in March 1997.

DMNH is five miles north of Wilmington on route 52, located conveniently close to the Eastern corridor (I-95). We are 2.5 hours north of The Smithsonian Institution in Washington, DC, 1 hour south of the Academy of Natural Sciences in Philadelphia, and 2.5 hours south of the American Museum in New York. Be sure to schedule a visit to DMNH when you visit these other museums. For more information contact Timothy A. Pearce, Delaware Museum of Natural History, 4840 Kennett Pike, P.O. Box 3937, Wilmington, DE 19807-0937, U.S.A. Phone 302 658 5004 or 302 658 9111, Fax 302 658 2610, Email [tpearce@wittnet.com](mailto:tpearce@wittnet.com).

## Meetings

**Unitas meetings** - see listing above.

**11th. International Pectinid Workshop**, 10-15 April 1997, La Paz, Mexico. Contact: Esteban Felix Pico, Cicimar-Ipn, A. POstal 592, La Paz B:C:S: C.P. 23000. Fax 52 112 25322, Email [efelix@vmredipn.ipn.mx](mailto:efelix@vmredipn.ipn.mx).

**Special Sessions at the 1997 Annual Meeting of the National Shellfisheries Association (NSA)** . April 20-24 in Ft. Walton Beach, Florida, USA.

Details of the meeting are in the Late Summer Newsletter of NSA, which can be found electronically on <http://www.shellfish.org/>. Information from Catherine Gatenby, Department of Biology, Va Tech., Blacksburg, VA 24061, Phone 540 231 5508, Fax 540-231-9307, Email [cgatenby@vt.edu](mailto:cgatenby@vt.edu). Program chair of the 1997 meeting is Dr. Jay Parsons, Aquaculture Unit, Marine Institute of Memorial University, PO Box 4920 St. John's NF, Canada A1C5R3, Fax 709-

778-0535, Email [jparsons@gill.ifmt.nf.ca](mailto:jparsons@gill.ifmt.nf.ca).

**Association For Tropical Biology, Organization For Tropical Studies**, Annual Meeting and Symposium "Tropical Diversity, Origins, Maintenance, and Conservation", 15-20 June 1997, San José, Costa Rica. For further information: Dr. Jorge A. Jimenez, OTS, P.O. Box 676-2050, San Pedro, San Jose, Costa Rica, Tel Phone (506) 240-6696, Fax (506) 240-6783, Email: [atbots@ns.ots.ac.cr](mailto:atbots@ns.ots.ac.cr) www: <http://www.ots.ac.cr> www: <http://www.ots.duke.edu/>.

**63rd Annual Meeting, The American Malacological Union**, Santa Barbara, California, June 22-27, 1997. The meeting will be held jointly with the **30th annual meeting of the Western Society of Malacologists**. Two major symposia are scheduled: (1) Deep-Sea Mollusca, convened by Jerry Harasewych [Division of Mollusks, National Museum of Natural History, Washington, DC 20560. Phone 202 786 2073; Fax 202 357 2343, Email [mnhiv006@sivm.si.edu](mailto:mnhiv006@sivm.si.edu)], and (2) Traditional vs. Phylogenetic Systematics, convened by Gary Rosenberg [Malacology, The Academy of Natural Sciences, 1900 Benjamin Franklin Parkway, Philadelphia, PA 19103-1195. Phone 215 299 1033, Fax 215 299 1170, Email [rosenberg@say.acnatsci.org](mailto:rosenberg@say.acnatsci.org)]. There will also be a special session on the cephalopods of the North Pacific chaired by Eric Hochberg [Invertebrate Zoology, Santa Barbara Museum of Natural History, 2559 Puesta del Sol Rd., Santa Barbara, California 93 019. Phone 805 682 4711 (ext. 318), Fax 805 569 3170, Email [inverts@sbnmh.rain.org](mailto:inverts@sbnmh.rain.org)]. General information from Eugene V. Coan, President, AMU, 891 San Jude Avenue, Palo Alto, California 94306-2640, USA. Phone 415 493 8242 (Home), 977 5681 (Office), Fax 415 977 5799, Email [gene.coan@sierraclub.org](mailto:gene.coan@sierraclub.org) OR Henry Chaney, President, WSM, Invertebrate Zoology, Santa Barbara Museum of Natural History, 2559 Puesta del Sol Road, Santa Barbara, California 93105, USA. Phone 805 682 4711 (ext. 334), Fax: 805 569 3170, Email [inverts@sbnmh.rain.org](mailto:inverts@sbnmh.rain.org).

**XV Brazilian Malacology Meeting (XV EBRAM)**, Federal University of Santa Catarina, Florianopolis, Brazil, July 21-25 1997. President of organising committee Prof. Dr. Maria Cristina D. Mansur. For information write to XV EBRAM, XV Encontro Brasileiro de Malacologia, Pontificia Universidade Catolica do Rio Grande do Sul - Pucrs, Instituto De Biociencias, Av. Ipiranga, 6681, predio 12A, sala 211 90619-900 Porto Alegre - RS, Brazil. Phone/Fax 0055 51 3391511 3148 Email [ebram@music.pucrs.br](mailto:ebram@music.pucrs.br) or Prof. Alvaro Fonseca, Av. Ipiranga, 6681, predio 12 sala 34, 90619-900 Porto Alegre - RS - Brazil - Cx.P. (Box) 1429. Phone 051 339 1511 R. 3340, Fax 051 339 1564, Email [afonseca@music.pucrs.br](mailto:afonseca@music.pucrs.br).

