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Hexapod Herald

Volume 20

February 2008

Number 1

WELCOME

New Distance Masters Students for Spring 2008: **Christian Elowsky**, Lincoln, NE; **Keith Haas**, Highland Village, TX; **Greg Harmison**, Spring, TX; **Michael Harmison**, APO, AE; **Tonya Kucharski**, Elgin, IL; **Airene Millsap**, Des Moines, IA; **Electra Ragan**, Midwest City, OK; **Bethany Teeters**, Two Rivers, WI

Anh Hoang is a new M.S. graduate student working under the supervision of Drs. **Tiffany Heng-Moss** and **Gautam Sarath**. Anh received her B.S. from UNL this past December. Anh's undergraduate degree was in biochemistry with minors in chemistry and mathematics.



Bamphitlhi "Banks" Tiroesele has returned to Nebraska to work on his Ph.D. degree under the supervision of Dr. **John Foster**. Banks had been employed by the Botswana College of Agriculture (BCA) as a Lecturer in the Crop Science and Production Department. The BCA is sponsoring the full cost of his studies here at UNL. Banks received his B.S. in Agriculture from BCA in 2001 and his M.S. in Entomology from UNL in December 2005 under Dr. Foster's supervision.



Arnubio Valencia Jiménez is a faculty member at the Universidad de Caldas in Manizales, Colombia. He is currently completing a Ph.D. at the University of Brasilia in Brazil and is visiting Dr. **Blair Siegfried's** lab for 12 months to study cellulose digestion in western corn rootworm larvae. He brings with him his wife Stella, daughter Louisa, and son John.



Marissa Young is the new Accounting Clerk III for the business center which includes Animal Science, Entomology, and Veterinary Science. Marissa is housed in Entomology, but she will also work for the Animal Science Department. The Entomology Accounting Clerk III position, which opened up in mid December when Barb Andersen retired, was reclassified into a Grants Specialist position. This person will work for all three departments, doing pre-award and post-award grant work and will be housed in the Animal Science Department.



Dr. Jerry Zhu, Research Entomologist, is the newest member of the USDA-ARS Agroecosystem Management Research Unit, located in room 304A Plant Industry Bldg. Dr. Zhu received his B.S. in Biology (Entomology) from Shanghai Normal University, China in 1982 and his Ph.D. in Chemical Ecology/Animal Ecology/Ecotoxicology from Lund University, Sweden in 1995. Prior to joining ARS he was an Associate Scientist and research faculty member of the Department of Entomology, Iowa State University and Research Director of MSTRS Technologies, Inc., Plant Science Institute, both in Ames, Iowa.



Dr. Matt Paulsen is the new Collections Manager in the Division of Entomology at the University of Nebraska State Museum as of January 15, 2008. Matt received his Ph.D. from UNL in 2006 under the supervision of **Drs. Mary Liz Jameson** and **Brett Ratcliffe**.

C O N G R A T U L A T I O N S

The following students graduated December 2007:

Resident M.S. Degree - **Michael L. Fisher** (Advisors: **Drs. Leon Higley** and **John Foster**)

Andrea R. Gutsche (Advisor: **Dr. Tiffany Heng-Moss**)

Chelsey M. Wasem (Advisors: **Drs. Fred Baxendale** and **Bob Wright**)

Distance M.S. Degree - **Betsy A. Anderson**, **William M. Herrmann**, **Andrea L. Leal**, **Trenton J. Lindenman**, **Frannie L. Miller**, **Tracey A. Sunderland**

B.S. in Insect Science - **Ashley S. Effken**

Dr. Fred Baxendale received the 2007 Award for Excellence in Extension for the North Central Region at the 2007 NASULGC Annual Meeting held in New York, NY, November 11-13, 2007.

Dr. Marion Ellis received the American Association of Professional Apiculturists Award of Excellence for 2008. Marion was also appointed Vice-Chairman of the Foundation for the Preservation of Honey Bees, a foundation that provides scholarship and travel awards to graduate students in apiculture.

Dr. John Foster received the IAPPS International Plant Protection Award of Distinction at the XVI International Plant Protection Congress held in Glasgow, Scotland, October 15-18, 2007. **Dr. E.A. "Short" Heinrichs** was the chair of the International Advisory Committee for the program.

Dr. Leon Higley was the ESA 2007 Founder's Memorial Award recipient and presented the Founder's Memorial Lecture at the 2007 ESA National Meeting. The theme of Leon's lecture was "Asa Fitch and the Future of Entomology."

Mike Fisher was the winner of the 2007 ESA Student Certification Award (sponsored by Springer Pest Solutions). Mike received this award at the ESA Annual Meeting in December.

