

From the Chair:

From Stimpson to EMu

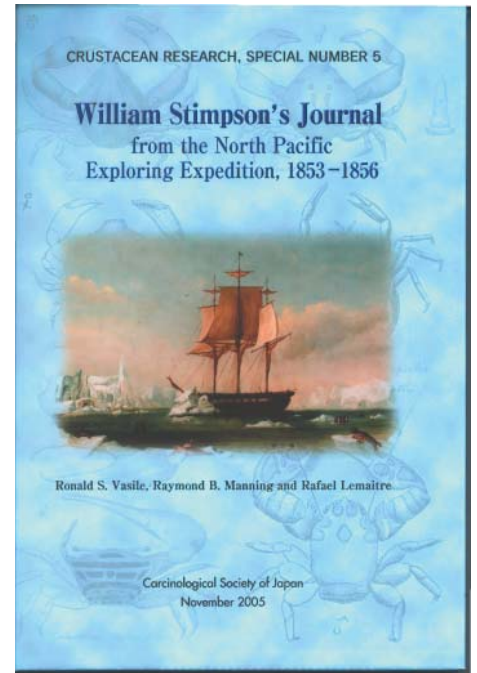


NEWSLETTER
NO BONES

is published quarterly by the
Department of Invertebrate Zoology
National Museum of Natural History
Smithsonian Institution

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The long-awaited publication of William Stimpson's (1832-1872) journal from the North Pacific Exploring Expedition (1853-1856) has finally appeared, nearly 150 years after this important Expedition returned to the U.S. (see cover page reproduced). This publication is of the utmost historical and biological importance for it brings to print, for the first time, Stimpson's original hand-written notes from that Expedition, so rich in natural history observations. The name, however, is a misnomer, for it really went around the world, and only 23% of the time was spent in the North Pacific! Some consider this the forgotten Expedition of the 19th century because no official report was ever published, in contrast to the earlier U.S. Exploring Expedition (1832-1842), which achieved lasting fame thanks to publication of twenty volumes of government reports, books, and even a museum exhibit. We in IZ know full well that Stimpson was the chief naturalist on board the *USS Vincennes* (one of the ships used); that he became the first curator of invertebrates at the Smithsonian; and that most of his invertebrate collections and manuscripts were lost during the tragedy of the great Chicago fire of 1871. It is some consolation that Stimpson was a fan of exchanging specimens with other museums, and thus some of his specimens and types are still showing up in other places. Indeed there is a lesson for us all here. Stimpson's remains, I should add, ungratefully still lay in an unmarked grave in Ellicott City, Maryland, ironically not far from the Smithsonian.



This publication was possible because mercifully, Stimpson's valuable journal survived in the SI Archives, along with a number of other manuscript documents, and some original, amazing illustrations apparently done by Stimpson himself. This journal is of particular interest not just to IZ but to the whole museum because the Expedition brought many specimens of vertebrates, flowering plants and algae. This hardcover edition, published by The Carcinological Society of Japan, includes among other things an introduction to the history and scientific significance of the Expedition, an

continued on page 3

SPOTLIGHT ON STAFF

New Faces for IZ Libraries**Rose Gulledge**

Gil Taylor

Photo by Rose Gulledge

With assistance from SIL technician **Ron Lindsey**, Museum Support Center Librarian **Gil Taylor** will be at the Invertebrate Zoology Libraries regularly on Thursday afternoons, filling in part of the role of former and now retired SIL librarian Bob Skarr.

Gil has been working in academic and research libraries since 1983, and was the SI Vertebrate Zoology librarian in 1990-1991 before going to MSC. He is a familiar face around the museums to many of you who have any business with MSC (he also can't be missed - he stands 6' 4"). If you haven't done so already, please introduce yourself to Gil when you see him in the department. Let him know of any of problems, concerns or comments about library services or collections. He's also happy to receive e-mails at any time about library issues.

We'd like to thank Richard Greene for his assistance in keeping the IZ libraries running smoothly until Gil's and Ron's arrival. Richard continues to provide the listing of new publications for the newsletter.

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Please submit news or articles
via email or disk by the **15th of
March.**

Publication in this newsletter does
not constitute publication in a
taxonomic or any other scientific
context.

