

From the Chair:

Captain Nema retires

After 41 years of exemplary service to the Department, **William Duane Hope**, our curator of nematodes, decided to hang up his gloves and officially retire on April 30 of this year. On May 17, IZ had a special, surprise gathering to show our appreciation to Duane, and wish him well in this new era of his life. The Hope family was present en masse, some of whom traveled across the country, and Duane was genuinely touched. In attendance was Hans Sues, NMNH's Associate Director for Research & Collections, and he gave a wonderful speech. As usual, the IZ staff did a great job in organizing this event, and I wish to record it here in *No Bones* for posterity.

Retirement is a personal decision in our system. If you have the good fortune to enjoy reasonably good health and a lucid mind, you retire to do other things, be with your family, or like Duane, continue to work on your research, only this time uninterrupted by various activities and committee work that increasingly eat up our time. We are all delighted that Duane will continue to work here as an Emeritus. We surely can use a nematode expert, as well as the wise independent counsel of an Emeritus!



Rafael Lemaitre and Duane Hope

Photo: R. Gullede

Duane has had a very successful career. The names Hope, IZ, and nematodes, are virtually synonymous in scientific circles around the world. His expertise and papers, penchant to be a great host and trainer, and zeal to gather information and literature about nematodes, have brought us not only a great reputation but also made us the “nematode taxonomic capital of the world.” Duane is responsible for introducing modern standards to anatomical studies of the systematics of nematodes. Most workers before he came along illustrated outlines of nematodes with little attention to internal anatomy—he changed all this with his applications of SEM and TEM technology.

Consider when Duane was hired in 1964, the USNM marine nematode collection consisted of 27 cotype specimens of a single species!! Thanks almost exclusively to Duane, today we have over 1,500 primary and secondary types, and 30% of the world Nemata species are now represented, a truly remarkable accomplishment. His impact on students has been superb.

Duane served as Chair of IZ from 1976–1980, and also served admirably (and without protest!) in countless Museum committees. As one former chairman said of him: “Any [committee] assignments he takes on are done with the same attention to detail and precision he has shown in his [scientific] work”. I would be remiss in not mentioning **Abbie Yorkoff**, Duane’s long-time research assistant. She is in no

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NEWSLETTER
NO BONES

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V O L U N T E E R S

small measure responsible for all the good that has happened over the years with IZ nematodes, and the extraordinary library that she and Duane have built. And last, but certainly not least, Duane's two wonderful volunteers, **Eunice Pancoast** and **Rosanne Johnson**, need to be prominently acknowledged as they have been instrumental in helping him and Abbie to improve the collection, library, and other IZ resources.

William Duane Hope

BS, Colorado State Univ 1957
 MS, Colorado State Univ 1960
 PhD, Univ California Davis 1965
 NMNH, Assoc Curator 1964-1973
 Curator 1973- April 2006
 Chair IZ 1976-1980
 Emeritus 2006-



Left to right: Eunice Pancoast, Rosanne Johnson, Duane Hope, and Abbie Yorkoff.
 Photo: R. Gullede

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Please submit news or articles via email or disk by **September 7th**.

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

VALUABLE CONTRIBUTIONS FROM LONG-TERM VOLUNTEERS

Eunice Pancoast will have completed 21 years as a volunteer at NMNH this October. Her many skills include cataloging and database management (specifically *Procite* for bibliography). Eunice has assisted in the IZ libraries, and in sorting nematodes and working with slides and the wet collection (curation). She has a BS in Zoology from George Washington University and a Library Science degree from the University of Legon in Accra, Ghana. She also completed additional library course-work at the University of Maryland. She has always been interested in museums and first came to the Smithsonian in response to a notice in the newspaper mentioning the need for volunteers. She enjoys the people, perusing the scientific literature, and making slides. Eunice feels she has learned a lot while working at the Museum, and appreciates the intellectual stimulation.

