

IDAHO ENTOMOLOGY GROUP NEWSLETTER

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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 (non-domestic E-subscriptions only), used to cover costs of the bimonthly newsletter. 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 20th 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.

2008 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@cableone.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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----- CALENDAR -----

- Aug 15-16 Deer Flat Refuge BioBlitz 2008
- 23 Bug Day, Idaho Botanical Garden

----- BUG DAY -----

The Annual Bug Day will be hosted by the Idaho Botanical Garden 23 August from 9 a.m. to 3 p.m. (2355 North Penitentiary Road, Boise, ID 83712, 208-343-8649, 1-877-527-8233).

A fantastic family event co-hosted by The College of Idaho and Idaho Botanical Garden. Learn about the exciting world of bugs in an adventurous environment! Kids participating in Bug Day can earn their "Certificate of Bugology".

Activities include Ask an Entomologist (bring a bug for identification), Bug Bingo, Insect Olympics, Catching Live Bugs, and Face Painting. There will be booths presenting Terminix Pest Control company, fly fishermen, and The College of Idaho Orma J. Smith Museum of Natural History.

Admission: \$6.00; Children 4-12: \$4.00; Members: \$4.00. Direction available on the website: <http://www.idahobotanicalgarden.org/>

----- AUDUBON INSECTARIUM -----

Things are progressing in New Orleans. Barb Alexander ran across this on the City's web page:

"If it walks, crawls or flies, there's a good chance you will see it on display at the Audubon Insectarium in the Old New Orleans Customs House. Utilizing the full 23,000 square feet of the historic, white marble columned structure in the 400 block of Canal Street, the Insectarium is the largest free-standing museum in the United States devoted to the 900,000-plus known species of insects and their relatives. It gives visitors up-close-and-personal glimpses into the lives of selected members of the largest grouping of living, visible, mobile organisms on earth. Featured are thousands of live insects, mounted specimens, interactive experiences and trained, expert personnel on hand to interpret the exhibits. ... The Insectarium promises fun and education for all, from 'roach races' to butterflies emerging from cocoons to talks from experts 'in the field'. For more information on the Audubon Insectarium go to www.auduboninstitute.org." Visit the above link and the City's web page: <http://www.neworleansonline.com/news/2008/Apr/insectarium.html>



Microshatia championi crusing the Baja Desert, December 2007, photo by Bill Clark

----- 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 2008 LUNCH SEMINARS**

September 6 Jan Summers Duffy - "Egyptian Archaeology."
October 4 Barbara Alexander – "Kauai and Hawaii."
November 1 Dr. Eric Yensen - "Current Research Topic Dealing with Mammal Ecology"
December 6 Dr. Chris Walser - "The ecology of redband trout"

****MUSEUM OBITUARY**

Hi Museum Friends and Volunteers. I just saw a death notice in today's Idaho Statesman that I need to pass on to you: Midori H. Furushiro. Midori was 91. The paper says a private burial will be held in Caldwell.

Midori was a great lady and served several positions at the College of Idaho, including in Administration, as Biology Department Secretary and assisting Donna Parsons with the Snake River Regional Studies Center. She was a long time volunteer at the Museum, helping start and catalog our Library. She was extremely organized to say the least. She often brought a great casserole for our Museum Day lunch. Her husband, Jim, was one of the volunteers who spent his winters building our fossil cabinets and other Museum projects. Jim died a few years back.

Midori will be missed, RIP. Bill Clark (25 July)

****MUSEUM COLLABORATES IN LEECH RESEARCH**

Dr. Peter Hovingh of Salt Lake City recently used the facilities and collections of the Orma J. Smith Museum of Natural History, for a study on the freshwater aquatic leech, *Haemopsis lateromaculata*. Dr. Hovingh has been studying the identification and geography of this species

in North America. He used the Canadian Museum of Nature, the Smithsonian Institution and our Museum for his work. The Museum and the assistance of John Keebaugh, Invertebrate Curator, are acknowledged in the paper which was published in The Canadian Field-Naturalist (Hovingh, P. 2006. The leech *Haemopsis lateromaculata* (Hirudinea: Haemopidae): Its North America distribution and additional notes on species description. The Canadian Field-Naturalist 120:443-451). The Museum has a significant collection of aquatic leeches which are available for viewing or research by appointment.