LIBRARY**NEW TITLES: INVERTEBRATE LIBRARIES**

September 1– October 31, 2005

- Bizkov, V. A. The Shell in Vampyropoda (Cephalopoda): Morphology, Functional Role and Evolution. Ruthenica, Supplement 3. Moscow: Ruthenica, 2004.*
- Campos, Martha R. Freshwater Crabs from Colombia: a taxonomic and distributional study. Academia Colombiana de Ciencias Exacta, Físicas y Naturales Colección Jorge Álvarez Lleras No. 24. Bogotá: Academia Colombiana de Ciencias Exacta, Físicas y Naturales, 2005.*
- Check List of Echinoderms in Vietnam, vol. 1: Crinoidea and Echinoidea. Science and Technics Publishing House, 1994.*
- Proceedings of the 9th International Coral Reef Symposium, 2000, Bali, Indonesia, Volumes 1 and 2. Ministry of Environment; Indonesian Institute of Sciences; International Society for Reef Studies, 2002.*
- Revision of Jurassic Ammonites of the Gemmellaro Collections. Quaderni del Museo Geologico, 6. Palermo: Università di Palermo, 2002.*
- Strachelhäuter 2004: 3. Arbeitstreffen deutschsprachiger Enchinodermenforscher Ingelfingen, 29. bis 31. Oktober 2004: Arbeiten & Kurzfassungen der Vorträge und Poster. Echinoderms 2004: 3rd meeting of German-speaking Echinodermologists, October 29-31, 2004, Ingelfingen: Papers & abstracts of talks and posters. Göttingen: Universitätsdrucke Göttingen, 2004.*
- Taylor, Paul D. and Lewis, David N. Fossil Invertebrates. Cambridge: Harvard University Press, 2005.*

SPOTLIGHT ON STAFF CONTINUED

IZers honored in recent ceremony

Cindy Ahearn and Cristián Samper

Photo by Chip Clark

During a ceremony held November 6 in the Baird auditorium, **Cindy Ahearn** received a Peer Recognition Award for her Public Outreach. Also, the following IZers received Career Awards for length of service. Congratulations, and thanks to all of them for their dedication to the Department and the Museum. 40 years: **Klaus Ruetzler**, 30 years: **Linda Cole**, 20 years: **Jerry Harasewych** and **Robert Hershler**, 10 years: **Geoff Keel**, **Bill Moser**, and **Yolanda Villacampa**.



Front row (left to right): Yolanda Villacampa and Linda Cole; Back row: Rafael Lemaitre, Geoff Keel, Bill Moser and Cristián Samper

Photo by Chip Clark

COVER STORY CONTINUED

annotated list of Crustacea, color illustrations of several decapods, and a reproduction of the Crustacea part of Stimpson's landmark work, the *Prodromus*, an 8-part series published in Latin from 1857-1860.

Most in IZ also know that publishing this journal was possible only because this was one of **Ray Manning's** major projects that he regrettably left unfinished at the time of his death six years ago. It fell upon yours truly and Ron Vasile (Ray's co-author and historian from Chicago) to rescue and collate Ray's extensive notes, which had taken him many years to put together. Ray had planned to include all sorts of information on invertebrates and vertebrates, but unfortunately it was impossible for us to reconstruct or complete many files other than those for the Crustacea. Thus, detailed information was included only for the latter.

Yet there is an interesting experience that I should note as part of this story, and that vividly brings to light one of our most pressing needs in IZ (and also in other departments), i.e., the cataloguing of important collections, and reducing the backlog of computer records. While attempting to fully understand how many specimens from the Expedition are deposited in the Museum, I contacted collection managers from various departments. I was expecting that such valuable information could be produced with only the push of a few modern buttons. It was then that I discovered that various departments have not completed entering into the computer database (EMu or other) the records for specimens from this Expedition. Unless the search is done manually, the information cannot be compiled accurately. Indeed, the main problem is the lack of sufficient staff that could tackle the highly technical data-entering tasks that are now required to enter EMu records. However, it is also a matter of setting priorities and devoting proper resources on a museum-wide basis. Hopefully the several central funds now available for collections care and preservation will, and should be, one way to remedy this grave defect that prevents us from making collections information not only widely accessible, but accurate.