Rosanne Johnson has volunteered periodically for 17 years at NMNH. Since 2001 she has been at the Museum twice a week. Her specialty is translations from Russian into English, and has translated numerous articles and books in a number of fields. She first came to the Museum through SI's volunteer program in 1989. Rosanne has a BA in Russian and a MLS in Library Science from the University of Maryland. She had previously worked at the University of Maryland Library. Rosanne enjoys the challenge of translating, working in *Procite*, and the people she meets at the Museum.

TRAVEL / PRESENTATIONS



Conveners of the past International Sponge Symposia lobbying recent Brazil conference participants to host the next meeting (Klaus Ruetzler, second from left) Photo: D. Lavrov

Klaus Ruetzler attended the 7th International Sponge Symposium held in Buziós, Brazil, 7-13 May. Klaus collaborated with his postdoctoral associate Cristina Diaz, taxonomist and conference convener Eduardo Hajdu (Federal University of Rio de Janeiro), and molecular biologist Robert Thacker (University of Alabama) to make five presentations, one of them invited (Diaz & Ruetzler). [See publications section for listing of abstracts.]

Allen Collins was invited to attend the *Coordinating Workshop for DNA Barcoding for CoML* (Census of Marine Life). The event was held at the Royal Netherland Academy of Arts and Sciences in Amsterdam, 15-17 May. Allen's role was to represent the perspective of Tree of Life projects dealing with marine organisms and how they can best fit into barcoding efforts associated with CoML projects. Additional information on the workshop can be found at: <http://www.barcodingmarinelife.org/>

While visiting the Smithsonian Marine Station at Fort Pierce, Florida, **Cynthia Santos** and **Jon Norenburg** discovered a new species of *Carcinonemertes* infesting the commercial stone crab. Carcinonemertid nemerteans are worms that live as ectosymbionts on decapod crustaceans (primarily crabs) and eat the developing eggs and embryos carried by the female host. Later, working with Florida Fish and Wildlife Commission in the Florida Keys, Cynthia and Jon added the Florida spiny lobster, *Panulirus argus*, as a host for Carcinonemertes. Most likely this is a new species of worm as well. The researchers are on a two-month quest to further document the diversity of these nemerteans.

According to Jon all commercially fished North American crustaceans (except shrimp, crayfish and New England rock crabs) are known to host these egg predators. Although the California spiny lobster is a known host, these worms are not known from western Atlantic spiny lobsters. These are the next study targets as Jon and Cynthia continue their fieldwork in Venezuela and the Gulf of Mexico.

Chris Mah recently returned from six weeks on an Antarctic cruise aboard the R/V *Laurence M. Gould*. During the trip he identified asteroids for a project exploring gene flow/evolution of Antarctic-Magellanic invertebrates. He collected many taxa including asteroids, ophiuroids, echinoids, gorgonians, stylasterines, sponges, and bryozoans for the NMNH. For details of the cruise (and many beautiful photos), the online journal for the research is at: www.auburn.edu/antarctica.

Dave Pawson and **Chris Mah** taught a three-day workshop (1-3 April) on Echinoderms for visiting researchers Owen Anderson (sea urchins), Nikki Davey (sea cucumbers), and Kate Neill (sea stars), three staff members from New Zealand's National Institute of Water and Atmospheric Research.

SEMINARS

Dave Pawson (NMNH) abetted by **Doris Vance**, April 18, "Austin Hobart Clark, NMNH Curator 1908-1950 - our greatest scientist?"

James T. Carlton (Williams College), May 31, "The Marine Biota of the American Pacific Coast: The Evolution of the Fourth Edition (2007) of *Light's Manual*"



Chris Mah aboard R/V *Laurence M. Gould* Photo: Ellen Bailey, Woods Hole Oceanographic Institute

IN THE MEDIA

Allen Collins was quoted in *ABC NEWS* on-line in the article *Scientists Discover 8 New Species* by Aron Heller (June 2, 2006). Commenting on the discovery of an ancient ecosystem in a lake inside a cave near the city of Ramle in central Israel, Collins said the find "underscores how little we know about life on our planet and how important it is to keep looking."