Drs. David Carter, **Tiffany Heng-Moss**, and **Marion Ellis** were each awarded a "Certificate of Recognition for Contributions to Students" at a reception and ceremony on January 25, 2008, sponsored by the UNL Parents Association and UNL Teaching Council.

Leonardo Magalhaes was awarded an Honorable Mention by the Review Committee in the Folsom Distinguished Masters Thesis Award 2008 competition. Leo received his M.S. degree in August 2007, under the supervision of **Dr. Blair Siegfried**. Leo is now in a Ph.D. program at North Carolina State.

Jesus Orozco and Paola Plata were married December 27, 2007 in Colombia, South America. **Amanda Roe** and Marc Fujikawa were married in Hawaii on December 31, 2007. **Dr. Wyatt** and Kerri **Hoback** are the parents of a daughter, Allison Katana, born November 6, 2007.

P U B L I C A T I O N S

Alves, Analiza P., William J. Allgeier, and Blair D. Siegfried. 2008. Effects of the synergist S,S,S - tributyl phosphotriethioate on indoxacarb toxicity and metabolism in the European corn borer, *Ostrinia nubilalis* (Hübner). *Pesticide Biochemistry and Physiology*, 90(1): 26-30.

Brust, M.L. 2007. Collecting notes for *Cicindela denikei* Brown and range extensions for *Cicindela punctulata punctulata* Olivier and *Cicindela scutellaris lecontei* Haldeman. *Cicindela* 39(3-4): 61-66.

Brust, Mathew L., W.W. Hoback and R.J. Wright. 2007. Immersion tolerance in rangeland grasshoppers (Orthoptera: Acrididae). *Journal of Orthoptera Research* 16(2): 135-138.

Brust, Mathew L., Chris Reuter, Robert Quartarone, Lonnie Black, **W. Wyatt Hoback,** and **Robert Wright.** 2008. Grasshoppers of the Western United States Edition 2 (Lucid Key). <http://www.lucidcentral.org/keys/viewkeydetails.aspx?KeyId=451>

Crespo, André L.B., Terence A. Spencer, Emily Nekl, Marianne Pusztai-Carey, William J. Moar, and **Blair D. Siegfried.** 2008. Comparison and Validation of Methods To Quantify Cry1Ab Toxin from *Bacillus thuringiensis* for Standardization of Insect Bioassays. *Applied and Environmental Microbiology* 74(1): 130-135.

Ellis, M. et Y. Le Conte. 2008. Mortalities et depopulations des colonies d'abeilles aux Etats-Unis. *La Sante de l'Abeille* 223: 37-45.

Ellis, M. 2008. Colony collapse disorder. *Prairie Fire*, January 2008.

Huntington, T.E., D.W. Voigt, and L.G. Higley. 2008. Not the Usual Suspects: Human Wound Myiasis by Phorids. *Journal of Medical Entomology* 45(1): 157-159.

Jameson, M.L., E. Micó, and E. Galante. 2007. Evolution and phylogeny of the scarab subtribe Anisopliina (Scarabaeidae: Rutelinae: Anomalini). *Systematic Entomology* 32: 429-449.

Le Conte, Y. et **M. Ellis.** 2008. Mortalités et dépopulations des colonies d'abeilles domestique : le cas américain. *BIOFUTUR* 27/284: 49-53.

Neita, J. C., J. Orozco, and **B.C. Ratcliffe.** 2006. Escarabajos (Scarabaeidae: Pleurosticti) de la selva baja del bosque pluvial tropical "BP-T", Chocó, Colombia. *Acta Zoologica Mexicana* 22: 1-32.

Neita Moreno, J. C., **B. C. Ratcliffe,** and G. Calberto. 2007. Immature stages of *Aspidolea singularis* (Scarabaeidae: Dynastinae: Cyclocephalini). *Revista Colombiana de Entomología* 33: 178-182.

Paulsen, M. J. 2007. Nomenclatural changes in the Nearctic Ochodaeinae and the description of two new genera (Coleoptera: Scarabaeoidea: Ochodaeidae). *Insecta Mundi* 0021:1-13.

Pearson, G.A., Kerri M. Skinner, and **W. Wyatt Hoback.** 2007. Rearing the Masses: Defining Competencies for Entomological Literacy. *American Entomologist* 53(4): 216-223.

Ratcliffe, B. C. 2007. A remarkable new species of *Megaceras* from Peru (Coleoptera: Scarabaeidae: Dynastinae). The "Dim Effect": nature mimicking art. *Coleopterists Bulletin* 61: 463-467.

Ratcliffe, B. C. 2007. Book Review. 2007. Catalogue of Palearctic Coleoptera, Vol. 3. Scarabaeoidea, Scirtoidea, Dascilloidea, Buprestoidea, Byrrhoidea by I. Löbl and A. Smetana (editors). *Coleopterists Bulletin* 61: 427-428.

