

IDAHO ENTOMOLOGY GROUP NEWSLETTER

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February 2009

The Idaho Entomology Group (IEG) is composed of professional and non-professional people interested in any facet of the study of insects. Participation is not restricted to Idaho. **Membership dues** are \$5 / year, used to cover costs of the bimonthly newsletter. The Newsletter is distributed in an electronic (pdf) form. If necessary a printed form can be provided for membership dues of \$10 / year. The print option is NOT available for non-domestic membership. Application can be made to any officer (see below) or the Idaho Entomology Group, c/o Orma J. Smith Museum of Natural History, The College of Idaho, Caldwell, ID 83605, USA. **Materials for publication** (e.g. important dates, summaries of meetings, references, publications of members and others, collection records, etc.) should be sent directly to the Editor. Deadline for submission is the 23rd of every second month. Back issues are available at cost (contact: William H. Clark, OJS Museum of Natural History, The College of Idaho, Caldwell, ID 83605). Advertisements are included in the *Newsletter* at the Editor's discretion when items are thought to be within the membership's interest. There is no cost for advertisement, deference in publication is given to members. The IEG is an affiliate of the Idaho Academy of Sciences. **2009 OFFICERS: PRESIDENT**, James K. Ryan, 6614 Newman St., Boise, ID 83704; jameskryan@hotmail.com; **SEC./TREAS.**, Barbara Alexander, 2715 Snowflake Dr., Boise, ID 83706 ☎: 208-344-6017, 208-863-4024 (cell), bmerrill@cablone.net; **NEWSLETTER EDITOR**, Paul Blom, 1107 Grant Ave., Prosser, WA 99350-1115 ☎: 509-788-0181/786-9358, e-mail pblom@BioDataManagement.com.

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----- C A L E N D A R -----

- March
 - 24-26 6th International IPM Symposium
 - 29 Pacific Branch Entomological Society of America, San Diego, CA
- April
 - 25 85th Annual Meeting Kansas Ent Society
- June
 - 12-16 Evolution 2009 meeting at Univ. of Idaho

--- PACIFIC BRANCH ESA ANNUAL MEET -

The 93rd Annual Meeting of the Pacific Branch of the Entomological Society of America will be held March 29 – April 1, 2009 at the Bahia Resort Hotel On Mission Bay in San Diego, California. For more information http://groups.ucanr.org/_2009_PBESA/index.cfm

----- FORMERLY FROM IDAHO -----

Sharron S. Quisenberry, an entomology professor and dean at the College of Agriculture and Life Sciences at Virginia Tech University [and was at Moscow, ID for a while], will start a new position as vice president for research and economic development at Iowa State University beginning April 1, 2009. Dr. Quisenberry served as President of ESA in the year 2000, and she is an ESA Fellow. [from the ESA Newsletter 32.2]

----- EDITOR'S PLEA -----

I'm low on images of Group or Member activities. Of course, basic stories to accompany these images would be great. I would also like to continue the 'who are they' section, where we try to identify IEG, Idaho or PNW entomologists from images you submit.

----- 2009 DUES -----

The 2009 dues have been pouring in. There are still a few of you though who could pony up your \$ and send them to Barb (see above for amounts and Barb's address). Check the email header or your label for the year through which you are covered.

----- BUTTERFLIES GO FREE -----

Your editor is on the Zoo and Aquarium Visitor eNews mailing list. Depending on where you plan to take your next vacation it might be worth plugging in stops at some of the featured facilities to view their programs. Here is an example: "The Butterflies Are Flying Free at Montréal Insectarium. The 12th annual 'Butterflies Go Free' exhibition put on by the Montréal Insectarium in partnership with the Botanical Garden opened, and runs until April 26. This year, meet some butterflies of the Americas (new theme) and admire winged wonders of all kinds from Quebec and around the world. "Butterflies Go Free" is a total immersion in the complex and fascinating world of butterflies. Roam through the Botanical Garden's Main Exhibition Greenhouse and learn more about these creatures' life cycles and ecological roles and the 'fair-trade' side of this event. "We could sum it up as an urban eco-tourism experience", says Charles-Mathieu Brunelle, Director of Montréal's Nature Museums."

Closer to home: "Woodland Park Zoo Is Throwing A Penguin Party May 2nd. Seattle, WA - This May, Woodland Park Zoo is going black and white and green all over! That's because Humboldt penguins will return to the zoo in an all new, sustainably built "green" exhibit that will save 3 million gallons of water a year."

If you are interested in this mailing list and information visit <http://www.zandavisitor.com/enewssubscription>.

----- O.J. SMITH -----

MUSEUM OF NATURAL HISTORY NOTES (THE COLLEGE OF IDAHO)

Museum ☎: (208) 459-5507,
email bclark@collegeofidaho.edu.

