

# Hexapod Herald

Volume 24

June 2012

Number 3

## WELCOME

New Distance Masters Students:

Summer 2012 - **John Ambelang**, Steilacoom, WA; **Dennis Stelzer Jr.**, Otsego, MI

Fall 2012 - **Brian Kelly**, Colorado Springs, CO

**Karen Ferreira Da Silva** is a new M.S. student who will be working under the supervision of **Dr. Blair Siegfried**. Karen is from Sao Paulo, SP, Brazil. She received a B.S. in Agronomy in 2012 from the Universidade Estadual Paulista. Karen was here last summer working in the insect toxicology lab to learn techniques related to European corn borer rearing and bioassay. Her thesis work will involve developing baseline susceptibility of fall armyworm to Bt toxins.

**Matheus Ribeiro** will be working under the supervision of **Drs. Tom Hunt** and **Blair Siegfried** as a new Ph.D. student. Matheus is from Brasilia Distrito Federal, Brazil. He received his B.S. in Agronomy from the Faculdade Da Terra De Brasilia in 2004, and his M.S. in Agronomy from the University of Brasilia in 2010. Matheus' initial studies will involve neonicotinoid seed treatments and soybean aphid.

**David Sindani Wangila** is a new Ph.D. student who will be working under the supervision of **Dr. Lance Meinke**. David is from Bungoma, Kenya. He received his B.S. degree in Education Science from Masinde Muliro University of Science and Technology in 2009 and his M.S. degree in Entomology in 2012 from Louisiana State University. David's area of study will involve western corn rootworm resistance management in Bt corn.

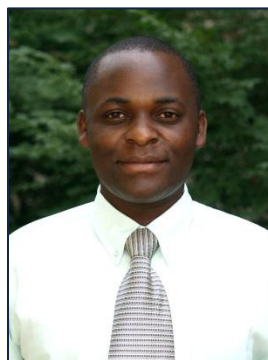
**Julie Augustin**, a M.S. student from the University of Avignon, (France) is completing a stage of her M.S. research under the supervision of **Drs. Marion Ellis** and **Blair Siegfried**. She is using an Etho-Vision video monitoring system to investigate sublethal effects of toxins on bee behavior. The goal of her work is to determine whether laboratory behavioral assays can be used to predict field relevant behaviors. She is also learning basic techniques for working with honey bees, rearing queens and not getting stung on the ankles. In her spare time, she is a talented musician. Please stop by the Bee Lab in ENTO 2 to say "Bonjour." Her stay will end in mid-August when she returns to INRA, Avignon to continue her studies.



**Da Silva**



**Ribeiro**



**Wangila**



**Augustin**

# MEETING NEWS

The North Central Branch ESA Meeting was held June 3–6, 2012 in Lincoln, NE. Meeting organizers included **Dr. Fred Baxendale**, NCB President; **Dr. Bob Wright**, Program Chair; **Drs. Gary Brewer** and **Shripat Kamble**; Local Arrangements Co-chairs, and **Mitch Stamm**, Student Representative for Local Arrangements. UNL tied with Iowa State University for most award winners in the student paper and poster competition.

North Central Branch ESA student award winners:

Undergraduate Paper - 2<sup>nd</sup> place - **Gabrielle Cooper**  
M.S. Paper - 1<sup>st</sup> place - **Kyle Koch**  
Ph.D. Paper - 3<sup>rd</sup> place - **Crystal Ramm**  
M.S. Poster - 2<sup>nd</sup> place - **Ashley Yates**  
Ph.D. Poster - 1<sup>st</sup> place - **Ken Miwa**

