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Hexapod Herald - Vol. 24, No. 1, February 2012

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"Hexapod Herald - Vol. 24, No. 1, February 2012" (2012). *Hexapod Herald and Other Entomology Department Newsletters*. 37.

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Hexapod Herald

Volume 24

February 2012

Number 1

WELCOME

New Distance Masters Students:

Spring 2012 – **Patrick Kelley**, Carmel, IN; **Christopher Talbert**, Racine, WI; **Lauren Williamson**, Houston, TX. Fall 2012 – **Joey Caputo**, Salt Lake City, UT

Dr. Doug Golick returned to the Department of Entomology this January as an assistant professor with a .80 FTE in Teaching and a .20 FTE in Extension. Doug is one of four faculty members hired to develop a nationally recognized program of excellence in science education. He will serve as CASNR's representative for science teacher education efforts, and his extension program will focus on agriculture and science literacy and development of online programs. Doug received his Master of Education in Curriculum and Instruction, with a minor in Entomology in 2001 from UNL, and his Ph.D. in Educational Studies with a Specialization in Instructional Technology in 2005 from UNL and was the web coordinator for the Department of Entomology from 2001-2006. For the past five years, Doug was in the Department of Instructional Development and Support at the University of Kansas and has been co-teaching a distance education course, Insects as Educational Tools, with **Dr. Tiffany Heng-Moss**. Doug and his wife, Erinn, have a son, Braden, and are expecting twins in May.

Ashley Yates is a new M.S. student, working under the supervision of **Dr Nick Miller**. Ashley comes to us from the Land of Lincoln and received her B.S. degree in Biology from Illinois College in 2010. Between graduating and joining the Department in January, she worked for Monsanto.



Dr. Doug Golick



Ashley Yates

CONGRATULATIONS

The following students graduated December 2011:

Amy Hughes M.S. (Advisor – **Dr. Tom Weissling**)

Amy Maile, M.S. (Advisor – **Dr. David Carter**)

Travis Prochaska, M.S. (Advisors – **Drs. Tiffany Heng-Moss** and **Tom Hunt**)

Sean Whipple, Ph.D. (Advisors – **Drs. John Foster** and **W. Wyatt Hoback**)

Matthew Yans, M.S. (Advisor – **Dr. Roberto Cortinas**)

B.S. in Diversified Agriculture – **Wayne Beethe**, **Scott Muller**

B.S. in Forensic Science – **Leah Beda**, **Kyle Drews**, **Devan Gieselmann**, **Stephanie Rosenthal**, **Daniel Vanderhoof**

B.S. in Insect Science – **Alex Heiden**, **Julie Lindsteadt**

GRANTS

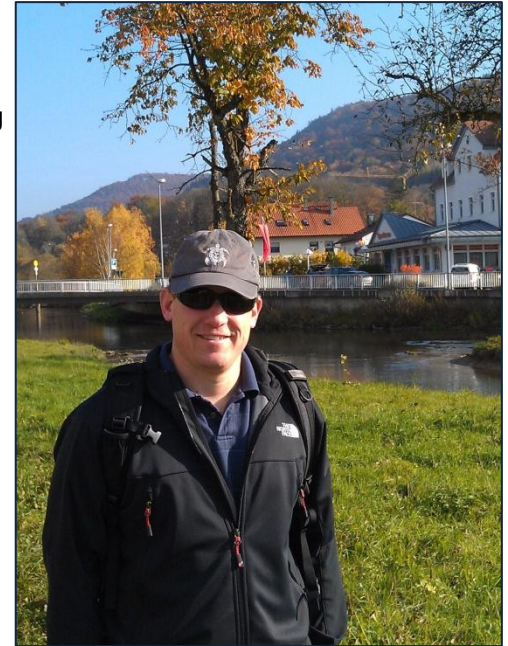
Shripat Kamble

- Dow Agrosiences \$10,000
"Termite Research"
- Syngenta, Inc. \$10,000
"Bed Bug Research"