For additional information see: <http://abcnews.go.com/Technology/wireStory?id=2029210>

VISITORS

- Owen Anderson**, National Institute of Water and Atmospheric Research, New Zealand; to participate in echinoderm workshop (3/31–4/15/2006). **Sponsor: Dave Pawson**
- Alan Baker**, Dept Conservation, Wellington, New Zealand; to consult with Dave Pawson on collaborative projects (6/19–6/24/2006). **Sponsor: Dave Pawson**
- Marcela Bolaños**, University of New Hampshire; to study polyclad collection (4/10–4/14/2006). **Sponsor: Jon Norenburg**
- Kathrin Bolstad**, Earth & Oceanic Sciences Reserach Institute, Auckland University of Technology, New Zealand; to examine cephalopods and work with IZ cephalopod specialists (6/15–6/30/2006). **Sponsor: Clyde Roper**
- James Carlton**, The Maritime Studies Program of Williams College-Mystic Seaport, Mystic, Connecticut; to conduct work on a shell epibiota project examining and photographing a wide range of taxa (5/30–6/2/2006). **Sponsors: Steve Cairns, Linda Cole, Jerry Harasewych, Rafael Lemaitre**
- Luis Carrera-Parra**, ECOSUR, Chetumal, Mexico; to study eunicean polychaetes and eunicid types (3/27–4/10/2006). **Sponsor: Kristian Fauchald**
- Edith Chave**, NOAA, Honolulu; to consult with Steve Cairns to identify photographs of deep-sea corals from Hawaii (5/23–6/26/2006). **Sponsor: Steve Cairns.**
- Monica Chin-Perez**, Smithsonian Institution, Hirshhorn Museum; to view the giant squid (5/22/2006). **Sponsor: Linda Cole**
- Atilano Contreras-Ramos**, Centro de Investigaciones Biologicas, UAEH, Mexico; to study and photograph marine, freshwater and terrestrial mollusks (5/30–6/2/2006). **Sponsor: Bob Hershler**
- Maria Coppelino**, American Museum of Natural History, Division of Malacology, New York; tour mollusks collection in IZ (5/22/2006). **Sponsor: Ellen Strong**
- Nicola Davey**, National Institute of Water and Atmosperic Research, New Zealand; to participate in echinoderm workshop (3/31–4/15/2006). **Sponsor: Dave Pawson**
- Alice Doolittle**, Western Pennsylvania Conservancy; to study Pennsylvania freshwater mollusks (6/23/2006). **Sponsor: Bob Hershler**
- Troy Fadiga**, University of Iowa; to examine Recent and Fossil coral collections in the families Meandrinidae and Oculinidae, and to consult with Steve Cairns (5/24–5/26/2006). **Sponsor: Steve Cairns**
- David Grimley**, Illinois State Geological Survey; to study freshwater mollusks (4/11/2006). **Sponsor: Bob Hershler**
- Estella Hernandez**, Marine Biodiversity Processing Center, Natural History Museum of Los Angeles County, California; to learn about collection management policies (5/2–5/4/2006). **Sponsor: Karen Reed**
- Simon Hills**, AWC, Massey University, New Zealand; to consult on Antarctic project (6/20/2006). **Sponsor: Jerry Harasewych**
- John Holsinger**, Old Dominion University, Virginia; to deposit specimens (cave amphipods) in crustacea collection (5/16/2006). **Sponsor: Elizabeth Nelson**
- Tom Hopkins**, The University of Alabama, Alabama Museum of Natural History; to continue studies on *Luidia* and *Henricia* (Asteroidea) holdings in the USNM collection (5/15–5/18/2006). **Sponsor: Cindy Ahearn**
- John W. Huntley**, Virginia Polytechnic Institute and State University; to sample *Lampsilis* (Unionid) valves (4/13/2006). **Sponsor: Bob Hershler**
- Yukimitsu Imahara**, Wakayama Prefectural Museum of Natural History, Japan; to examine Japanese octocorals and consult with Steve Cairns and Ted Bayer (6/14–6/22/2006). **Sponsor: Steve Cairns**
- Kathleen Jamison**, George Mason University, Virginia; to discuss GIS needs related to Albatross geo-referencing project (5/4/2006). **Sponsor: Cheryl Bright**
- Alfredo LaGuarda-Figueras**, Instituto de Ciencias del Mar y Limnologia, UNAM, Mexico; to study the taxonomy and ecology of echinoderms from Mexican waters: Gulf of Mexico, Caribbean and Pacific (5/7–5/13/2006). **Sponsor: Cindy Ahearn**
- Celio Magalhaes**, Instituto Nacional de Pesquisas da Amazonia, Brazil; to study freshwater crabs in USNM collections (5/8–5/10/2006). **Sponsor: Rafael Lemaitre**
- Alejandra Martinez-Melo**, Instituto de Ciencias del Mar y Limnologia, UNAM, Mexico; to study the taxonomy and ecology of echinoderms from Mexican waters: Gulf of Mexico, Caribbean and Pacific (5/7–5/13/2006). **Sponsor: Cindy Ahearn**