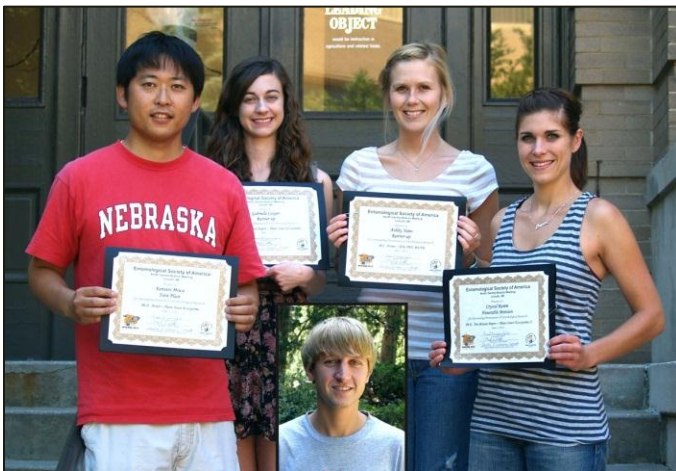
UNL entered two teams into the Linnaean Games competition. 'Team 1' consisted of **Wayne Ohnesorg, Jessica Jurzenski, Ken Miwa,** and **Johan Pretorius**. 'Team 2' consisted of **Tim Husen, Alister Bryson, Erin Ingram,** and **Kyle Koch**. Coaches were **Drs. Ken Pruess** and **Bob Wright**. In the semi-finals, Team 2 defeated Team 1, 110-100, and then in the finals, Team 2 defeated the University of Wisconsin for the championship. They will compete at the National ESA Meeting in November in Knoxville, TN.



Team 1 -Miwa, Jurzenski, Pretorius, Ohnesorg



Team 2 with coaches- Wright, Bryson, Husen, Koch, Ingram, Pruess



Miwa, Cooper, Yates, Ramm, and Koch (front)



Selling Bruner Club shirts – Dahlgren, Cooper, Yates, Oliveira

# CONGRATULATIONS

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**Dr. Tiffany Heng-Moss** is among the 2012 winners of the University of Nebraska's most prestigious awards for research, teaching and engagement. The university-wide awards recognize faculty whose work has made a strong impact on students, the university and the state. Heng-Moss was honored with the Outstanding Teaching and Instructional Creativity Award, which was presented during a luncheon on April 11, 2012.

**Dr. Joan Christen** has been named a recipient of the Presidential Award for Excellence in Mathematics and Science Teaching for 2011. Christen has taught science for grades 9-12 at Beatrice High School for the past nine years. She received her M.S. in Entomology from UNL through our distance program in 2001 and her Ph.D. in Entomology from UNL in 2008 under the supervision of **Drs. John Foster** and **Steven Skoda**.

The following students graduated May 2012:

**Ann Donohue**, M.S. (Advisor – **Dr. Tom Weissling**)

**Gregory Harmison**, M.S. (Advisor – **Dr. Tom Weissling**)

**Louise Lynch**, M.S. (Advisor – **Dr. Tom Weissling**)

**Daniel McCoy**, M.S. (Advisor – **Dr. Tom Weissling**)

**A. Justin McMechan** M.S. (Advisor – **Dr. Gary Hein**)

**Silvana Moraes**, Ph.D. (Advisors – **Drs. Tom Hunt** and **Robert Wright**)

**Adriane Tambasco** M.S. (Advisor – **Dr. Tom Weissling**)

B.S. in Diversified Agriculture – **Jeffrey Bacon, Justin Borchers, Brandon Ebberson**

B.S. in Applied Science – **Matthew Panowicz, Jacinda Sunday**

B.S. in Forensic Science - **Paulette Arguelles, Henry Buhr, Sara Cherubin, Nicholas Eurek, Megan Hokett, Sara Huwaldt, Kaitlin Leslie, Katarina May, Jonathan Petranek, Amanda Pfeiffer, Brianna Push, Jason Sanderson, Laura Simons, Shane Williams**

B.S. in Insect Science – **Ginny Morgal**

**Dr. Doug Golick** and his wife, Erinn, are the proud parents of twins, William Andrew (on the left) and Grace Elizabeth, born April 30, at 4:11 a.m. William weighed 6 lbs., 1 oz. and was 18½ inches long. Grace weighed 6 lbs., 6 oz. and was 19½ inches long. William and Grace were welcomed home by big brother, Braden.



# PUBLICATIONS

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**Belay, Difabachew K.**, M. Huckaba, Axel M. Ramirez, Jose C.V. Rodrigues, and **John E. Foster**. 2012. Insecticidal control of Whiteflies (Hemiptera: Aleyrodidae) transmitting Carlavirus on Soybeans and detection of the virus in alternate hosts. *Crop Protection* 35: 53-57.

**Belay, Difabachew K.**, Randy Huckaba, and **John E. Foster**. 2012. Susceptibility of Puerto Rico fall armyworm (FAW) (*Spodoptera frugiperda* Smith) population to different insecticides. *Florida Entomologist*. 95(2):473-475.