Aquatic invertebrate storage at the OJS Museum

----- NICARAGUA FIELD TRIPS -----

The Entomological Museum of Leon organize this year, as all years since 2000, several field trips. The 'begin of the rain' field trips were in end of May and were very good. Now we organize those of 'end-of rain'. A collecting field trip will be from 21st October to 2nd November 2008. A butterfly watching field trip will be from 9th to 23th November 2008, and another from 25th November to 9th December 2008. More information on those field trips is available on the web page:

<http://www.bio-nica.info/girasdecampo-fie/index.html>

----- ENTOMOLOGICAL BOOKS -----

Entomological books and Atlas of China (English Version) from [Li Jingke](mailto:lijingkebeetles@yahoo.com.cn) <lijingkebeetles@yahoo.com.cn>

I have the following Entomological books for sale (prices do not include postage):

1. Monographia of Original Colored & Size Butterflies of China's Northeast by Wang Zhicheng. ISBN 753841942X/S.294, Jilin Scientific & technological Publishing House. p.1-314. This book collected 2000 colored photo records 340 species, 42 sub-species of butterflies. The price is \$ 150.

2. Monograph of Chinese Butterflies by Chou Io. ISBN 7534915740, weight;4.3kg. This book contains 386 genera, 1223 species and 1853 sub-species. \$ 250.

3. Hymenopteran Insect Fauna of Zhejiang by He Junhua et al. ISBN 7-03-012167-8, Science Press Beijing, 2004. p.1-1373. The book describes 59 families 631 genera 1687 hymenopteran species of Zhejiang and most of the species are newly discovered. \$ 150.

4. Insect Fauna of Middle-west Qinling Range and South Mountains of Gansu Province by Yang Xingke. ISBN 7-03-014804-5, Science Press Beijing 2005. p.1-1055. The book describes 229 families, 1725 genera and 3286 species of insect fauna of middle-west Qinling Range and South Mountains of Gansu Province including 4 new genera, 1 new subgenus, 113 new species. \$ 100.

5. Fauna of Etrigoide from Western China, by Zheng Zhemin. ISBN 7-03-014954-8, Science Press, 2005. p.1-501. The book describes Fauna of Etrigoide from Western China, including 7 families, 52 genera and 350 species. There is 1 new genus, 50 new species. English summary. The price is \$ 100.

6. Insects from Mt. Shiwandashan Area of Guangxi, by Yang Xingke. ISBN 7-5038-38159-9, China Forestry Publishing House 2004. p.1-668. The book describes 216 families, 1383 genera and 2365 species. 3 new subgenera, 68 new species. \$100.

7. Fauna Sinica Insecta Vol.30 Lepidoptera, Lymantriidae, by Zhao Zhongling (Chou Chungling). ISBN 7-03-011417-5, Science Press Beijing China 2003. p.1-484. 37 genera, 343 species from China, 270 illustrations. \$ 80.

8. Fauna Sinica Insecta Vol.38 Lepidoptera, Hepialidae Epiplemlidae, by Zhu Hongfu (Chou Hungfu), Wang Linyao and Han Hongxiang. ISBN 7-03-013440-0, Science Press Beijing China 2004. p.1-291. 7 genera, 82 species, including 14 new spp. 179 illustrations. \$80.

9. Fauna Sinica Insecta Vol.34 Empididae, Hemerodromiinae, Hybotiidae, by Yang Ding and Yang Chikun. ISBN 7-03-013279-3, Science Press Beijing China 2004. p.1-335. 11 genera, 174 species, including 26 new species, 474 color illustrations and 4 pages of color photos. \$80.

10. Butterflies in Xinjiang, by Huang Renxin, Zhou Hong and Li Xinping. ISBN 7-5372-2335-1/Q.38, Press of Xinjiang Technology and Health. July 2000. p.1-105. 254 species butterflies, with 487 color photos. \$ 30.