Dr. Jim Carlton and Ph.D. student Deniz Haydar with a vermetid worm colony in the mollusk dry collection.
Photo: Y. Villacampa

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PUBLICATIONS

- Cairns, S.D. 2006. New records of azooxanthellate Scleractinia from the Hawaiian Islands. *Bishop Museum Occasional Papers* 86: 45–53.
- Cairns, S.D. 2006. Studies on western Atlantic Octocorallia (Coelenterata: Anthozoa). Part 6. The genera *Primmoella* Gray, 1858; *Thouarella* Gray, 1870; *Dasystenella* Versluys, 1906. *Proceedings of the Biological Society of Washington* 119(2): 161–194.
- Diaz, M.C., E. Hajdu, K. Rützler & C. Piantoni (2006). *Mycale* (*Paresperella*) spp. (Mycalidae, Poecilosclerida, Demospongiae) in the tropical western Atlantic: elusive ghost or unknown chimera? [revised title] Abstracts: Biodiversity, Innovation, Sustainability, 7th International Sponge Symposium, Brasil. Page 279.
- Diaz, M.C. & K. Rützler (2006). Sponge biodiversity and abundance as indicators of mangrove epibenthic community health. Abstracts: Biodiversity, Innovation, Sustainability, 7th International Sponge Symposium, Brasil. Page 113.
- Diaz, M.C., R.W. Thacker & K. Rützler (2006). *Haliclona* sp. nov. and *Xestospongia* sp. nov. (Haplosclerida): Two new sponge species from Bocas del Toro (Panamá) with a unique cyanobacterial association. Abstracts: Biodiversity, Innovation, Sustainability, 7th International Sponge Symposium, Brasil. Page 280.
- Hershler, R., H.-P. Liu, T.J. Frest, E.J. Johannes and W.H. Clark 2006. Genetic structure of the western North American aquatic gastropod genus *Taylorconcha* and description of a second species. *Journal of Molluscan Studies* 72(2): 167–177.
- Hope, W.D. 2005. An annotated checklist of the marine nematodes of the western North Atlantic and Gulf of Mexico. *Journal of Nematology* 37 (Supplement): 1–208.
- Jereb, P. and C.F.E. Roper 2006. Cephalopods of the Indian Ocean. A review. Part I. Inshore squids (Loliginidae) collected during the International Indian Ocean Expedition. *Proceedings of the Biological Society of Washington* 119(1): 91–136.
- Kornicker, L.S., D.L. Danielopol and W.F. Humphreys 2006. Description of the anchialine ostracode *Danielopolina* sp. cf. *kornickeri* from Christmas Island, Indian Ocean. *Crustaceana* 79(1): 77–88.
- Kornicker, L.S. 2006. Authorship and publication date of the Palaeozoic genera *Cypridinella*, *Cypridellina*, *Sulcuna*, *Rhombina*, and *Offa* (Ostracoda: Myodocopa). *Zootaxa* 1125: 39–43.
- Kornicker, L.S. and E. Harrison-Nelson 2006. Ostracoda of Tutuila, American Samoa (Myodocopina). *Pacific Science* 60(2): 241–258.
- Kornicker, L.S. and E. Harrison-Nelson 2006. Ostracoda, Myodocopa. Pages 207–212 in Desbryères, D.M. Segonzac, and M. Bright (Eds.), *Handbook of Deep-Sea Hydrothermal Vent Fauna. Denisia* 18, 544 pages. Oberösterreichisches Landesmuseum: Linz, Austria.