Lezama-Gutiérrez, Roberto, **Jaime Molina-Ochoa**, Omar Chávez-Flores, César Andrés Ángel-Sahagún, **Steven R. Skoda**, Gerardo Reyes-Martínez, Marisela Barba-Reynoso, Oscar Rebolledo-Domínguez, Graciela Ma. de la Luz Ruíz-Aguilar and **John E. Foster**. 2012. Use of the entomopathogenic fungi *Metarhizium anisopliae*, *Cordyceps bassiana* and *Isaria fumosorosea* to control *Diaphorina citri* (Hemiptera: Psyllidae) in Persian lime under field conditions. *International Journal of Tropical Insect Science* Vol. 32(1):39-44.

**Kneeland, Kathleen**, Thomas A. Coudron, **Erica Lindroth, David Stanley** and **John E. Foster**. 2012. Genetic variation in field and laboratory populations of the spined soldier bug *Podisus maculiventris* (Say) (Heteroptera: Pentatomidae). *Entomologia Experimentalis et Applicata* 143(2):120-126.

Reed, David H., Charles W. Fox, **Laramy S. Enders** and Torsten N. Kristensen. 2012. Inbreeding-stress interactions: evolutionary and conservation consequences. *Annals of The New York Academy of Sciences* 1256(1):33-48.

**Teeters, B.S., R.M. Johnson, M.D. Ellis,** and **B.D. Siegfried**. 2012. Using video-tracking to assess sublethal effects of pesticides on honey bees (*Apis mellifera* L.). *Environmental Toxicology and Chemistry* 31(6):1349-1354.

## FACULTY NEWS

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**Dr. Thomas Janousek** has been appointed as a Graduate Faculty Associate.

**Dr. Marion Ellis** gave a presentation for the Sunday with a Scientist series on bees which was held at Morrill Hall on May 20. Ellis also gave a presentation on factors affecting honey bee health at the Wachiska Audubon Society on May 10.

## GRANTS

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### Shripat Kamble

- DuPont Corporation..... \$20,000  
    *"Termite Research"*

### Robert Wright

- FMC Corporation..... \$4,000  
    *"Crop Insect Management Research"*

## MEET AN OFF-CAMPUS STUDENT

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Off-Campus M.S. Student – **Jenna Ryan**

Entomology! Where have you been all my life!? For the greater part of my existence, I have been trying to find a way to save the world from environmental degradation. In 2010, I graduated from Oregon State University with a B.S. in Environmental Science: Ecology and Natural Resource Management. Once I had a firm grasp on earth's environmental fundamentals, the next step was to join the crusade of environmentalists in a fight for the sanctity of nature. I dabbled in biology, forestry, policy, and law, but nothing "felt" quite right. In my quest for focus, I stumbled upon an undergraduate entomology course and fell deeply in love.

To say the phenomenal diversity, ancient lineage, and dominating biomass of Arthropoda are fascinating and inspiring would be an egregious understatement! Combined with cutting-edge interdisciplinary scientific applications and adventurous research opportunities, entomology became the only option for my career discipline. Nonetheless, the crux of my decision to pursue entomology is still in the interest of my original goal; finding solutions to toxic problems associated with managing insect populations is grassroots environmentalism.

I am a native Iowan and spent the majority of my life in the Midwest before my family joined the military. My husband, Jason, is a soldier in the U.S. Army, and we are currently stationed at Fort Bragg, NC. We have two daughters, Ava (11) and Elise (8), who are beginning to outsmart us, and a Pug dog, Xerxes, who already has. I have played piano for many years and now enjoy teaching my daughters to "tickle the ivories". I hobby read about human psychology and philosophy with an occasional sci-fi or murder mystery mixed in; I also watch a lot of TED Talks in my spare time.

The UNL Distance Entomology M.S. Program has allowed me to continue my academic pursuit while living the life of a military gypsy; by 2013, we will have moved three times in less than four years! I am currently rotating through the Graduate Medical Education Program at Womack Army Medical



Center. I spend most of my time conducting mosquito surveillance, but I also perform tick drags and conduct educational presentations while helping out with occasional arthropod ID. After graduation, my immediate goal is to obtain a fellowship with the Oakridge Institute for Science and Education (ORISE) at the U.S. Army Public Health Command on Fort Lewis, WA.