Siegfried, Blair D., Terence Spencer, Andre L. Crespo, Nicholas P. Storer, Graham P. Head, Elizabeth D. Owens, and David Guyer. 2007. Ten Years of Bt Resistance Monitoring in the European Corn Borer:

What We Know, What We Don't Know, and What We Can Do Better. American Entomologist 53(4): 208-214.

GRANTS

Fred Baxendale

- Industry Research Fund \$9,750
"TURF Research Trials PRA07-010"

Gary Brewer

- U.S. Department of Agriculture-ARS \$80,000
"Identifying Critical Stimuli for the Attraction and Oviposition of Stable Fly Populations"

Shripat Kamble

- Syngenta \$5,000
"Optigard Ant Trial"

Robert Wright

- Monsanto \$2,000
"Collection of European Corn Borer Moths"

Tierney Brosius has received a Research Grant-in-Aid from the Center for Great Plains Studies' Board of Governors for \$226.15.

STUDENT NEWS

Abby Stilwell was selected to receive a David H. & Annie Larrick Student Travel Award in the amount of \$500 to attend the North Central Branch ESA Meeting in Columbus, OH, March 24-27, 2008.

Nick Aliano, Julia Colby, Andrea Gutsche, Tim Husen, Lanae Pierson, Neil Spomer, and Luciana Toda all received travel support from the Myron H. Swenk Memorial Fund to attend the National ESA Meeting in San Diego, CA on December 9-13, 2007.

FROM THE OFFICE

Grants.Gov & Microsoft Vista & Word 2007 Alert. Grants.gov does not support the Microsoft Vista Operating system. The PureEdge software used by Grants.gov for forms is not compatible with Vista. In addition, the new version of Microsoft Word saves documents with the extension .DOCX. The Grants.gov system does not process Microsoft Word documents with the extension .DOCX. When submitting Microsoft Word attachments to Grants.gov, please use the version of Microsoft Word that ends in .DOC. Grants.gov will be reviewing VISTA and Word 2007 to determine if they can be supported in the future.

UNL Office of Research. NUgrant basics - Introduction to NUgrant will be offered the final Wednesday of the months of February through May at 1:00 - 2:30 p.m. in 201 Alexander West. For more information or to register, go to <http://research.unl.edu/nuramp/nugrant.shtml>.

Submission of Grant Proposals. This is a reminder to faculty that the University requires that all grant proposals be entered into NUgrant either before, or directly after, submission (depending on the circumstances). Faculty do not have the authority to approve proposals on behalf of the Board of Regents, or to submit them independently of the Office of Sponsored Programs. Please contact Jeanne Wicks, in the Office of Sponsored Programs, if you have questions.

Funding Opportunity - USDA. Integrated Pest Management: Crops at Risk and Risk Avoidance and Mitigation Competitive Grants Program http://www.csrees.usda.gov/funding/rfas/ipm_integrated.html
Deadline: 2/29/08

Expenses on Federal Grant Projects. This is a reminder to faculty with federal grants ("25" cost objects or pass-through funds) that computer and/or office supply expenses are not allowed. The only exception is if those expenses were written into the original proposal budget and approved by the funding agency.

TR A V E L

Dr. Brett Ratcliffe, Dr. Mary Liz Jameson, Julia Colby, Jesus Orozco, and Dr. Matt Paulsen attended the ESA meetings in San Diego in December as well as the meetings of the Entomology Collections Network and Coleopterists Society.

Dr. Brett Ratcliffe conducted collections research at the Natural History Museum of San Diego and the University of California-Riverside after the ESA meetings.

This is an excerpt from the February 2008 ESA Newsletter, written by the members of the UNL 2006-2007 Linnaean Team, Nicholas Aliano, Mathew Brust, Andre Crespo, Michael Fisher, and Tim Husen.

The Linnaean Games: Camaraderie, Competition, and Involvement

As returning champions, we lost to the University of Arkansas at the National ESA meeting in 2007. The battle the Razorbacks put forth was both challenging and admirable. They were certainly the better team, and it took little more than a 30-10 deficit for us to realize our grim fate. But enjoying our win at the 2006 national competition, combined with suffering our subsequent defeat in 2007, has given us the rare opportunity to appreciate what is most important about the games: teamwork and friendly rivalry. We have thoroughly enjoyed working together as a team and relish the opportunity to compete with the high-quality Linnaean teams present at the NCB and National ESA meetings.

According to J.E. McPherson, a judge at the 2007 ESA Annual Meeting, the Linnaean Games concept was originally developed by Tom Turpin, Jim Shaddy, and C. Richard Edwards back in 1981 for the North Central Branch's Annual Meeting that year. Due to its popularity, the concept quickly spread to other branches, and the games soon began to be played at the national level at ESA Annual Meetings.