(Copies of this publication can be obtained at the cost of JY 3,000, including postage, from the office of the Carcinological Society of Japan (**Dr. Seiichi Watanabe, Secretary**, society-watanabe@s.kaiyodai.ac.jp). Visa or Master card can be used)

RESEARCH & TRAVEL

*Researchers Undaunted by Hurricane**Geoff Keel and Kristian Fauchald*

Geoff Keel, Kristian Fauchald, Cristina Gambi, and Adriana Giangrande

Photo by Mike Carpenter

On a recent collecting trip to Carrie Bow Key, **Kristian Fauchald** and **Geoff Keel** experienced the effects of hurricane Wilma and tropical storm Gamma. Despite the wet and windy weather, they were successful in making a good collection of scaleworms. Visiting Italian researchers Cristina Gambi of the Stazione Zoologica, Naples and Adriana Giangrande of the University of Lecce were also able to obtain lots of their quarry—*Lysidice* and *Nematonereis* (worms).

In addition to being excellent polychaete biologists, Cristina and Adriana are also musicians and singers and entertained with songs from madrigals and opera to the Beatles and beyond. They even provided the music for a party held in honor of Mike Carpenter's birthday.

PRESENTATIONS AND TRAVEL

Jon Norenburg was at Uppsala University in Sweden, September 11–23, working with Mikael Thollesson, his former postdoctoral fellow on an SI Scholarly Studies award. Jon and Mikael hoped to use previously unanalyzed DNA sequence data from additional genes to obtain better resolution of the deep divergences in a molecular phylogeny for the phylum that they published two years ago. Unfortunately, the data support their previous findings but provide little additional resolution. Instead, they developed a strategy for approaching this problem with new data and samples, and they began collaborating on analyzing in more detail the relationships of worms within several of the well-supported groupings in their phylogeny.

Jon also participated in the "Marine Barcoding Workshop" hosted by STRI at the Bocas del Toro facility September 25–30. The event was convened by Nancy Knowlton and Biff Bermingham. Also in attendance were **Valerie Paul**, of the Smithsonian Marine Station at Fort Pierce, and **Lee Weigt**, of the NMNH molecular laboratory. A wide variety of non-SI researchers participated. The focus of the workshop was the prospect of inventorying the biota of one or more coral reefs and cataloging it with genetic "barcode" data. This would be a very large undertaking for the relatively well-known biota for which there is substantial taxonomic expertise in the world.

A major emerging issue was what to do about the almost unknown diversity of the less charismatic and largely unstudied groups of plants and animals (never mind microbes), most of which also are relatively cryptic in habitat. For instance, a small bucket of coarse sediment may include several hundred species representing 10–15 phyla of animals, for most of which there is little to no taxonomic expertise available. Assessing diversity among other organisms faces similar challenges. The workshop served to identify the major challenges, which individuals or groups will now explore further. Participants expect to generate a proposal for an inventory and barcoding initiative.

Martha Nizinski participated as a collaborating scientist on a USGS-sponsored multi-disciplinary cruise in the Gulf of Mexico to examine deep-water coral reefs (September 15–21). The researchers sailed on the RV Seward Johnson out of Harbor Branch Oceanographic Institution in Florida and used the submersible Johnson Sea Link to collect data and specimens.

Martha also participated in the NOAA Ocean Exploration funded cruise Life on the Edge 2005, from October 16–November 4, investigating deepwater coral reefs off the coast of the southeastern U.S. (North Carolina to central Florida). Martha is a co-PI on this work. This cruise was a NOAA-OE "Signature Mission." Daily logs were posted on the NOAA

Continued on page 5

RESEARCH & TRAVEL CONTINUED

website so the general public could follow the activities. The primary goals of the mission include characterization of the invertebrate and fish assemblages associated with these habitats, classification of reef and off-reef habitat zones, documentation of habitat affinities of the reef associated invertebrate assemblage, collection of corals and associated fauna for phylogenetic, phylogeographic, and community genetics. For additional details, consult the following website: (<http://oceanexplorer.noaa.gov/explorations/05coralbanks/welcome.html>)