## ***STUDENT NEWS***

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**Ralph Narain** was awarded a Maude Hammond Fling Fellowship for the 2012-2013 academic year. The Hammond Fling Fellowship is one of the University's most prestigious honors and is awarded to outstanding masters and doctoral students. Recipients of the Fling Fellowship receive a stipend of \$20,000, as well as payment of tuition, fees, and the University's portion of the student's health insurance premium. Ralph will be honored at the annual fellowship reception held in the fall. Ralph also received a Milton E. Mohr Fellowship from the UNL Center for Biotechnology. The stipend for this fellowship is \$1,000.

Newly elected Bruner Club officers for 2012-2013 are: President-**Camila de Oliveria**, Vice-President-**Kyle Koch**, Secretary-**Crystal Ramm**, Treasurer-**Ralph Narain**, and GSA Representatives-**Johan Pretorius**, and **Ashley Yates**. Faculty representatives are **Drs. Steve Danielson** and **Ashley Hall**.

Newly elected club officers for the Insect Science Club are: President-**Gabrielle Cooper**, Vice President-**Stephanie Endrulat**, Secretary-**Katie O'Brien**, and Treasurer-**Aaron Gilman**.

## ***T R A V E L***

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**Dr. Shripat T. Kamble**, **Ralph Narain**, and **Abdul Hafiz Ab Majid** presented research papers at the National Conference of Urban Entomology in Atlanta, GA, May 20-23, 2012.

### *Calendar of Events*

**June 28-30, 2012**

- **Master Beekeeping Workshop, ARDC, Ithaca, NE**

**July 4, 2012**

- **Independence Day – Student and Staff Holiday – UNL offices closed**

**July 6, 2012**

- **8-Week and 1st 5-Week sessions end**

**July 9, 2012**

- **2nd 5-Week session begins**

**August 9, 2012**

- **2nd 5-Week session ends**

**August 10, 2012**

- **Summer Semester Graduate Commencement and Doctoral Hooding Ceremony, 3:00 p.m., Devaney Sports Center**

**August 11, 2012**

- **Summer Semester Undergraduate Commencement  
9:30 a.m., Devaney Sports Center**

**August 20, 2012**

- **Fall semester begins**

## Entomology is 125!

In the last *Hexapod Herald* you were invited to attend our Open House on June 8 2012. The event was an overwhelming success garnering two *Lincoln Journal Star* articles in the week leading up to the open house. What follows is a photo collage of the open house. If you were able to attend in person, we were so happy to see you. If not, here is a sampling.

Gary Brewer, Professor and Head



**Welcome**



**Poetry by Shelly Geiser**



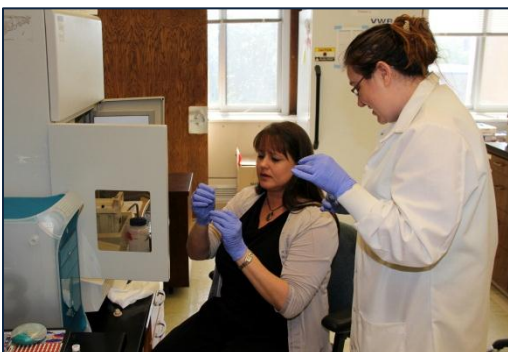
**Singing by Jim Pipher**



**Urban Entomology**



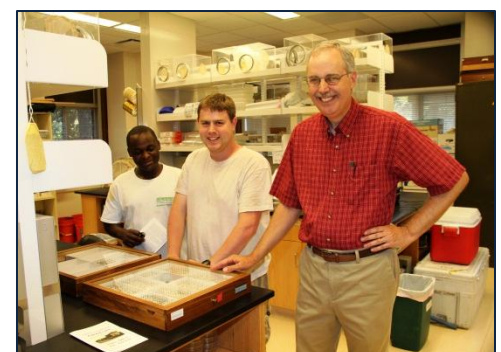
**Turfgrass Lab**



**Forensic Biochemistry**



**Parasitology Lab**



**Field Crops Entomology**



**Tasting some Mead**



**Testing the honey**



**Looking at insects**



**Showing off a collection**



**Showing off the murals**