- Kornicker, L., B.W.M. van Bakel, R.H.B. Fraaije and J.W.M. Jagt 2006. Revision of Mesozoic Myodocopina (Ostracoda) and a new genus and species, *Mesoleberis hollandica*, from the Upper Cretaceous of Belgium and The Netherlands. *Zootaxa* 1246: 15–54, figures 1–6.
- Lemaitre, R. 2006. *Paragiopagurus ventilatus* Lemaitre, 2004. Page 435 in Desbryères, D.M. Segonzac, and M. Bright (Eds.), *Handbook of Deep-Sea Hydrothermal Vent Fauna. Denisia* 18, 544 pages. Oberösterreichisches Landesmuseum: Linz, Austria.
- Miljutin, D.M., A.V. Tchesunov and W.D. Hope. 2006. *Rhaptothyreus typicus* Hope and Murphy, 1969 (Nematoda: Rhaptothyreidae): an anatomical study of an unusual deep-sea nematode. *Nematology* 8(1): 1–20.
- Mah, C.L. 2006. A new species of *Xyloplax* (Echinodermata: Asteroidea: Concentricycloidea) from the northeast Pacific: comparative morphology and a reassessment of phylogeny. *Invertebrate Biology* 125(2): 136–153.
- O’Loughlin, P.M. and C. Ahearn 2005. A review of pygal-furrowed Synallactidae (Echinodermata: Holothuroidea), with new species from the Antarctic, Atlantic and Pacific oceans. *Memoirs of the Museum of Victoria* 62(2): 147–179.
- Richter, S., and L.S. Kornicker 2006. The Mandibles of a Halocyprid Ostracode (Halocypridae; Halocypridina; Ostracoda) – A New Record of Mandibular Gnathal Edges with a “Lacinia Mobilis”. *Journal of Crustacean Biology* 26(2): 113–118.
- Rützler, K., H.M. Reiswig & C. Piantoni (2006). Porifera collections in North America. In, E. Hajdu, A. Ereskovsky, J.N.A. Hooper, H.M. Reiswig, K. Rützler, T. Samaai, R.W.M. van Soest, C. Volkmer-Ribeiro & W. Zhang: Porifera collections around the world, a status report for the year 2005. Abstracts: Biodiversity, Innovation, Sustainability, 7th International Sponge Symposium, Brasil. Page 12.
- Thacker, R.W., M.C. Diaz, K. Rützler, P. Erwin, S.J.A. Kimble & M.J. Pierce (2006). Filamentous cyanobacterial symbionts of Caribbean Sponges. Abstracts: Biodiversity, Innovation, Sustainability, 7th International Sponge Symposium, Brasil. Page 261.
- Suárez-Morales, E., F. Ferrari and T.M. Iliffe 2006. A new epacteriscid copepod (Calanoida: Epacteriscidae) from the Yucatan Peninsula, Mexico, with comments on the biogeography of the family. *Proceedings of the Biological Society of Washington* 119(2): 222–238.
- Walter, T. C., S. Ohtsuka and L.V. Castillo 2006. A new species of *Pseudodiaptomus* (Crustacea, Copepoda: Calanoida) from the Philippines, with a key to pseudodiaptomidids from the Philippines and comments on the status of the genus *Schmackeria*. *Proceedings of the Biological Society of Washington* 119(2): 202–221.