**The Seventh Marine Sciences Latin American Congress**, 22-26 September 1997, Sao Paulo, Brazil. The languages of the meeting will be Portuguese, Spanish and English. Information from:- Comissao organizadora do VII COLACMAR, a/c Silvia Helena de Mello e Souza, Instituto Oceanografico da Universidade de Sao Paulo, Praca do Oceanografico, 191- Cidade Universitaria, Butanta, 05508-900, Sao Paulo, SP, Brasil. Email [colacmar@org.usp.br](mailto:colacmar@org.usp.br).



**3rd International Abalone Symposium.** (See UMNL 9) October 1997, Monterey, California.

**The 3rd. Latin American Malacological Congress**, 13-17 October 1997, Ensenada, Mexico. Organised by the Committee for the Latin American Malacological Meetings. The first was held in Caracas, Venezuela in 1991, the second in Porto Alegre, Brazil, in 1995. Contact: M.C. Claudia Farfan, Jefe Departamento de Acuicultura, CICESE, Baja California, Apdo. Postal 2732, Ensenada, BC, Mexico. Phone 617 44501/06 or 45050/53, Fax (in Mexico) 617 44880 (in USA) or 011 52617/44880. Email contact: Dr. Martha Reguero [reguero@unamvm1.dgsca.unam.mx](mailto:reguero@unamvm1.dgsca.unam.mx).

**The 3rd Latin American Congress of Malacology** will be held together the **Fourth Mexican Congress of Malacology and Conchology**, in Ensenada, Baja California, 13 - 17 Oct, 1997. Information is available at: <http://www.cicese.mx/oceano/acuicultura/iiiclama.html> or by writing to Claudia Farfan, Centro de Investigacion Cientifica y de Educacion Superior de Ensenada, Baja California. Km. 107. Carretera Tijuana - Ensenada, Apartado postal 2732, Ensenada, BC. Mexico. Phone 617 450 50 to 53, ext. 24421, Fax 617 642 25, Email [cfarfan@cicese.mx](mailto:cfarfan@cicese.mx), [IIiclama@cicese.mx](mailto:IIiclama@cicese.mx) or [cfarfan@cicese.mx](mailto:cfarfan@cicese.mx), or Martha Reguero Reza, Email [reguero@mar.icmyl.unam.mx](mailto:reguero@mar.icmyl.unam.mx).

**The other 99% - The Conservation and Biodiversity of Invertebrates.** Australian Museum, Sydney, 9-12 Dec., 1997. For further information contact Dr. W.F. Ponder (see contact details on first and last page).

**Society for Integrative and Comparative Biology (formerly the American Society of Zoologists)**, Boston, Jan. 3-7, 1998. Symposia of special interest include 1) Coral Reefs and Environmental Change: Adaptation, Acclimation or Extinction? 2) Evolutionary Relationships of Metazoan Phyla; 3) Development and Evolutionary Perspectives of Major Transformations in Body Organization, and 4) Origin and Further Evolution of Circulatory Systems. The last will "review current knowledge on the origin of circulatory systems, including fluid mechanical design, the function of molluscan circulatory systems, and the evolution of red blood cells." For further information on the meeting, contact the Society for Integrative and Comparative Biology, 401 N. Michigan Avenue, Chicago, IL 60 611-4267, U.S.A. Phone 800 955 1236, Fax 312 245 1085, Email [sicb@sba.com](mailto:sicb@sba.com). Alan Kohn (President).

## Reports on meetings

**Molluscs 97. Symposium on the molluscs of the Indo-West Pacific and Australasian region**, Rottnest Island, Western Australia, organised by Dr F. Wells for the Malacological Society of Australasia was held on 1-4th Feb., 1997. About 60 participants from 16 countries attended. This is the first of regular three yearly meetings planned by the MSA in the Asian-Australasian region. The next meeting will be in Sydney, in 2000.



The first meeting of the **Southern California Unified Malacologists (SCUM)** was held on 11 January 1997 at San Diego State University. SCUM is an informal group of malacologists and does not have any officers, dues or publications. There were twenty-one attendees from the San Diego, Los Angeles and Berkeley areas. The next meeting will be held at the Los Angeles County Museum of Natural History on an unspecified date in 1998. Contact Terry S. Arnold, 2975 B Street, San Diego, CA 92102, USA. Phone (619) 235-8181, Fax (619) 235-0016, Email [tarnold@cts.com](mailto:tarnold@cts.com).

**List of meetings.** Coan, E.V. and Kabat, A.R., 1996. Annotated catalog of malacological meetings, including symposia and workshops in malacology. American Malacological Bulletin, 13(1/2): 129-148. A very useful addition to the literature, even though a few Australian meetings were missed!