<http://www.collegeofidaho.edu/campus/community/museum/>

** MUSEUM MONTHLY VOLUNTEER WORKDAYS

For the Workday Schedule see the Museum's NEW Event Web Page:
<http://www.collegeofidaho.edu/campus/community/museum/event.htm>

The Museum is open all day on Workday Saturdays, 8 AM until late afternoon. Enter via west basement door. We have a variety of Museum tasks that need volunteer assistance. We currently need someone to construct wooden bases for displays. We have tasks for students and non-students alike. We need volunteers to assume a variety of Museum duties and responsibilities. We have the following needs: Plywood, particle board, Masonite, 1x2" stock lumber, electrical fixtures, bookshelves for journals and funds for specific Museum projects.

We supply coffee and hot water for drinks as well as a taco lunch for volunteers. We usually have a brief research seminar at noon. The Museum collects aluminum for recycle. Please leave in Museum or contact Bill Clark (208-375-8605), John Keebaugh (208-459-5507), or Dr. Eric Yensen (208-459-5331).

Bill Clark

**COMING 2009 LUNCH SEMINARS

- | | | |
|-----|----|--|
| Mar | 7 | Dr. Alan Gillogly - "Introduction to Back-Country Panama" |
| Apr | 4 | Howard Emry - "Geology and Vertebrate Paleontology of Pleistocene Deposits at American Falls Reservoir, Idaho." |
| May | 2 | Jan Summers Duffy - "Idaho Archaeology Month." |
| Jun | 6 | Dr. Paul Castroville - "Idaho's Most Distinctive Butterflies" and "Training for the Fourth of July Butterfly Count." |
| Jul | 11 | Kathy Hamlett - "Mayan site of Copan." |
| Aug | 1 | Dr. Don Mansfield - "Owyhee Flora Project." |
| Sep | 5 | Gwen-Alyn Hoheisel - "Walnut Twig Beetle/1000 Canker Disease." |
| Oct | 3 | Dr. Barbara Ertter - "American Iranian Botanical Program." |
| Nov | 7 | Amy Truksa - "Water on Mars, Past and Present." |
| Dec | 5 | Richard Salisbury - "Idaho land shells, Fresh water snails and a few Marine cousins." |

----- EVOLUTION MEETING AT UI -----

The registration site for Evolution 2009, the joint meeting of the Society for the Study of Evolution, American Society of Naturalists, and the Society of Systematic Biologists at the University of Idaho, is now live. The meeting website can be found at <http://www.uiweb.uidaho.edu/evolution09/>. It provides information on all logistical aspects of the meeting.

----- LAUREL HANSEN -----

Regional myrmecologist Laurel Hansen was featured in WSU Today, 23 January 2009 (www.wsutoday.wsu.edu) in an article titled "Of ants and adjuncts".

"Laurel Hansen knows ants. She earned her Ph.D. in entomology from WSU in 1985 and co-authored the book, *Urban Ants of North America and Europe*, published last year by Cornell University Press.

"Hansen, an instructor at Spokane Falls Community College, shares her entomological expertise as one of 1,011 adjunct faculty at WSU.

"My role as an adjunct is primarily to serve as a graduate adviser and to provide advice on urban entomology," Hansen explained. "I have a specific expertise that students can use. I also help community college students who are planning on going to WSU and work with extension programs in ant identification."

"Richard Zack, chair of the department of entomology, said Hansen is one of a half-dozen adjuncts in his department, and a vital part of his students' education. "Without adjuncts, our students would not get as good a preparation," Zack said. "Every adjunct is selected for good reason. Each one offers something to the department that we would not be able to offer without them."



Her photo lifted from the WSU Dept of Ent web page.

----- BIOQUIP FEBRUARY SPECIAL -----

Product Special: SteriPEN™ Adventurer Handheld Water Purifier.

http://www.bioquip.com/specials/product_special.asp

Book Special: The Moths of North America. Fascicle 17.2: Geometroidea, Geometridae (Part), Ennominae (Part: Abraxini, Cassymini, Macariini). by Douglas C. Ferguson.

http://www.bioquip.com/specials/book_special.asp

----- MASSIVE ANT COLONY -----

This was recently passed to me by a family member. A fascinating ~ [3 minute clip](#) you'll enjoy.

<http://videos.komando.com/2009/01/21/massive-ant-colony/>

It can also be found on several other sites. Just google 'Massive ant colony' and you'll have your pick. Editor

Email change for Pensoft Publishers. We did close our email pensoft@mbox.infotel.bg, please send your general inquiries to info@pensoft.net and orders/inquiries to orders@pensoft.net!

----- ABOUT STINGS -----

About Stings, A reply to IEG News (36.1:5) Folkloric Fodder.