Jerry Harasewych recently took part in another leg of the above-mentioned cruise and wrote the November 19 weblog article *Well Worth the Wait, A Wealth of Specimens* for the *Ocean Explorer* website. In addition to photos, three video clips are included and can be viewed at:

<http://oceanexplorer.noaa.gov/explorations/05deepcorals/logs/nov19/nov19.htm>

Allen Collins co-taught (with Jennifer Collins, his wife) two workshops for teachers at the Virginia Association of Science Teachers annual professional development conference in Roanoke, Virginia, November 17 to 19. Both workshops were evolution themed. The first focused on lessons about VIST (Variation, Inheritance, Selection, & Time) and the Nature of Science, whereas the second centered on phylogeny and tree thinking, with an emphasis on why so many biologists make hypotheses about the evolutionary relationships among organisms.

Steve Cairns played an important role at the *Third International Symposium on Deep-Water Corals*, held at his alma mater, the Rosenstiel School of Marine Science at the University of Miami (November 29–December 2, 2005). Steve presented the keynote address of the symposium, was convener of the first session on *Systematics And Zoogeography Of Deep-Water Corals*, and is one of two editors of the proposed symposium volume, which will be published in the *Bulletin of Marine Science* in March 2007.

Steve's talk concluded with a world map of the biodiversity of all species of deep-water corals, showing areas of high and low diversity. This was the first map ever compiled showing species level species contours of corals, and was one of the results of 32 years working on the group. The areas of high biodiversity corresponded to large, stable regions of sea-floor at depths of 200–1000 m; the areas of low diversity to regions at which the aragonite saturation horizon (ASH) is shallow. Since the ASH becomes shallower as we pump more CO₂ into the atmosphere and oceans, it is possible that within 100 years it may become so shallow that there will be no more deep-water corals, as they will not be able to extract aragonite from the water.

Martha Nizinski also attended the symposium. She presented a paper on habitat utilization and species-specific associations between galatheoid crabs and deepwater corals off the southeastern United States. Martha was also an author on another oral presentation and two posters.

PUBLICATIONS

- Cairns, S.D.** and F.M. Bayer. 2005. A review of the genus *Primnoa* (Octocorallia: Gorgonacea: Primnoidae), with the description of two new species. *Bulletin of Marine Science*. 77: 225-256.
- Collins A.G.**, Bentlage, B., Matsumoto G. I., Haddock, S.H.D., Osborn, K., and B. Schierwater. 2005. Solution to the phylogenetic enigma of *Tetraplatia*, a worm-shaped cnidarian. *Biology Letters*: (doi:10.1098/rsbl.2005.0372.)
- Collins, A.G.**, P. Cartwright, C.S. McFadden and B. Schierwater. 2005. Phylogenetic context and basal metazoan model systems. *Integr. Comp. Biol.* 45: 585-594.
- Collins, A.G.** and M. Daly. 2005. A new deepwater species of Stauromedusae, *Lucernaria janetae* (Cnidaria, Staurozoa, Lucernariidae), and a preliminary investigation of stauromedusan phylogeny based on nuclear and mitochondrial rDNA data. *Biological Bulletin* 208: 221-230.
- Collins, A.G.**, S. Winkelmann, H. Hadrys and B. Schierwater. 2005. Phylogeny of Capitata (Cnidaria, Hydrozoa) and Corynidae in light of mitochondrial 16S rDNA data. *Zoologica Scripta* 34: 91-99.
- Díaz, M.C., R.W. van Soest, **K. Rützler** and H.M. Guzman. 2005. *Aplysina chiriquiensis*, a new pedunculate sponge from the Gulf of Chiriquí, Panamá, Eastern Pacific (Aplysinidae, Verongida). *Zootaxa* 1012: 1-12.

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Carnegie Lab Celebrates Centennial

Klaus Ruetzler

Klaus Ruetzler and Carla Dietrich, representing the Museum's Caribbean Coral Reef Ecosystems Program (CCRE), attended the Centennial celebration of the Carnegie Dry Tortugas in Key West, Florida. The meeting was dedicated to the first coral reef field-research station in the Western Hemisphere, founded by Alfred G. Mayor, a specialist on medusae (jellyfish), at Loggerhead Key, Dry Tortugas, Florida, in 1905.