## Books

### Unitas Publications available for purchase

#### *Proceedings*

*1st Congress, London (fl. 55,00); 2nd Congress, Copenhagen (fl. 28,00); 3rd Congress, Vienna (fl. 65,00); 4th Congress, Geneva (fl. 145,00); 5th Congress, Milan (fl. 90,00); 6th Congress, Amsterdam (out of print); 7th Congress, Perpignan (fl. 165,00); 8th Congress, Budapest (fl. 65,00); 9th Congress, Edinburgh (fl. 120,00); 10th Congress, Tübingen (fl. 136,00).*

## *Symposium Volumes*

*Second International  
Symposium on Evolution  
and Adaptive Radiation  
of Mollusca,*

*Perpignan, 1980. fl.  
110,00*

*World-Wide Snails.  
Symposium Volume, 1984.  
fl. 85,00*

*Biodiversity and  
Conservation of the  
Mollusca, 1995. fl.  
68,00*

*Ordering address:  
Backhuys Publishers, P.O.  
Box 321, 2300 AH  
Leiden, the  
Netherlands.*

*Phone 31-71-5170208,  
Fax 31-71-5171856,  
Email:*

[backhuys@euronet.](mailto:backhuys@euronet.nl)

[nl](mailto:backhuys@euronet.nl)

*Another symposium  
volume, Prosobranch  
Phylogeny (Malacological  
Review Supplement 4),  
1988 is available from  
Malacological Review, PO  
Box 3037, Ann Arbor,  
MI 48106, USA.*

## *Other Books*

*Cachia C., Mifsud C. & Sammut P.M., 1996. The marine Mollusca of the Maltese Islands (Part 2: Neotaenioglossa). 228 p., 19 black & white plates depicting over 200 species. Paperbound. ISBN 90-73348-48-X. Price NLG 84,00 (US\$ 52.50) (excludes postage or VAT) from Backhuys Publishers, P.O.Box 321, 2300 AH Leiden, the Netherlands. Phone 31 71 517 0208, Fax 31 71 517 1856, Email [backhuys@euronet.nl](mailto:backhuys@euronet.nl)*

---

*Or from Naturama, naturama@mbox.vol.it, Italian Lire 88.000, \$US 59.00, FFR 314 (includes mailing by registered mail). Paperbound. 43 gastropod families are described and about 220 species, with identification keys.*

*Giannuzzi-Savelli, R., Pusateri, F. A., Ebreo, P.C., 1996. Atlas of Mediterranean Seashells (atlante delle conchiglie marine del mediterraneo), Vol. 2 (Caenogastropoda part 1: Discopoda and Heteropoda). Part of an*



*expected 8 volumes monographing the marine seashells of the Mediterranean. This second volume deals with all the 320 recognized species of Discopoda (early Mesogastropoda excluding Ptenoglossa, i.e.: Rissoidae, Cypraeidae and related, Naticidae, Cassidae, Vermetidae, Cerithiidae etc. ) and Heteropoda in 113 color planches with 1300 illustrations. Text in Italian and English. Hard cover, cm 17 x 24, 260 pages with 113 color plates. L. it. 180,000 + 10,000 postage (registered mail), \$US 120.00 + 6.50,*

[naturama@mbox.vol.it](mailto:naturama@mbox.vol.it)

---

*Glaubrecht, M., 1996. Evolutionsökologie und Systematik am Beispiel von Süss- und Brackwasserschnecken (Mollusca: Caenogastropoda: Cerithioidea): Ontogenese-Strategien, palaontologische Befunde und Historische Zoogeographie. xvi, 524 p., 77 text-figs, 5 tables, 25 b/w plates. hardbound. fl. 180,00. Backhuys Publishers, P.O.*

Box 321, 2300 AH  
Leiden, the  
Netherlands. Phone 31-  
71-5170208, Fax 31-  
71-5171856, Email:  
[backhuys@euronet.nl](mailto:backhuys@euronet.nl)

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see also online

catalogue

[http://www.](http://www.euronet.nl/users/backhuys/)

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[euronet.nl/users/](http://www.euronet.nl/users/backhuys/)

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[backhuys/](http://www.euronet.nl/users/backhuys/) or available by

E-mail (send an empty E-  
mail with the subject  
'catalog').