If a treatment works to solve an issue of pain or infection, it should be utilized when appropriate. Anecdotes, however, are not sufficient to conclude that a treatment has worked, and that it will be effective for others in future circumstances. The story here cites 6 incidents of 8 stings among 3 people during one season. Three stings were from bees, 4 from hornets, and one unspecified. Five stings were relieved and did not become infected following the application of copper pennies.

In Edmonton I worked with both commercial beekeepers, and with vespid wasps. Over a span of 10 years I was called by telephone and spoke to approximately 750 people reporting wasp problems. I collected 125-150 paper wasp nests, and exterminated numerous ground-dwelling wasp nests. I have guided thousands of school children on field trips. I now teach microbiology, so have a perspective on infections. From this background here are some of my ideas on the topic of stings.

Honeybees leave stingers with attached venom sacs at the sting site. These should be scraped off, with tweezers or a plastic credit card, to stop further venom being pumped into the wound. Bumblebee stings do not leave venom sacs, nor do wasp stings. Stinger fragments may (not common) remain, which can lead to infection. Any fragments should be removed. Hornets are pounce-and-sting predators. Their stingers puncture, inject venom, withdraw, and are able to sting again. These stingers can easily be contaminated with bacteria growing on haemolymph residues from past prey. Such bacteria may infect sting sites.

I endorse most first aid responses to stings, including the penny treatment. The philosophy is "the art of medicine lies in keeping the patient amused while the body heals itself." Soap and water, ice, a potato or onion slice, holding the sting tightly, or an alcohol swipe will all take approximately 5 minutes, by which time the intensity of sting pain begins to lessen. Paying attention to the injury will reassure victims, and draw their minds from their pain. I advise against mud, an age-old remedy which could lead to infection from microbial contamination. I expect that acidic solutions like lemon juice may prolong pain from venom. There are three treatment methods that I specifically endorse: aspirin paste, baking soda paste, and commercial quaternary ammonia sting treatments. These alter skin chemistry to minimize irritation from rigid venom proteins, and reduce spread of venom components. The quaternary ammonia does this plus is antiseptic.

Sting components vary from species to species. Hyaluronidase is a common constituent. It loosens connections between cells so venom can spread. Generally venom will contain rigid small proteins, like meletin and promeletin in honeybee venom, which act

like shards of glass on nerves. Such protein residues in a sting site may itch for months.

Copper metal has putative healing powers. Persons with arthritis may report relief of symptoms when wearing copper bracelets. Copper inhibits microbial growth on agar media, and perhaps in vivo with medical devices such as indwelling catheters. This oligodynamic effect on microbial growth may result from a redox reaction on moist surfaces.

Stings to the throat, tongue, and to a lesser degree the nose, should be considered medical emergencies. Swelling may restrict blood flow to the brain, or interfere with breathing. Get prompt medical attention. In other circumstances, if the caregiver or victim requests professional medical help, get it.

Stings to soft tissues, such as the forearm, legs or around the eye, may swell dramatically. The same sting on taut tissues of the wrist or forehead will not swell extensively. Dramatic swellings do not require prior exposure (allergies develop from prior exposures).

Many individuals labor under the fear that the next sting (= this one!) may cause them to have a life-threatening hypersensitive reaction. People do die from sting reactions. The expectation that this will occur may trigger "fight or flight" adrenalin shock. I consider this expectation to be a problem itself. Persons with histories of uncommonly dramatic reactions, such as life-threatening reactions to peanut butter, ARE at risk from stings. Such allergic reactions tend to run in families, which could reflect either genetic or environmental backgrounds (i.e. beekeeper family members have higher rates of sting hypersensitivity than the general public). For these persons copper pennies will not be sufficient. Get professional attention. Most people are not in this category. Save your pennies for them.

Stings hurt, sometimes excruciatingly. It is important to assess the actual injury beyond immediate pain, and to be aware of the victim's responses. Comforting actions are sufficient treatment in the majority of cases. Victims unfamiliar with intense pain may lose facial color and become uncommunicative, indications that they may lapse into shock. Physicians seem to have a facility for calling such individuals back to full awareness. I saw Dr. Lois Fenna, a friend, do this brilliantly with a verbal challenge to a withdrawing stung child.

These are my "pennies worth of thoughts" about the anecdote.

Jim Ryan

---- FEBRUARY SHORELINE AVAILABLE -

To mark 100 years of working together for wildlife, a special Centennial edition of Shoreline, the refuge newsletter, is available at

<http://www.fws.gov/deerflat/shoreline.htm>. President Theodore Roosevelt established Deer Flat National Wildlife Refuge in 1909.

----- KANSAS ENTOMOLOGICAL SOCIETY -

The 85th Annual Meeting of the Kansas (Central States) Entomological Society will be held Saturday April 25th, 2009, 0830 to 1530 h, Throckmorton Hall rm. 1014, Kansas State University, Manhattan, KS. If you are interested in presenting or attending contact Jeremy Marshall (cricket@ksu.edu) by 27 March 2009.