VISITORS CONTINUED

- Nancy McCartney**, University of Arkansas; to discuss collections management and research (4/20/2006). **Sponsor: Jerry Harasewych**
- Ron Mollick**, Christopher Newport University, Virginia (4/13/2006); behind-the-scenes tour of the USNM Invertebrate Zoology collections. **Sponsor: Cindy Ahearn**
- Katherine Neill**, National Institute of Water and Atmospheric Research, New Zealand; to participate in echinoderm workshop (3/31–4/15/2006). **Sponsor: Dave Pawson**
- Kathy Omura**, Marine Biodiversity Processing Center, Natural History Museum of Los Angeles County, California; to gather information about moving collections and collections (5/4/2006). **Sponsor: Karen Reed**
- Gordon Paterson**, Department of Zoology, The Natural History Museum, United Kingdom; to study deepwater polychaetes from the Pacific Ocean (3/27–4/7/2006). **Sponsor: Kristian Fauchald**
- Timothy Pearce**, Carnegie Museum of Natural History, Pennsylvania; to examine mollusks from Pennsylvania (6/23/2006). **Sponsor: Bob Hershler**
- John Pearse**, Center for Ocean Health, University of California; to consult with Allen Collins and view the USNM echinoderm collection (5/10–5/12/2006). **Sponsor: Allen Collins**
- Jorge Pinzon**, Florida International University; to study stony coral (3/31–4/9/2006). **Sponsor: Steve Cairns**
- Sigmer Quiroga**, University of New Hampshire; to study polyclad collection (4/10–4/14/2006). **Sponsor: Jon Norenburg**
- Martha Reguero**, Laboratorio de Malacologia, Instituto de Ciencias del Mar y Limnologia, UNAM, Mexico; to confirm identifications of marine, land and freshwater gastropods, and to photograph specimens (5/30–6/2/2006). **Sponsor: Bob Hershler**
- Janet Reid**, Virginia Museum of Natural History; to conduct copepod research, and to use the Wilson Copepod Library (6/19–6/23/2006). **Sponsor: Rafael Lemaitre**
- Juan Sanchez**, University of the Andes, Colombia; to examine Paragorgia collection (*Octocorallia*) (6/23–6/29/2006). **Sponsor: Steve Cairns**
- Geoff Sanders**, National Park Service, Center for Urban Ecology; to discuss National Park Service GIS needs related to Potomac Basin GIS project (6/4/2006). **Sponsor: Cheryl Bright**
- Timothy Schwartz**, Oneness Family School, Maryland; (4/10/2006) and The Brookfield School, Virginia (4/12/2006); elementary school group-tours of IZ collections . **Sponsor: Kathryn Ahlfeld**
- Mark Siddall**, American Museum of Natural History, New York; to examine and photograph leech type collection (6/29–6/30/2006). **Sponsor: Bill Moser**
- Chung Ja Sim**, Hannam University, South Korea; to study sponges in the USNM collection, in particular worldwide specimens of the genera *Halichondria* and *Ircinia* (6/6–6/30/2006). **Sponsor: Klaus Ruetzler**
- Francisco Solis-Marin**, Instituto de Ciencias del Mar y Limnologia, UNAM, Mexico; to study the taxonomy and ecology of echinoderms from Mexican waters: Gulf of Mexico, Caribbean and Pacific (5/7–5/13/2006). **Sponsor: Cindy Ahearn**
- John Starmer**, University of Florida, Florida Museum of Natural History; to examine USNM holdings of echinoderms (5/18/2006). **Sponsor: Cindy Ahearn**
- Darolyn Striley**, Marine Biodiversity Processing Center, Natural History Museum of Los Angeles County, California; to gather information about moving collections and curation (5/4/2006). **Sponsor: Karen Reed**
- Ted Suman**, Research Associate in Entomology; to examine literature and specimens of terrestrial isopods (5/26/2006). **Sponsor: Marilyn Schotte**
- Lorena Umana**, Bell Multicultural High School, D.C.; to assist with Cerion land snail website project (4/6–5/26/2006). **Sponsor: Yolanda Villacampa, Jerry Harasewych**
- James Williams**, US Geological Survey, Caribbean Science Center, Florida; to study Georgia freshwater clams (6/5–6/8/2006). **Sponsor: Bob Hershler**
- Amanda Windsor**, The University of Louisiana at Lafayette; to identify and process a collection Caribbean Colombian decapods, and to consult with Lemaitre (5/31–7/7/2006). **Sponsor: Rafael Lemaitre**



Lorena Umana assists with the Cerion land snail website that is being developed. Photo: Y. Villacampa.