*Harrison, F. W. &  
Kohn, A.J. (eds),  
1997. Volume 6A, B of  
Microscopic Anatomy of  
Invertebrates (Mollusca  
II). Wiley-Liss, New  
York. In two volumes:  
6A (pp. 1-414) covers  
Bivalvia (By M.  
Patricia Morse and John  
Zardus) and Cephalopoda  
(by Bernd U.  
Budelmann, Rudolf  
Schipf, and Sigurd von  
Boletzky). 6B (pp.  
415-828) covers  
Monoplacophora (by  
Gerhard Haszprunar and  
Kurt Schaefer),  
Gastropoda: Pulmonata  
(by Daniel L. Luchtel,  
Arthur W. Martin,  
Ingrith Deyrup-Olsen,  
and the late Harry H.  
Boer), and Scaphopoda  
(by Ronald L. Shimek  
and Gerhard Steiner).*

*Howells, R.G., Neck, R.W. & Murray, H.D., 1996. Freshwater Mussels of Texas. 218 p., ISBN 1-885696-10-8. Cost about \$35.00 including shipping & handling, but pricing may differ when ordering from the distributor (University of Texas Press, P.O. Box 7819, Austin, Texas, 78713-7819). This is a comprehensive publication on the freshwater mussels (unionids) of Texas giving details of names, distribution maps, shell characters, habitat, spawning, glochidia and fish hosts.*

*Kennedy, V.S., Newell, R.I.E. and Eble, A.F. (eds). 1996. The Eastern Oyster: Crassostrea virginica. .*

*772 p.. ISBN 0-943-676-61-4. Maryland Seagrant College. \$US 95.00 + \$US 3.50 shipping. Contains over 400 photos, drawings and diagrams. A comprehensive account including anatomy, histology, biology, culture, genetics, pests etc. Publications*



*Dept, Maryland Sea  
Grant College, 0112  
Skinner Hall,  
University of Maryland,  
College Park, Maryland  
20742, USA. [http://www.  
mdsg.umd.edu/MDSG/PUBS/  
Oyster/index.html](http://www.mdsg.umd.edu/MDSG/PUBS/Oyster/index.html).  
Contact: Merrill  
Leffler, Phone 301 405  
6374, Email  
[leffler@umbi.umd.edu](mailto:leffler@umbi.umd.edu)*

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*Korniushin, A.V.,  
1996. Bivalve molluscs  
of the superfamily  
Pisidioidea in the  
Palearctic Region.  
Fauna, systematics,  
phylogeny. National  
Academy of Science of  
Ukraine. Schmalhausen  
Institute of Zoology,  
Kiev. Pp. 1-176.*

*Reid, David G., 1996.  
Systematics and  
Evolution of Littorina.  
Ray Society volume  
number 164. Retail  
price 89 pounds  
Sterling (142 US  
dollars), plus 6 pounds  
postage and packing in  
the UK and Europe, or  
10 pounds (16 dollars)  
for the rest of the  
world (airmail).  
Species of Littorina  
(19 living and 10  
fossil) are among the  
most intensively studied  
of all marine*

*invertebrates. This excellent new 463-page, large format, hard-bound volume includes taxonomy, anatomy, distribution and details intraspecific variability. Recent studies of life history, gene flow, microevolution and ecophenotypic effects are reviewed in detail. Using a combination of morphological, molecular, genetic and paleontological methods, a robust species-level phylogeny has been reconstructed, and is used to discuss speciation mechanisms, historical biogeography, and morphological adaptation in relation to habitat and diet. The bibliography includes almost 1500 references. Order from Intercept Ltd, PO Box 716, Andover, Hants, SP10 1YG, U.K. Phone 44 1264 334748/9, Fax 44 1264 334058. Cheques or money orders in Sterling (or US dollars, drawn on a US bank) to be made payable to Intercept Ltd.*

*Credit cards  
(Mastercard, Visa,*

*Access, American Express, Eurocard, Switch, Delta) also accepted. Invoices*

*can be sent on receipt of official orders.*

*Further information:*

*Honorary Secretary of the Ray Society, Nick Evans (*

[nje@nhm.ac.uk](mailto:nje@nhm.ac.uk)

*or the author, Dr David G. Reid, Department of Zoology, The Natural History Museum, London SW7 5BD, U.K. Phone 44 171 938 8750, Fax 44 171 938 8754, Email [dgr@nhm.ac.uk](mailto:dgr@nhm.ac.uk)*

*Thorpe, J.E., Gall, G.A. E., Lannan, J. & Nash, C.E., 1995.*

*Conservation of fish and shellfish resources.*

*Managing diversity. 224 pp. Academic Press.*

*Baillie, J. &*

*Groombridge, B., The 1996 Red List of Threatened Animals. ISBN 2-8317-0335-2.*

*IUCN,, Gland,*

*Switzerland. Also*

*accessible by WWW from the World Conservation Monitoring Centre*

*<http://www.wcmc.org.uk>.*

*The new Red List*

*contains about 10,000 species, with nearly*



*5000 in the higher risk "Threatened" categories. Some 20% of the animals listed are Molluscs. The file may be accessed through the webserver at the World Conservation Monitoring centre. Mary Seddon, when posting this notice, noted that there are a few errors in the molluscan files which will be rectified as soon as possible. If you find errors or wish to draw attention to omissions or data which may lead to review of the categories or criteria, please contact Dr Mary Seddon, Curator (Terrestrial Mollusca), Nat.Mus.& Gall.Wales, Cathays Park, Cardiff, UK, CF1 3NP, Phone 44 1222 573343 or 44 1222 397951, Fax 44 1222 373219, Email [Seddonm@cardiff.ac.uk](mailto:Seddonm@cardiff.ac.uk)*

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*New listing of molluscan names. A revamp of Vaught's listing of molluscan taxa is being undertaken and should be published soon. Information from Victor Millard, P.O.Box 27208, Rhine Road, 8050, South Africa. Phone 27 21 430 8215,*

Fax 27 21 430 8420,

Email [millardv@sabc.co.](mailto:millardv@sabc.co.za)

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[za](#). A further announcement will be made when the book appears.