The meeting, organized by staff of the University of Miami, was attended by some 130 representatives of universities, Florida State and U.S. Government, and reef-dedicated NGO's, and included a field trip to Ft. Jefferson and Loggerhead Key to view the site of the laboratory and the principal research and collecting locations of its visitors. Klaus Ruetzler presented a tribute

to the accomplishments for modern sponge biology at the Tortugas Laboratory (another contribution was by Invertebrate Zoology NMFS Associate **Allen Collins**, on Mayor's work on medusae).

Many inspiring publications were issued as Papers from Tortugas Laboratory, most of them the result of pioneering coral-reef research and methodology, including the use of surface-air supplied dive helmets which allowed dives to at least 20 m and underwater photography employing magnesium flares for illumination (the camera is now housed in the National Museum of American History). Our own **Waldo L. Schmitt** was reported to have collected 1,639 specimens at Dry Tortugas in 1925.

The Carnegie Laboratory operated from 1905 until 1939 and sup-



Carla Dietrich examining wall fragment from the Carnegie Dry Tortugas Laboratory

Photo by Klaus Ruetzler

ported 6-10 scientists during each season (April through August), about 146 total. It was closed for economical reasons just before outbreak of World War II; it later burned to the ground leaving nothing to see but a few ruins. Loggerhead Key is now part of the Dry Tortugas National Park. Our conference kindled discussion about re-establishing a new field laboratory at this excellent location for coastal research at the edge of the Gulf Stream.

PUBLICATIONS CONTINUED

- Etnoyer, P.J., **S.D. Cairns**, et. al. 2005. *Deep-Sea Coral Collection Protocols*, NOAA Technical Memorandum. NMFS-OPR 28 October 2005. iv + 46pp.
- Maldonado, M., N. Cortadellas, M. I. Trillas and **K. Ruetzler**, 2005. Endosymbiont yeast maternally transmitted in a marine sponge. *Biological Bulletin* 209(2):94-106.
- Tomassetti P., Voigt, O., **Collins, A. G.**, Porrello, S., Pearse, V. B. and B. Schierwater. 2005. Placozoans (*Trichoplax adhaerens* Schulze, 1883) in the Mediterranean Sea. *Meiofauna Marina*, 14: 5-7.
- Vasile, R. S., **R. B. Manning***, and **R. Lemaitre**, 2005. William Stimpson's journal from the North Pacific Exploring Expedition, 1853-1856. *Crustacean Research*, Special Number 5: i-v, 1-220. [Hardcover]
- Ward, L. A.** The publications of Kristian Fauchald and the polychaete taxa named in those works. *Marine Ecology* 26:145-154.

*Deceased

VISITORS



Left to right: Marcos Tavares, Rafael Lemaître, and John Ryland in the stacks.

Photo by Karen Reed

Researcher Marcos Tavares, in charge of the Laboratory of Carcinology at the Museum of Zoology of the University of São Paulo, Brazil, visited NMNH from November 17 to December 15, 2005. He is working on the systematics and phylogeny of the world raninoid crabs and received an M. J. Rathbun Fund grant to review SI collections. Marcos and **Rafael Lemaître** are also doing research on a collection of parapagurid hermit crabs from the Southwestern Atlantic.

Dr. John Ryland, Emeritus Professor of Marine Biology, School of Biological Sciences, University of Wales, Swansea, visited **Rafael Lemaître** December 5–9. John surveyed our holdings of species of the enigmatic carcinoecium-forming zoanthids that live associated with deep-water hermit crabs of the family Parapaguridae. These zoanthids serve as housing for these hermit crabs, instead of the typical snail shells.