11. Studies On Fauna And Ecogeography Of Soil Animal, by Li Jingke et Chen Peng. ISBN 7-5602-0917-3/k.70, Press of Northeast Normal University . March 1993. p.1-265. \$ 30.

12. The Coleoptera Fauna Of Northeast China, by Li Jingke. ISBN 7-5383-1580-2/s.6, Jilin Education Publishing House(ChangChun, China). April 1992. p.1-205. 121 families, 2155 species. \$30.

13. The Carabinae of China. by Li Jingke et Zhang Xueping. ISBN 0-7-7-5383-3950-7/Q.35, Jilin Education Publishing House (ChangChun, China). May 2005. p.1-67. 51 Genera, 1146 species-subspecies. Based on geographical distribution of these species-subspecies 4 zones, 8 subzones (map included) are established. The book will be useful for Carabidae specialists, entomologists, museums, universities, libraries and others interested in zoogeography. \$ 20.

14. Atlas of China'. 210 X 297; 1st edition, Jan.2007. P1-283, ISBN 978-7-5031-4178-2/K.2456. Weight 1481 g. A new full English version of the "Atlas of China". \$ 150.

----- DEER FLAT SHORELINE -----

The summer issue of Shoreline, the Deer Flat National Wildlife Refuge newsletter, is now available (31 May). <http://www.fws.gov/deerflat/shoreline.htm>.

----- KNOW THIS MOTH? -----

Can anyone help with this ID request? "I was wondering if you could help me identify a moth that I saw flying around the south fork of the Boise River below Anderson dam. If you know both the scientific and common name that would be very helpful. Thanks for your help."



[Jon Goss](mailto:jgoss@sd232.k12.id.us), jgoss@sd232.k12.id.us.

----- NEW JOURNAL AVAILABLE -----

We are pleased to announce that the first issue of the exciting new journal, *Journal of Asia-Pacific Entomology*, is now live on ScienceDirect. The issue is freely accessible until the end of this year.

Journal of Asia-Pacific Entomology is the official journal of the Korean Society of Applied Entomology, the Taiwan Entomological Society and the Malaysian Plant Protection Society.

The journal publishes original research papers, review articles and short communications in the basic and applied area concerning insects, mites or other arthropods and nematodes of economic importance in agriculture, forestry, industry, human and animal health, and natural resource and environment management.

The full text of the "Aims and Scope" as well as information on the editorial board can be found on the journal homepage.

You can sign up to receive a free email alert when the next issue of *Journal of Asia-Pacific Entomology* is available on ScienceDirect.

Please do not hesitate to contact me should you desire additional information about the journal and Elsevier, or if you have any suggestions or ideas for *Journal of Asia-Pacific Entomology*.
Dr Dale Seaton Ph.D.,
Publisher Life Sciences,
Elsevier



Mary Clark



Gwen Hoheisel

OJS Museum volunteers caught in action
by Barb Alexander

Paul Blom

Daniela Ramirez

----- PUBLICATIONS BY MEMBERS -----

Westcott, Richard L., Henry A. Hespeneide, Jesús Romero N., Armando Burgos Solorio, C. L. Bellamy & Armando Equihua M. 2008. The Buprestidae (Coleoptera) of Morelos, Mexico, with description of six new species, and a partially annotated checklist. *Zootaxa* 1830:1-20.

Hovingh, P., **Clark, W.H.** and **Keebaugh, J.** 2008. Leeches of the Snake River in Idaho and Oregon: Paleodrainage implications of *Mooreobdella microstoma*. *Western North American Naturalist* 68.2:210-224.

----- BOOK REPLACEMENT -----

To those who purchased *An Introduction to the Aquatic Insects of North America*, fourth edition, 2007, Catalog #9059D from BioQuip Products

Shortly after the release of the fourth edition of *An Introduction to the Aquatic Insects of North America* in August 2007, editors R. W. Merritt, K. W. Cummins and M. B. Berg found and were informed of numerous errors in the publication. The majority of errors can be attributed to the publisher although there were some author errors. Rather than provide a lengthy and cumbersome errata to accompany the book, the editors asked the publisher to reprint the edition after correcting the mistakes. The publisher agreed to reprint the book and release of the reprinted edition is expected mid to late March.