## *Society, Journal and Newsletter Announcements*

*The Yuriyagai, Journal of The Malacozoological Association of Yamaguchi (Japan) is a journal of malacology published by the association since 1988. Yamaguchi Prefecture is located in the westernmost part of Honshu,*

*Japan and has a molluscan fauna of more than 2,200 marine, freshwater and terrestrial species. Malacological articles relevant to Yamaguchi and its adjacent areas may be submitted to the Journal. It is biannually published. Subscription to each volume is 3000 yen including postage. All checks should be payable*

*to The Malacological*

*Association of Yamaguchi*  
(subscriptions to  
*Hiroshi Yoshizaki,*  
*Ihonosho 582-6, Yanai,*  
*Yamaguchi 742-13,*  
*Japan*). The latest  
issue (vol. 4, no. 1 &  
2, Oct. 1996) consists  
of 200 pages with 7  
color plates. Enquiries  
about the journal to:  
*Hiroshi Fukuda,*  
*Department of Natural*  
*History, Faculty of*  
*Science, Tokyo,*  
*Metropolitan University,*  
*Minami-ohsawa 1-1,*  
*Hachioji, Tokyo 192-*  
*03, Japan. Phone 81*  
*426 77 2428, Fax 81*  
*426 77 2421, Email:*  
[assimine@comp.metro-u.ac.](mailto:assimine@comp.metro-u.ac.jp)  
[jp](http://www.metro-u.ac.jp).

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*New editor for*  
*Molluscan Research.*  
*Brian Smith is now the*  
*editor of Molluscan*  
*Research, having taken*  
*over from Fred Wells who*  
*has been editor of this*  
*journal and its*  
*forrunner, The Journal*  
*of the Malacological*  
*Society of Australia,*  
*since 1980. Fred Wells*  
*will see the next two*  
*issues out but all*  
*manuscripts and*  
*editorial enquiries*  
*should be sent to Brian*  
*Smith. Contact details:*  
*Dr Brian Smith,*



*Research Associate,  
Queen Victoria Museum  
and Art Gallery,  
Wellington Street,  
Launceston, Tasmania  
7250, Australia. Phone  
41 3 6331 6777, Fax  
41 3 6334 5230, Email  
[bsmith@tassie.net.au](mailto:bsmith@tassie.net.au)*

OR

*[brian@qvmag.tased.edu.au](mailto:brian@qvmag.tased.edu.au)*

*The Veliger. The home  
page,*

*[http://ucmp1.](http://ucmp1.berkeley.edu/barryr/veliger.html)*

*[berkeley.edu/barryr/](http://ucmp1.berkeley.edu/barryr/veliger.html)*

*[veliger.html](http://ucmp1.berkeley.edu/barryr/veliger.html), contains*

*information for  
subscribers and*

*contributors. Editor:*

*Barry Roth, Research  
Associate, Museum of  
Paleontology, University  
of California,*

*Berkeley, CA 94117 USA*

*Phone 415 387 8538,*

*Email [barryr@ucmp1.](mailto:barryr@ucmp1.berkeley.edu)*

*[berkeley.edu](http://ucmp1.berkeley.edu)*

*Bulletin of the  
Malacological Society of  
London. The editor of  
this excellent 6-  
monthly newsletter,  
which goes to press at  
the beginning of August  
and February, would be  
pleased to publish  
details of forthcoming  
conferences, books, and  
any other news and  
comment which would  
interest the 300+*

*members (very few of whom live in London!).*  
*Send copy to Bill Bailey, 3.614 School of Biological Sciences, Stopford Building, The University of Manchester, Oxford Rd, Manchester M13 9PT, UK. Phone 0161 275 3861, Fax 0161 275 3938, Email*

[bbailey@fs2.scg.](mailto:bbailey@fs2.scg.man.ac.uk)

[man.ac.uk](http://man.ac.uk)

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*Tentacle. Newsletter of the Mollusc Specialist Group (MSG) of the Species Survival Commission (SSC) of the World Conservation Union (IUCN)(see also UMNL 9). Editor Dr. Robert H. Cowie is soliciting articles, information, news, etc for the next issue (anything dealing with molluscan conservation). Send them by fax, mail or email. Dr. Robert H. Cowie, Department of Natural Sciences, Bishop Museum, P.O. Box 19000-A, Honolulu, Hawaii 96817-0916, U.S.A. Phone 808 848 4118, Fax 808 841 8968, Email*

[rhcowie@bishop.bishop.](mailto:rhcowie@bishop.bishop.hawaii.org)

[hawaii.org](http://hawaii.org)