ADDITIONAL RESEARCH VISITORS: October 1, 2005 – December 23, 2005

- Jess Adkins**, Caltech, Pasadena; chose specimens of deep water coral for isotopic analysis (12/20–12/22/2005). **Sponsor: Steve Cairns**
- John Alderman**, North Carolina Department of Transportation Biologists PDEA-ONE, Raleigh; studied and photographed Isaac Lea types of Unionidae, specifically the genus *Elliptio*. (11/09/2005). **Sponsor: Bob Hershler**
- Louise Allcock**, Queens University, Belfast; examined cephalopods (11/01–1/11/2005). **Sponsor: Mike Vecchione**
- Fred Andrus**, University of Alabama, Tuscaloosa; sampled Peruvian pre-bomb mollusks (11/14–11/16/2005). **Sponsor: Ellen Strong**
- Dan Blake**, University of Illinois, Department of Geology (Urbana); performed research on fossil seastars (10/08/2005). **Sponsor: Chris Mah**
- Jennifer Buhay**, Brigham Young University, Department of Integrative Biology (Provo, Utah); studied crayfish (10/25–10/27/2005). **Sponsor: Karen Reed**
- John Burch**, University of Michigan (Ann Arbor); studied land snails (12/02/2005). **Sponsor: Bob Hershler**
- Eugene Burreson**, Virginia Institute of Marine Science, College of William and Mary (Gloucester Point, Virginia); examined museum collection of leeches (Piscicolidae), for comparison with potential new species. (10/13/2005). **Sponsor: Bill Moser**
- James Carlton**, Williams College–Mystic Seaport, The Maritime Studies Program (Connecticut); continued research on a project on shell epibiota that involves looking, initially, at a very wide range of taxa; photographed specimens. (10/17–10/18/2005). **Sponsor: Jerry Harasewych**
- Thomas Coote**, Simon's Rock College of Bard, Great Barrington, Massachusetts; discussed hydrobiids with Dr. Hershler. (11/03/2005). **Sponsor: Bob Hershler**
- Neil Cumberlidge**, Professor and Head, Department of Biology, Northern Michigan University, Marquette; examined freshwater crab specimens from the crustacean collections, especially those from Africa and India. (11/18–11/21/2005). **Sponsor: Rafael Lemaître**
- Kevin Cummings**, Illinois Natural History Survey, Champaign; photographed freshwater clam types (11/14 and 12/12–12/16/2005). **Sponsor: Bob Hershler**
- Jon Deeds**, US FDA Center for Food Safety and Applied Nutrition, Office of Seafood, Washington Seafood Laboratory, Laurel, Maryland; identified bivalves and gastropods (10/18/2005). **Sponsor: Jerry Harasewych**
- Stacey Etheridge**, US FDA Center for Food Safety and Applied Nutrition, Office of Seafood, Washington Seafood Laboratory, Laurel, Maryland; identified gastropods and bivalves (10/18/2005). **Sponsor: Jerry Harasewych**