If you purchased one or more copies of the fourth edition from BioQuip, please call the publisher Kendall/Hunt at 1-800-228-0810 and ask for Customer Service. Kendall/Hunt will issue an ARS label for returning the defective book(s) at their expense. The reprint edition will be shipped to you at no charge after the defective book(s) have been received by Kendall/Hunt.

The publisher has explained that the reason for returning copies of the original printing is to keep individuals from selling them on eBay or used book internet sites.

The procedure outlined above must be followed in order for you to obtain a replacement book(s) at no expense. Do not ship defective copies to BioQuip. We regret any inconvenience caused in this process but believe you will agree that the reprinted edition is far superior to the original printing.

----- OTHER LITERATURE -----

Penev, L., Erwin, T., Assmann, T. (Eds) 2008. *Back to the Roots and Back to the Future. Towards a New Synthesis between Taxonomic, Ecological and Biogeographical Approaches in Carabidology.* Proceedings of the XIII European Carabidologists Meeting, Blagoevgrad, August 20-24, 2007, ISBN 978-954-642-325-2, Pensoft Series Faunistica No. 75, ISSN 1312-0174, Pensoft Publishers (Sofia-Moscow), 165x240, collection of papers, graphs, tables, photos, in English. <http://www.pensoft.net/newreleases/14117.htm>

----- OJS HOSTS JOHN BURCH -----

Dr. John B. Burch, Curator of Mollusks, Museum of Zoology, University of Michigan, Ann Arbor, was a recent guest of the Orma J. Smith Museum of Natural History, according to Museum Director, William H. Clark. Jack is the foremost expert on the North American freshwater Gastropoda (snails). Jack flew into Boise on April 30 for a May 1 technical meeting. He then stayed in the area until May 9 so that he could work in the Museum's collection, give a couple of presentations, and do some snail collecting in the area. Jack began the research portion of his trip by working with John Keebaugh (Museum Mollusk Curator) on our collection. He told Keebaugh that "we had a larger alcohol-based collection than UMMZ." Jack spent Saturday, May 3 (Museum Workday) networking with Museum volunteers and he gave the lunch seminar on an interesting topic "Partulidae -- Paradise Lost" a wonderful presentation on some of his early collecting and conservation efforts relating to land snails on Tahiti. The lab (lunch room) was packed for this presentation, with much good discussion following. Sunday found Burch and Keebaugh along the Snake River from Marsing to Hammett for some snail collecting. Monday, Burch and Keebaugh visited a current project site on the Snake



Bill Clark

Dr. Burch

River below Minidoka Dam with Bureau of Reclamation personnel and a dive team, continuing research on threatened and endangered snails. On Tuesday Keebaugh and Burch accompanied Clark on a jet boat trip up the Middle Snake River for more collecting in areas where Idaho Power Company is conducting research on threatened and endangered snails. Among the crew was C of I alum Barry Bean. Jack was able to find, observe, and collect the snails of his research interest, and mentioned that the day should result in some collaborative with the Museum staff. The remainder of the week was consumed by another presentation at snail meeting and more Museum work. Jack said that our Museum collection was the best in the nation for size, variety, curation of the collection, and its availability to students and the public. Bill Clark

----- DEER FLAT BIOBLITZ -----

The third annual BioBlitz at Deer Flat National Wildlife Refuge is coming up on August 15 and 16 this year. "What's a BioBlitz?" is usually the first question people ask when they hear about the Deer Flat National Wildlife Refuge BioBlitz. It's a fair question, given that the first BioBlitz was held in 1996 and BioBlitzes are still uncommon in the western United States. A BioBlitz is a 24-hour rapid survey of biological diversity at a particular location. It is an opportunity for anyone with an interest in biodiversity to learn more, teach others, make a difference, and enjoy time exploring outdoors. Deer Flat's event is the only BioBlitz in Idaho and last year nearly 300 species were documented and 80 people volunteered their time and experience to the event.