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*Hawaiian Shell News.*

*After more than fifty years of publishing, the Board of Directors of the Hawaiian Malacological Society has decided reluctantly to cease publication of the hard copy because of declining membership and funds. However Hawaiian Shell News will continue to be published electronically on the HSN web page at <http://www.hits.net/>*

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*[~hsn](mailto:~hsn). Membership (\$US 15.00), Hawaiian Malacological Society, P. O. Box 22130, Honolulu, HI 96823-2130. Thomas A. Burch, Editor, Hawaiian Shell News, . P.O.Box 309, Kailua, Hawaii 96734, USA. Phone 808 261 7465, Fax 808 263 6408, Email [tab@hits.net](mailto:tab@hits.net).*

*[tab@hits.net](mailto:tab@hits.net)*

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*Conchologists of America are celebrating their 25th year. Started in 1972 by eight enthusiasts in Rhode Island with the purpose of uniting shell collectors and clubs in the United States, and to promote conservation and interest in shell collecting. Membership is now almost 1400 worldwide, plus 52*



*clubs (Membership  
Director Lucille Green,  
12307 Laneview Drive,  
Houston TX 77070-2443  
USA. Phone 713-376  
5630, Email  
[DAVEGREEN@GNN.COM](mailto:DAVEGREEN@GNN.COM)*

). The

*Society also makes  
annual grants to  
workers in malacology,  
with about \$9000  
awarded last year and  
publishes a quarterly  
journal, American  
Conchologist edited by  
Lynn Scheu which  
contains articles by  
professionals and  
amateurs. Annual  
conventions hosted by  
various US clubs are  
also held (information  
from Anne Joffe, 1163  
Kittiwake Circle,  
Sanibel FL 33957,  
USA).*

*The Conchologists  
Network, (Conch-Net)  
[http://coa.acnatsci.org/  
conchnet/](http://coa.acnatsci.org/conchnet/)*

*is a large and*

*growing site about COA,  
and contains a wealth  
of information about  
molluscs, conservation,  
shell collecting, and  
more. COA Listserv  
(Conch-L) is an email-  
based discussion group  
that currently has 233  
members world-wide.  
Instructions for joining*

*it are given on Conch-Net. More information on these two additions to COA can*

*be found in the June, 1996 issue of American Conchologist and on Conch-Net. COA membership is not required for their use.*

## *Theses*

*Adams, S (1995) An X-ray microanalytical and secondary ion mass spectroscopy study of granular concretions in Hyridella depressa to determine their use as bioindicators of river health. MSc Thesis, University of Sydney 142pp*

*Defossez, Jean-Marie (1996). Ecophysiologie de la nutrition de deux palourdes : Tapes decussatus (L) et Ruditapes philippinarum (Adams & Reeves) [Mollusca, Bivalvia, Veneridae]. Of particular interest in this excellent thesis is the new and very important role assigned to pseudofaeces. For*

*more information or  
future reprints,  
contact Mathieu  
Poulicek, Unité  
d'Ecologie Marine,  
Laboratoire d'Ecologie  
animale et  
d'Ecotoxicologie,  
Institut de Zoologie,  
22, Quai van Beneden,  
B-4020 Liège,  
Université de Liège,  
Belgium. Phone 32 4  
366 5067, Fax 32 4  
366 5010, Email  
[mpoulicek@ulg.ac.be](mailto:mpoulicek@ulg.ac.be)*

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*deMaintenon, Marta J.  
(1996). Phylogenetic  
studies of Columbelloidea  
(Mollusca:  
Neogastropoda):*

*higher-level  
evolutionary patterns  
in anatomy, ecology,  
and biogeography,  
species-level diversity  
patterns in the Neogene  
American tropics.  
Department of  
Integrative Biology  
(affiliated with the  
Museum of Paleontology),  
University of  
California, Berkeley.  
The chapters of this  
dissertation comprise a  
series of phylogenetic  
studies of the  
neogastropod family  
Columbellidae. The  
studies focus on*



*columbellid evolution at two levels. In the first chapters, higher level cladistic relationships are assessed to provide a baseline for species-level systematic studies and investigation of evolutionary patterns in columbellid clades. Second, the phylogenetic relationships of the Recent and fossil species of two tropical American columbellid taxa are assessed to investigate patterns of evolution in shallow marine taxa, relative to the uplift and emergence of the Panamanian Isthmus 3.5 million years ago. Email [martajm@uclink2.berkeley.edu](mailto:martajm@uclink2.berkeley.edu).*

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*McArthur, A.G. (1996). Molecular Investigation of the Evolutionary Origins of Hydrothermal Vent Gastropods. A molecular systematic investigation of gastropod phylogeny was performed to examine the antiquity of the vent endemic Neomphalina. Twenty-three new D1 domain and thirty new D6 domain DNA sequences of the 28S ribosomal RNA gene were*