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VISITORS CONTINUED

- Peter Etnoyer**, Aquanautix Consulting, Los Angeles, California; examined deep-sea bamboo octocorals; consulted with S. Cairns (10/05–10/14/2005). **Sponsor: Steve Cairns**
- Tracy Fenger**, University of North Carolina at Chapel Hill; studied marine gastropods (12/01/2005). **Sponsor: Ellen Strong**
- Alex Gagnon**, Caltech, Pasadena; chose specimens of deep water coral for isotopic analysis (12/20–12/22/2005). **Sponsor: Steve Cairns**
- Matthias Glaubrecht**, Museum fur Naturkunde, Humboldt University, Berlin; studied mollusks (11/09–11/11/2005). **Sponsor: Ellen Strong**
- John Harris**, Arkansas State University; studied Arkansas freshwater clams (11/28–12/02/2005). **Sponsor: Bob Hershler**
- David Hayes**, Arkansas State University, Aquatic Ecology Laboratory; searched for records of freshwater gastropod species distribution from the region. (11/28–12/02/2005). **Sponsor: Bob Hershler**
- Gordon Hendler**, Los Angeles County Museum of Natural History, Life Sciences, Los Angeles, California; examined USNM holdings of ophiuroids (Echinodermata) (10/21–10/27/2005). **Sponsor: Dave Pawson**
- Fred Hotchkiss**, Harvard University; met with Dave Pawson and also delivered H.B Fell's echinoderm collection from the MCZ at Harvard (11/28/2005). **Sponsor: Dave Pawson**
- Elaina Jorgensen**, University of Washington, NMFS; examined cephalopods (11/01– 11/04/2005). **Sponsor: Mike Vecchione**
- Paul Krutak**, Geoservices International, Rye, Colorado; examined Crustacea collection and discussed ostracods with L. Kornicker (12/22/2005). **Sponsor: Lou Kornicker**
- Olafia Larusdottir**, University of Iceland, Reykjavik; examined the cumacean collection in Crustacea. (11/28–11/30/2005). **Sponsor: Rafael Lemaitre**
- Howard Lasker**, University of Buffalo; examined shallow-water octocorals; consulted with Drs. Bayer and Cairns (10/17–10/21/2005). **Sponsors: Steve Cairns and Ted Bayer**
- Svetlana Maslakova**, University of Washington, Seattle; discussed manuscripts (11/11–11/17/2005). **Sponsor: Jon Norenburg**
- James McLean**, Los Angeles County Museum of Natural History, California; studied the collection, photographed specimens and types, and collaborated on a paper in progress. (10/31– 11/02/2005). **Sponsor: Jerry Harasewych**
- Baldomero Olivera**, University of Utah, Salt Lake City; studied gastropods, specifically Turridae (*Bathytoma*) (11/16/2005). **Sponsor: Ellen Strong**
- Mark O'Loughlin**, Parade College, Melbourne, Australia; worked on collaborative study of Antarctic psolid holothurians (sea cucumbers) with Ahearn (10/08–11/03/2005). **Sponsor: Cindy Ahearn**
- Karen Osborne**, University of California, Berkeley (Monterey Bay Aquarium); examined isopods in the crustacea collection (10/03–10/08/2005). **Sponsor: Marilyn Schotte**
- Timothy Pearce**, Carnegie Museum of Natural History; studied the land snail collection at MSC (10/07/2005). **Sponsor: Bob Hershler**
- Rebecca Ritger**, private researcher; collaborative work on a monograph of the nemertean genus *Tubulanus* (10/09–10/14/2005). **Sponsor: Jon Norenburg**
- John Ryland**, University of Wales, Swansea; examined hermit crab collection (10/09–10/14/2005). **Sponsor: Rafael Lemaitre**
- Megan Schwartz**, George Washington University, Washington, D.C. and Seattle University; worked with nemertean slide collection (10/15–11/18/2005).
- Joel Stake**, University of Louisiana at Lafayette; consulted with Cairns about his dissertation on molecular analysis of the coral genus *Porites* (12/05–12/09/2005).
- Timothy Swain**, Florida State University, Department of Biological Science, Tallahassee; studied anemones and zoanthids. (12/09–12/11/2005). **Sponsor: Klaus Ruetzler**
- Marcos Tavares**, Museu de Zoologia, Universidade de São Paulo; studied brachyuran crabs, and examined parapagurid collection for cnidarians. (11/16–12/07/2005). **Sponsor: Rafael Lemaitre**

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VISITORS - SPECIAL TOUR GROUPS



Ellen Strong provides information about mollusk specimens for Ocean Science Council group
Photo by Yolanda Villacampa.

On October 28 **Dave Pawson** addressed a group of 41 visitors on the topic *Vertebrate/ Invertebrate collections: what can 50 million animals tell us?* He and **Doris Vance** then provided them with a tour of the IZ collections. The tour was



Pawson's postdoctoral fellow Chris Mah, ecstatic about echinoderms, addresses Ocean Science Council group.
Photo by Yolanda Villacampa.

organized by the Smithsonian Associates as part of *The Smithsonian Institution Close Up*, October 23-28, 2005, and NMNH day included tours of the IZ Crustacea and Echinoderm wet collections. Dave again provided a lecture and tours on December 8 for two groups of people (20 in each group). The Elderhostel participants spent a week "behind the scenes" at the Smithsonian.

On December 9 Dave conducted tours for members of the Museum's Oceans Council who were here for an all-day briefing on our Oceans Initiative (new exhibit/web portal/research). This group of 10 people visited the IZ Mollusk, Echinoderm, and Crustacea collections.

KUDOS

Kristian Fauchald has been honored by having a volume of *Marine Ecology* dedicated to him (No. 26[3/4].) *Advances in polychaete research. A tribute to Kristian Fauchald*, was published December 9. A four-page editorial/tribute by former SI Post-Doc Greg Rouse and the editors of the journal, Maria Christina Gambi and Lisa Levin provides valuable insights into Kristian's career and praises his support of young scientists. Articles can be viewed on-line at <http://www.blackwell-synergy.com/toc/mae/26/3-4>

A new species of copepod, *Metapontius walteri*, has been named in honor of IZ Collection Management staff member **Chad Walter** in recognition of the help he provided to the author, Rodrigo Johnson, Museum of Sao Paulo (Brazil), during his visit to IZ in 2002. (See image at right.)