Continued on page 8

LIBRARY

NEW TITLES: INVERTEBRATE LIBRARIES

March 28–June 21, 2006

- Alvarado, Juan José. *Estudios latinoamericanos en equinodermos = Research on echinoderms in Latin America*. San José, Costa Rica: Editorial de la Universidad de Costa Rica, [2005]
- Brusca, Richard C. *Invertebrates*. 2nd edition Sunderland, Mass.: Sinauer Associates, c2003.
- Darrigran, Gustavo A. *Freshwater mollusca. I* Ann Arbor, MI: Society for Experimental and Descriptive Malacology, 1999, c2000.
- Filip̃ev, Ivan Nikolaevich. *A manual of agricultural helminthology, ... With 460 illustrations ...* Leiden, Brill, c1959
- Larsen, Kim. *Deep-sea Tanaidacea (Peracarida) from the Gulf of Mexico*. Leiden; Boston: Brill, c2005.
- Makarov, IU. N. (IUrii Nikolaevich). *Vysshie rakoobraznye. Vyp. 1-2, Desiatinogie rakoobraznye*. Kiev: Naukova Dumka, 2004.
- Metcalf, Artie L. *Land snails of New Mexico*. Albuquerque, N.M.: New Mexico Museum of Natural History and Science, 1997
- Mironov, A. N. *Sea lilies of the order Hyocrinida: (Echinodermata, Crinoidea)*. Moscow: Zoological Museum of Moscow State University, 1998
- Motoh, Hiroshi (editor in chief). *A Field guide to the edible fishes and shellfishes in coastal waters off Ecuador = Guia de peces y mariscos comestibles de las aguas costeras del Ecuador* Quito, Ecuador: National Aquaculture and Marine Research Center, 1992.
- Polenova, E. N. (Elena Nikolaevna), *Ostrakody rannego devona arkticheskikh raionov SSSR*. Moskva: Nauka, 1974.
- Polenova, E. N. (Elena Nikolaevna). *Ostrakody nizhnego devona Salaira*. Moskva, "Nauka", 1968.
- Ramakrishna, A. Dey. *Catalogue of type species (Bivalvia, Scaphopoda & Cephalopoda) present in the mollusca section of Zoological Survey of India* Kolkata, India: Zoological Survey of India, 2004.
- Rozhdestvenskaia, A. A. *Ostrakody verkhnego devona Bashkirii*. Moskva, "Nauka," 1972.
- Sakai, Katsushi. *Callianassoidea of the world (Decapoda, Thalassinidea)*. Leiden; Boston: Brill, c2005.
- Semernoi, V. P. (Viktor Petrovich). *Oligokhety ozera Baikal = Oligochaeta of lake Baikal*. Novosibirsk: "Nauka," 2004.
- Stevens, Graeme R. *Hettangian-Sinemurian (early Jurassic) ammonites of New Zealand*. Lower Hutt, N.Z.: Institute of Geological & Nuclear Sciences Limited, 2004.
- Szybiak, Krystyna. *Zmienno widrzyka lenego Macrogastra plicatula (Draparnaud, 1801) (Clausiliidae, Gastropoda)*. Pozna: Uniwersytet im. Adama Mickiewicza w Poznaniu, 1997
- Venkataraman, K. *Bibliography and checklist of corals and coral reef associated organisms of India*. Kolkata: Zoological Survey of India, c2004.
- Wildish, David. *Benthic suspension feeders and flow*. Cambridge, U.K.; New York, NY, USA: Cambridge University Press, 1997.