*obtained. Alone, either domain exhibited poor*

*resolution of gastropod phylogeny but together (32 genera only) monophyly of the Neritimorpha, Neomphalina, Vetigastropoda, Patellogastropoda, Caenogastropoda (including Viviparus, Ampullaria, and Campanile), and Heterobranchia (Euthyneura plus Valvata) was supported by bootstrap values. Relationships among these groups could not be resolved due to saturation of substitutions. The hydrothermal vent Neomphalina exhibited divergence values and phylogenetic novelty equivalent to the other early-Paleozoic radiations, supporting its consideration as a vent refugial phylogenetic relic. University of Victoria, Faculty of Graduate Studies. Andrew is about to take up a Smithsonian Institution Postdoctoral Fellowship at the Laboratory of Molecular Systematics, National Museum of*

*Natural History,  
Washington, D.C., USA.*

*Phone 301 238 3444,*

*Fax 301 238 3059,*

*Email [mcarthur@onyx.si](mailto:mcarthur@onyx.si).*

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*[edu](mailto:mcarthur@onyx.si).*

*Scott, B. (1996).  
Systematics, phylogeny  
and biogeography of the  
larger camaenid land  
snails*

*of eastern Queensland  
rainforests (Pulmonata:  
Stylommatophora:  
Camaenidae). Department  
of Zoology and Tropical  
Ecology, James Cook  
University of North  
Queensland, Australia  
(Email: [zlbjs@jcu.edu.au](mailto:zlbjs@jcu.edu.au)). This thesis  
revises the genera and  
species of the hadroid  
camaenids, a  
monophyletic group of  
land snails from the  
rainforests of eastern  
Queensland, and  
examines the  
phylogenetic  
relationships and  
historical biogeography  
of members of this clade  
using cladistic analyses  
of conchological and  
anatomical data. It  
also uses cladistic  
techniques to  
investigate evolutionary*



*relationships within the superfamily Helicoidea, providing evidence for non-monophyly of the Camaenidae. Bronwen Scott, Department of Zoology, James Cook University, Townsville, Queensland 4811, Australia. Phone 77 81 4171/4540, Fax 77 25 1570, Email [Scott@jcu.edu.au](mailto:Scott@jcu.edu.au)*

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*[Bronwen.](#)*

## *Molluscan mailing*

## *lists*

*Mollusca mailing list. The first molluscan mailing list and is indexed and fully searchable. To subscribe - email to [listproc@ucmp1.berkeley.edu](mailto:listproc@ucmp1.berkeley.edu) and send the following message:-  
subscribe mollusca <your full name>. To post items email messages to:- [mollusca@ucmp1.berkeley.edu](mailto:mollusca@ucmp1.berkeley.edu).  
Maintained by Rob Guralnick,  
[robg@ucmp1.berkeley.edu](mailto:robg@ucmp1.berkeley.edu)*

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*Mollusca had a few hiccups a while back but is running smoothly now with the same address*

as before. However, the Mollusca archives and Mollia have moved to [www.ucmp.berkeley.edu](http://www.ucmp.berkeley.edu).

You can access mollia

at:- [http://www.ucmp.](http://www.ucmp.berkeley.edu/mologis/mollia.html)

[berkeley.edu/mologis/](http://www.ucmp.berkeley.edu/mologis/)

[mollia.html](http://www.ucmp.berkeley.edu/mologis/mollia.html).

See NL 10 for additional mailing lists.

## Mollusc WWW sites

Mollia (see NL 10) has moved to a new server. This site contains the Unitas newsletters and many other resources and links. The new address

is:- [http://www.ucmp.](http://www.ucmp.berkeley.edu/mologis/mollia.html)

[berkeley.edu/mologis/](http://www.ucmp.berkeley.edu/mologis/)

[mollia.html](http://www.ucmp.berkeley.edu/mologis/mollia.html).

Conchologists of America, Inc. (see NL 10 and above).

[http://](http://coa.acnatsci.org/conchnet/)

[coa.acnatsci.org/](http://coa.acnatsci.org/conchnet/)

[conchnet/](http://coa.acnatsci.org/conchnet/) contains many

useful links and resources.

The Opisthobranch Web site.

[http://www.oz.](http://www.oz.net/~miranda)

[net/~miranda](http://www.oz.net/~miranda)

. Steve

Long reports: It is going very well with about 400 visitors per

*month. The search engine is operating well, accessing over 10,000 bibliographic citations, as well as taxonomic and systematic lists. In addition, over 400 links to color photos of opisthobranchs on the net. The Opisthobranch Newsletter is on the site each month. Species lists and bibliographies of pyramidellids, heteropods, and lamellarids are currently being built and your help would be appreciated. Steven J. Long, 20220 21st Ave NW, Shoreline, WA98177, USA. Phone 206 618 2272, 1 800 793 6188, Email [miranda@oz.net](mailto:miranda@oz.net)*

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*F. G. Thompson's Fieldguide to the Freshwater Snails of Florida' is an indication of what we can expect in the future in the way of electronic field guides. It is on the Florida Museum of Natural history world wide web pages at:*

*[http://www.](http://www.flmnh.ufl.edu/natsci/malacology/fl-snail/)*

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*[flmnh.ufl.edu/natsci/malacology/fl-snail/](http://www.flmnh.ufl.edu/natsci/malacology/fl-snail/)*