VISITORS CONT.

Marcos Tavares, Museu de Zoologia, Universidade de São Paulo, Brazil; studied brachyuran crabs, and examined parapagurid collection for cnidarians. (11/16–12/07/2005). **Sponsor: Rafael Lemaitre**

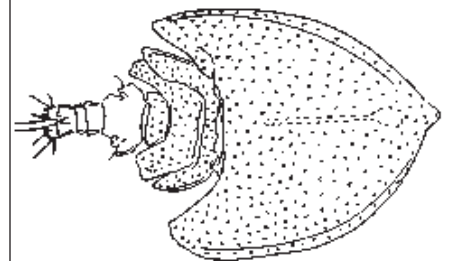
Roger Thoma, Museum of Biological Diversity, Columbus, Ohio; studied crayfish from Emory River drainage, Tennessee (10/28/2005). **Sponsor: Karen Reed**

Tina van der Flierdt, Caltech, Pasadena, California; chose specimens of deep water coral for isotopic analysis (12/20–12/23/2005). **Sponsor: Steve Cairns**

Janet Voight, The Field Museum of Natural History, Chicago, Illinois; studied the mollusk collection, Xylophagininae (10/25–10/28/2005). **Sponsor: Ellen Strong**

Deborah Zulliger, Zoologisches Museum der Universitat Zurich, Switzerland; examined USNM holdings of the seastar *Astropecten* for molecular studies (10/24–10/28/2005). **Sponsor: Cindy Ahearn.**

Return to Crustacea: Former IZ staffer Hillary Cressey visited **Marilyn Schotte** on November 18 and brought her George Mason University class to tour the collections.



A W A R D S

The US Department of the Interior/National Park Service awarded \$27,000 to **Cheryl Bright** for “The Non-Insect Invertebrates of the Potomac River Drainage Basin, Greater Washington, DC, in the NMNH Collection.” Year 2 of 2. Total award to date: \$50,000.

Kristian Fauchald was awarded a grant for \$194,391 from the US Department of the Interior. “Disposition of Biological Specimens from the Outer Continental Shelf and Continental Slope.” Year 4 of 5. Total award to date: \$562,887.

The US Department of the Interior/Bureau of Land Management awarded **Bob Hershler** \$10,000 for “Description of a Desert Springsnail Species Flock.” Total award: \$25,000.

Along with a number of national and international decapodologists, **Rafael Lemaitre** and **Chris Tudge** are collaborators in a recently funded \$3-million, five-year period NSF grant. Part of the “Assembling the Tree of Life” (AToL) effort, their project is entitled: “Collaborative Research: AToL: Morphological and Molecular Phylogeny of the Decapod Crustaceans.”

Jon Norenburg received a grant for \$9,999 from Fisher BioServices. “Archiving and Managing the Natural Products Voucher Collection: Fiscal Year 2006.”

S P O T L I G H T O N S T A F F C O N T I N U E D

Holiday Happenings

Just in time for the holidays **Lou Kornicker** received page proofs of a manuscript entitled “Description of the anchialine ostracode *Danielopolina* sp. cf. *D. kornickeri* from **Christmas Island**, Indian Ocean.

IZ staff and guests enjoyed another wonderful Holiday Party on December 15. Organizer **Lana Ong** and other dedicated volunteers made the Schmitt Room festive, and many IZers provided home-cooked delicacies for one of the best lunches ever.

This year party-goers were treated to raffles of gift-certificates for a number of popular local eateries. And roving photographer **Yolanda Villacampa** captured some special moments.



Organizer Lana Ong contemplates a job well done. (Left)

Did you remember to sign up? (Right)



Rafael Lemaitre and Rose Gullede pick the lucky winner. (Above, right)



The tall guys, Jon Norenburg and Geoff Keel, prepare to hang snowflakes. (Above)



Marilyn Schotte and Molly Ryan hang the greens. (Right)