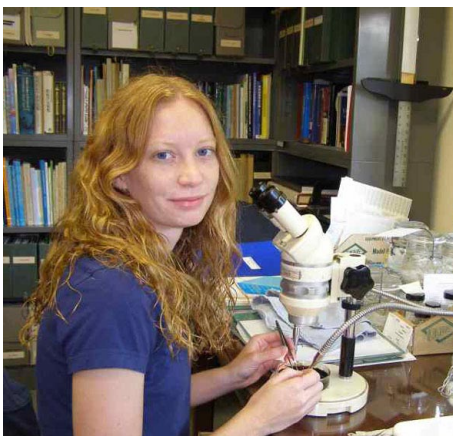
GALLERY



Emperor Hirohito
29 April 1901–7 January 1989

Japan's 124th emperor, whose reign lasted longer than any other. In 1926 he took the official name of Showa, translated as "Enlightened Peace." As a biologist, he collected many marine specimens mainly from Sagami Bay. He intensively studied the systematics of hydrozoans and published eight papers and monographs through the Biological Laboratory, Imperial Household (BLIH). His extensive collections (other than hydroids) were also studied by specialists resulting in 13 published monographs. These included "The Crabs of Sagami Bay, collected by His Majesty, the Emperor of Japan" by Tune Sakai (1965), and "The Crustacean Anomura of Sagami Bay" by Sadayoshi Miyake (1978). Sakai reported 340 species of crabs from Sagami Bay. *Sakaila imperialis* (Sakai) was named in honor of the Emperor Hirohito. Miyake reported 118 species of anomurans. Emperor Hirohito's crustacean collection is currently deposited in the Showa Memorial Museum, Tsukuba,

VISITORS CONTINUED



Amanda Winslow kept very busy sorting and identifying Colombian crustaceans.

Photo: R. Gulledge

A Flood of Crab Identifications

Rose Gulledge

Rafael Lemaitre hosted a Ph.D. student, Amanda Winslow, from The University of Louisiana at Lafayette, 27 May to 7 July. Amanda completed a project identifying crustaceans (mainly decapods) from the Caribbean coast of Colombia. Consulting with Rafael and using taxonomic references, she was able to identify over 700 specimen lots to family, genus and/or species.

Amanda joined the lab of Dr. Darryl Felder in November 2005. Her dissertation topic is *Molecular phylogenetics of problematic crabs within the superfamily Majoidae with an emphasis on the families Mithracidae and Inachidae*. She received her BS in Marine Science and Biology from Coastal Carolina University in Conway, SC. While there, she completed an independent project on thermoregulatory behavior in the fiddler crab *Uca pugilator*.

Amanda's stay at the museum was made all the more interesting by the "great flood of 2006" which proved to be only a minor setback to the completion of the project. She looks forward to returning to the museum next summer.

Former Intern Returns as Visiting Scientist

Marilyn Schotte

In 1997, Kathrin (Kat) Bolstad was a 17-year-old student at Thomas Jefferson High School in Fairfax County, Virginia. She came to the Museum via the NMNH's Research Training Program (RTP). She applied and was accepted as an intern, and worked for a semester with the late **Dr. Brian Kensley**. Through her internship Kat learned the basics of isopod taxonomy and became first author on a paper describing two new species of isopods from Papua New Guinea: "Bolstad, K. and B. Kensley. 1999. Two new species of *Hansenium* (Crustacea: Isopoda: Asellota) from Madang, Papua New Guinea. *Proceedings of the Biological Society of Washington* 112(1): 164-174". As far as anyone knew, she was then off to Wellesley College to study the history of architecture.

Then in April 2003, Kat appeared in a newspaper photo with Dr. Steve O'Shea from Auckland, New Zealand, as a co-worker on a newly discovered colossal squid caught live by fishermen in the Ross Sea off Antarctica. So what happened between 1997 and 2003? During that time Kat discovered that her real interest was in environmental science, which she double-majored in with German. The rest is history.

As a college student she worked with the New England Aquarium in Boston. Then in Auckland, New Zealand, she assisted with research on lobsters, dolphins and sharks. Since July 2004 she has been an aquarist at *Kelly Tarlton's Underwater World and Antarctic Encounter* in Auckland. Her interests and experiences led her to pursue a Ph.D. with Dr. O'Shea at the Auckland University of Technology where she is working on the systematics of the squid family Onychoteuthidae. So her recent return to NMNH as a visiting scientist was to examine squid specimens for her dissertation, which she hopes to complete by the end of 2007. After that she hopes to do a post-doc in Europe (somewhere) and is considering becoming a citizen of New Zealand. Kat says that her experience at NMNH got her interested in taxonomy ... it was just the beginning.



Kat Bolstad revisits the NMNH, where her interest in taxonomy began.

Photo: Y. Villacampa