Please consider coming to support the Kansas (Central States) Entomological Society, and encourage your students to do so as well; it is an excellent opportunity for students to present their work to a pretty friendly audience! And, we will again support their efforts with some pretty generous prize money checks! John Reese

----- NEW ENTOMOLOGY JOURNAL -----

The Journal of Entomology and Nematology (JEN) is a multidisciplinary peer-reviewed journal that will be published monthly by Academic Journals (<http://www.academicjournals.org/JEN>). JEN is dedicated to increasing the depth of the subject across disciplines with the ultimate aim of expanding knowledge of the subject.

JEN will cover all areas of the subject. The journal welcomes the submission of manuscripts that meet the general criteria of significance and scientific excellence, and will publish:

Original articles in basic and applied research

Case studies

Critical reviews, surveys, opinions, commentaries and essays

We invite you to submit your manuscript(s) to JEN@acadjourn.org for publication in the Maiden Issue (April 2009). Our objective is to inform authors of the decision on their manuscript(s) within four weeks of submission. Following acceptance, a paper will normally be published in the next issue. Instruction for authors and other details are available on our website; <http://www.academicjournals.org/JEN/Instruction.htm>

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Franklyn Monyei, Editorial Assistant,

JEN@acadjourn.org, www.academicjournals.org/JEN

----- MEMBERS IN THE NEWS -----

Paul Blom (your Editor) and Gwen Hoheisel, having dated now since 2000 decided to marry on 19 February in Sedona, AZ. Joseph, their 2.75 year old son breathed a sigh of relief! Sedona was a marvelous venue!!

----- LITERATURE FOR SALE -----

We offer some recently received new stock of books on (mainly) Crustacea:

Boeck, A. 1872. De Skandinaviske og Arktiske Amphipoder. Første Hefte, Christiania, 162 p., 7 plates, 4to, boards. Euro 80,00

Dam, A.J. van 1933. Die Chirostylidae (Galatheidea) der Siboga-Expedition. 46 p., 50 figs, paperbound thesis. Euro 22,00

Fransen, C.H.J.M., 2002. Taxonomy, phylogeny, historical biogeography, and historical ecology of the genus *Pontonia* (Decapoda: Caridea: Palaemonidae). 433 p., 257 figs, 19 col. photographs, paperbound (ZV336). Euro 108,00

Guinot-Dumortier, D. 1960. Révision des genres *Euxanthus* Dana et *Hypocolpus* Rathbun (Crust. Decap. Brach.). Paris, Mém. Mus. Nat. Hist. Nat. XX(2). 66 p., 12 plates. Euro 18,00

Hof, C.H.J. 1998. The Taphonomy, fossil record, and phylogeny of Stomatopod Crustaceans. Thesis, Amsterdam. 232 p., num. ill. Euro 28,00

Marijnissen, S.A.E. 2007. Lake Tanganyika Crabs. Evolution, Ecology, and Implications for Conservation. Thesis, Amsterdam. 188 p., num. ill. Euro 28,00

Platvoet, D. 2007. *Dikerogammarus villosus* (Sowinsky, 1894). An Amphipod with a bite. Thesis, Amsterdam. 198 p., num. ill. Euro 25,00

Sars, G.O. 1871. Beskrivelse af de paa Fregatten Josephines Expedition fundne Cumaceer. Stockholm, 58 p., 20 plates, 1 coloured, 4to, boards. Euro 90,00

Sars, M. 1868. Mémoires pour servir à la connaissance des Crinoïdes vivants. Christiania, 66 p., 6 plates, 4to, boards. Euro 65,00

Taylor, R.S. 1999. The fossil Crustacea of China: their taxonomy, paleobiology, biogeography and phylogenetic relationships. Thesis, Amsterdam. 156 p., num. ill. 4to. Euro 25,00

Udekem d'Acoz, C. d' 2004. The genus *Bathyporeia* Lindström, 1855, in western Europe (Crustacea: Amphipoda: Pontoporeiidae). 162 p., 46 figs, paperbound (ZV348). Euro 42,00

Vonk, R. 2003. Explorations of the systematics and deep history of stygobiont Amphipods. Thesis, Amsterdam. 190 p., num. ill. Euro 25,00

To order contact: Backhuys Publishers B.V. backhuys@backhuys.com, www.Backhuys.com

----- ENT SOC JOURNALS ONLINE -----

All back issues—starting with Volume 1, Number 1—for each ESA journal, are now online. The lists of volumes and issues are on the homepages of each of the journals, which are linked to <http://esa.publisher.ingentaconnect.com/content/esa>. Access to each journal's archive is free to ESA members, so don't forget to renew your membership for 2009 if you haven't already done so. For institutions and non-members, access is included as part of the current year's subscription.