In addition to its biological, management, and partnership benefits, a BioBlitz can also involve citizens in science to get them excited about and aware of local wildlife and resources. During BioBlitz 2007, over 400 community members attended the BioBlitz Festival on Saturday. They participated in a variety of hands-on and guided activities, including bird walks, boat trips to net and identify fish, and explorations of upland sage habitat to net insects. They also learned from local wildlife and environmental organizations that had interactive exhibits at the refuge Visitor Center.

The planning for BioBlitz 2008 is in the works, and the event is set for August 15 and 16, 3 P.M. Friday to 3 P.M. Saturday. There are many ways to get involved with this year's event. Surveyors with experience identifying all taxa are still needed to conduct surveys. Local organizations with a mission related to biodiversity are invited to exhibit at the BioBlitz Festival. Also, anyone is invited to volunteer to help with surveys, help during the Festival, photo-document the event, and much more. Lastly, the public is invited to attend the BioBlitz Festival from 10:00 A.M. to 3:00 P.M. on Saturday, August 16. As the festival date nears, a schedule of events will be available at <http://www.fws.gov/deerflat/bioblitz.htm>. If you are interested in participating in BioBlitz 2008, please contact Amy Ulappa at 467-9278 or amy_ulappa@fws.gov as soon as possible.

----- MEXICAN BUTTERFLIES -----

The Interactive Listing of Mexican Butterflies, a web site (<http://www.mariposasmexicanas.com/>) with the purpose "to provide a centralized data resource for the study and enjoyment of the Mexican Butterflies. Our advisors, supporters and contributors include professional lepidopterists, collectors, butterfly photographers, butterfly watchers and enthusiasts all coming together to volunteer their efforts to create a community website that benefits everyone. Your input and resource contributions are encouraged and appreciated."

----- MORE OJS MUSEUM -----

The Wine/Doc Choc Museum Fund Raising Event last night was just Super. What a beautiful venue and evening! Thanks to Ron and Mary Bitner and Pat Fields for all that they did in making this such a quality event.

Brief Accounting Results: Paid Registration (35) @\$20 = +\$700, Silent Auction & Donations = +\$497, Food Expenses = -\$200, Total profit for the Museum: \$997.

Many people helped contribute to the event so the Museum could maximize its take, including Barbara Alexander (purchased the chocolate), Ron and Mary Bitner who donated their time and facility and numerous bottles of wine, Pat Fields for his travel to Idaho, presentation, and supplies, and folks who donated items to the silent auction (Billie Farley, Ron and Mary Bitner, Chris Walser, and Bill and Mary Clark). Dave and Val Ward and the Clarks made special efforts to recruit patrons for the event.

An added intangible for the event was the fact that many of the attendees were new to Museum events and just learned of the Museum. I hope I did not forget to thank too many folks who helped make this such a success.

Thanks Again to Ron, Mary and Pat!

Bill Clark

----- USEFUL STUFF -----

BioQuip August Book Special. The Scarabaeoid Beetles of Nebraska. Ratcliffe and Paulsen. \$ 50. http://www.bioquip.com/specials/book_special.asp.

BioQuip August Product Special. Pocket Light. \$ 31.15. www.bioquip.com/specials/product_special.asp.

USGS OFR 2008-1217, "Annotated definitions of selected geomorphic terms and related terms of hydrology, sedimentology, soil science, and ecology", is available on-line at:

<http://pubs.usgs.gov/of/2008/1217/>.

----- NICARAGUA SCARABAEOLOGISTS --

Some time ago we send an information about the possibility of organizing the Scarabaeologists Meeting in Nicaragua. We thanks all the people that answer us to participate. On petition of Mexican colleagues, the meeting, VIII RELAS, will be organized in Mexico in 2009. A web page is organized at: <http://www-museum.unl.edu/research/entomology/RELAS/Mexico-2009/Mexico.html>

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