We believe the games to be not so much about competition, but about camaraderie. One might observe that students are competitors and enemies for 30 minutes, but are friendly, bug-talking colleagues two hours later at local social enterprises. Such is the relationship that we have developed with several other teams. Participation in the Linnaean Games shows that students can intellectually appreciate their scientific fields while still having fun. Furthermore, the Linnaean Games demonstrates that students have intimate knowledge of their particular projects while respecting other areas of entomological research.

Whether you are an official team member or just a curious entomology student, we have realized that attending practice sessions expresses support for the team, the department, and the university. The Linnaean Games competition is a simple avenue for student involvement in the ESA. We have learned much about our fellow teammates and have built rapport with many students and faculty members across the United States. The ultimate goal should not be to win competitions, but rather to facilitate students' professional development. We have discovered that victories and championships are short-lived, but that the relationships formed and the experiences shared are long-lasting.

B L A S T S F R O M T H E P A S T

Dr. Robert Davis received the Distinguished Service Award to the Certification Program at the annual ESA National Meeting in December. Bob Davis received his M.S. degree from UNL in 1989 and his Ph.D. degree in 1996, both under the supervision of **Dr. Shripat Kamble**.

Dr. Jon Bedick, who received his Ph.D. degree from UNL in 2002 under the supervision of **Dr. David Stanley**, updated us with the following email (edited slightly): This is my fourth year at Shawnee State University and as of this past fall, I was promoted to associate professor. I have still not been able to wrestle the entomology class away from the senior professor who is teaching it. On the other hand, I have taught the following classes while at Shawnee: invertebrate, parasitology, intro biology (two versions), environmental science, animal physiology, human anatomy/physiology, (only once) herpetology, and scientific method (I can not explain that one quickly). This spring I am teaching two more new classes, botany/zoology and ecology. I will also teach herpetology again. We switched to semesters this fall, which has been a mixed blessing. I still enjoy teaching, although the workload has been high this year. The surrounding forest and hills are very nice, but the town is small. Being a property owner has been a good experience. There is a lot of wildlife at my place besides my dog, cat, and snake. I hope everyone is well in Lincoln.

Dr. David Stanley is serving as Acting Director of the National Center for Agricultural Utilization Research in Peoria, IL from January 2 to mid May or June, 2008. The center employs about 100 Ph.D. research scientists in 9 research units and about 250 support and administrative personnel.

Calendar of Events

February 18, 2008

- Entomology Seminar - Sandra Schaeffer, Graduate Student, 4:00 p.m., East Campus Union

February 19-20, 2008

- Nebraska Urban Pest Management Conference, The Cornhusker-Marriott Hotel, Lincoln, NE

February 22, 2008

- Special Seminar - Dr. Robert Davis, BASF Corporation, 11:00 a.m., East Campus Union

February 22, 2008

- Entomology Department Meeting, 2:00 p.m., 214 PIND

February 25, 2008

- Entomology Seminar - Stephen Young, Graduate Student, 4:00 p.m., East Campus Union

March 1, 2008

- Beginning Beekeeping Workshop - 9:00 a.m.-5:00 p.m., Kearney, NE

March 3, 2008

- Entomology Seminar - Dr. Anna Whitfield, Department of Plant Pathology, Kansas State University, 4:00 p.m., East Campus Union

March 8, 2008

- Beginning Beekeeping Workshop - 9:00 a.m.-5:00 p.m., Lincoln, NE

March 10, 2008

- Entomology Seminar - Neil Spomer, Graduate Student, 4:00 p.m., East Campus Union

March 16-23, 2008

- Spring Break - No classes, offices open

March 21, 2008

- Entomology Department Meeting, 2:00 p.m., 214 PIND

March 24, 2008

- Entomology Seminar - Sek Yee Tan, Graduate Student, 4:00 p.m., East Campus Union

March 24-27, 2008

- Meeting of the North Central Branch of the ESA, Columbus, OH

March 31, 2008

- Entomology Seminar - Kentaro Miwa, Graduate Student, 4:00 p.m., East Campus Union

April 7, 2008

- Entomology Seminar - Santiago Palizada, Graduate Student, 4:00 p.m., East Campus Union

April 12, 2008

- Beginning Beekeeping Workshop - 9:00 a.m.-5:00 p.m., Mead, NE

April 14, 2008

- Entomology Seminar - Lanae Pierson, Graduate Student, 4:00 p.m., East Campus Union

April 21, 2008

- Entomology Seminar - Jeremy Wagnitz, Graduate Student, 4:00 p.m., East Campus Union

April 28, 2008

- Entomology Seminar - Kathleen Kneeland, Graduate Student, 4:00 p.m., East Campus Union