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[snails1.htm](#)

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*Bishop Museum's Hawaii Biological Survey is developing a WWW database on Hawaii's biodiversity.*

<http://>

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[www.bishop.hawaii.org/bishop/hbs/hbs1.html](http://www.bishop.hawaii.org/bishop/hbs/hbs1.html)

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*Species checklists for the 22,000 species of Hawaiian organisms are being posted.*

*Terrestrial arthropods, land and freshwater snails, flowering plants, mammals, reptiles, amphibians, and birds are now available in searchable interfaces (12,528 species in total). The HBS web server now includes current status as listed by the US Fish and Wildlife Service for all threatened and endangered species, as well as candidate species (including what used to be called "C2" species) for all but a few fish and invertebrates (to be added shortly). Email [hbs@bishop.bishop.hawaii.org](mailto:hbs@bishop.bishop.hawaii.org)*

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[org](#)

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*Worldwide list of mollusc research collections, including*

*their curators,  
collection managers,  
phone numbers, e-mail  
addresses, etc.*

<http://>

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[www.inhs.uiuc.edu/cbd/](http://www.inhs.uiuc.edu/cbd/)

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[main/collections/](http://www.inhs.uiuc.edu/cbd/main/collections/)

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[mollusk\\_links/museumlist.](http://www.inhs.uiuc.edu/cbd/main/collections/mollusk_links/museumlist.html)

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[html](http://www.inhs.uiuc.edu/cbd/main/collections/mollusk_links/museumlist.html). Comments,

additions and changes

welcome. Kevin S.

Cummings, Illinois

Natural History Survey,

607 E. Peabody Drive,

Champaign, IL 61820,

Phone 217 333 1623,

Email

[ksc@mail.inhs.uiuc.](mailto:ksc@mail.inhs.uiuc)

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[edu](http://www.inhs.uiuc.edu).

*UNIO, will focus on  
the biology, ecology and  
evolution of freshwater  
unionid mussels. Also  
mussel conservation  
issues, including the  
artificial propagation  
and captive rearing of  
threatened and  
endangered species, are  
especially welcomed.  
Subscribers are also  
encouraged to use the  
list to post  
information on mussel-  
related meetings,  
symposia, workshops, and  
funding opportunities.  
To subscribe send an  
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Majordomo@lists.umbc.edu  
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the text of the message  
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*email address - nothing more. A WWW home page for UNIO is currently under construction at <http://www.umbc.edu/>*

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*[unisto](http://www.umbc.edu/unisto). It will eventually contain archives of postings to UNIO as well as a list of Internet resources and an address book containing the names and email addresses of scientist currently working on mussel related projects.*

*Administered by Dr. Richard Tankersley, Department of Biological Sciences, University of Maryland Baltimore County, 1000 Hilltop Circle, Baltimore, Maryland 21250 Phone 410 455-3381, Email [tankersl@umbc.edu](mailto:tankersl@umbc.edu)*

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*<http://research.umbc.edu/~tankersl/>*

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*Nederlandse Malacologische Vereniging (Malacological Society Of The Netherlands).*

*<http://web.inter.nl.net/users/Meijer.T/nmv.html>*

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*[html](http://web.inter.nl.net/users/Meijer.T/nmv.html). This new homepage provides information about the society and members and malacological happenings in the Netherlands. Also information about*



*the society's publications (with instructions for authors), e-mail addresses of members, and information about collections, interests, and activities of members. As yet, the homepage is almost completely written in the Dutch language but the intention is to make a complete English version. Administered by Tom Meijer.*

*See NL 10 for additional WWW sites.*

## *Obituaries*

*Mario Angioy, one of the founders of La Conchiglia, or The Shell, which first appeared in 1969, died on the 20th of January.*

*Piet Kaas, a research assistant at the NNM in Leiden, and one of the world leading experts on Polyplacophora, died in June. From the early fifties he produced a large number of publications on chitons was writing a six-part monograph of the living chitons together with Richard van Belle, of*

*which 5 volumes are finished.*

*Harald Rehder, Zoologist (Emeritus), in the Department of Invertebrate Zoology, National Museum of Natural History, Smithsonian Institution, died on November 10, 1996. Dr. Rehder served as a curator in the NMNH for more than 40 years before retiring in 1976. He published over 140 papers and, although having broad research involvement in malacology, was especially renowned as an authority on the taxonomy and biogeography of marine molluscs of the southern Indo-Pacific.*

## *Membership*

*Current annual subscription to Unitas Malacologica is Swiss francs 25. Account no.: 10-941,085.0, Swiss Bank Corporation, CH-4002 Basel. Visa, Eurocard and Mastercard are accepted as are all other kinds of payment*

*mentioned in previous newsletters: international money order, payment by eurocheque or personal cheque, by bank draft or even by sending cash. Only in this latter case is a receipt sent unless requested.*

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*Application for membership can be made by writing to (or faxing) the Secretary (Prof. E. Gittenberger) or the Treasurer, Dr J. Van Goethem (address above).*

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