MEET AN OFF-CAMPUS STUDENT

Off-Campus M.S. Student – Chris Tankersley

Some of my oldest and fondest recollections as a young child are of the outdoors, and many of these memories involve in some fashion, insects. I was always searching for them, turning over rocks and logs, digging, and inspecting plants, then showing off the collection to my mom. It seems that this behavior has really not changed much in the past 30+ years, though now I attempt to show them off to my wife. I am a Southern California native and grew up in San Diego. I went to college at the University of California, San Diego and graduated with a B.S. degree in Neuroscience and Animal Physiology. I have had a colorful career path thus far, which included years working at a research laboratory while in school, the San Diego County Medical Examiner's office, an emergency animal hospital, then the San Diego Zoo, before joining Quintiles CNS Therapeutics in San Diego. Quintiles is a contract research organization that contracts with larger pharmaceutical and biotechnology companies to help run human clinical trials for new drugs. I would not know it at the time, but this company was the stepping stone to my current company, Amgen Inc., where I have now been happily employed for the past 11 years and counting. My current position is that of Director of Clinical Development, which basically involves assuming primary authorship for study protocols as well as ensuring alignment of medical strategy, study design, and execution of clinical drug studies between various internal groups. Continuing my education has long been an objective, but I have been challenged by where to focus my energy and resources as there are many options available for the working professional. Fortunately, I learned about the entomology program at the University of Nebraska, Lincoln and knew immediately the area of study I wanted to pursue. Although my current position is not linked to entomology, and I don't have immediate plans to completely change career paths, I view this program with great optimism for the future. Aspects of the program have already led to greater appreciation and understanding of the complexity that exists in the micro-ecosystem that is my backyard, and I continue to share my enthusiasm for the fascinating insect world with anyone who will listen. I enjoy hiking, cycling, running, the occasional triathlon, gardening, zymurgy, cooking, being a hobby apiarist, and vacationing in Hawaii.



Chris near Ebermannstadt, Germany

PUBLICATIONS

Campbell, Laura A., Thomas L. Clark, Pete L. Clark, **Lance J. Meinke**, and **John E. Foster**. 2011. Field introgression of *Diabrotica barberi* and *Diabrotica longicornis* (Coleoptera: Chrysomelidae) based on genetic and morphological characters. *Ann. Entomol. Soc. Am.* 104(6):1380-1391. (doi.org/10.1603/AN11056)

De Jong G.D., **Hoback W.W.**, and Higley L.G. 2011 Effect of investigator disturbance in experimental forensic entomology: carcass biomass loss and temperature. *J. Forensic Sci.* 56(1): 143-149.

Ellis, M.D. and **B. Teeters**. 2011. Managed Pollinator Coordinated Agricultural Project - Assessing the risks of honey bee exposure to pesticides. *American Bee J.* 151(7): 682-683.

Gaussoin, R. E., R. N. Klein, S. Z. Knezevic, G. R. Kruger, D. J. Lyon, Z. J. Reicher, L. D. Sandell, S. L. Young, R. G. Wilson, P. J. Shea, C. L. Ogg, L. J. Giesler, T. A. Jackson, S. N. Wegulo, **R. J. Wright, J. D. Bradshaw**, K. J. Jarvi and M. Rethwisch. 2012. 2012 Guide for Weed Management in Nebraska with Fungicide and Insecticide information. Extension Circular 130, University of Nebraska-Lincoln Extension, 272 p.

Heintz, C., Ribotto, M., **Ellis, M.D.** and Delaplane, K.S. 2011. Best management practices for beekeepers pollinating California's agricultural crops. *American Bee J.* 151(3):265-267.

Molina-Ochoa, Jaime and **John E. Foster**. 2011. Environmental impact and cost-benefit analysis of biological control application, p. 371-386. *In*: Ninfa M. Rosa-Garcia (ed.) *Biological Control of Insect Pests*, Stadium Press LLC USA.

Paula-Moraes, S., E.C. Burkness, **T.E. Hunt, R.J. Wright, G.L. Hein**, and **W.D. Hutchison**. 2011. Cost-effective binomial sequential sampling of western bean cutworm, *Striacosta albicosta* (Lepidoptera: Noctuidae), egg masses in corn. *J. Econ. Entomol.* 104(6):1900-1908. DOI: <http://dx.doi.org/10.1603/EC11127>

Schaeffer, S.K., F.P. Baxendale, T.M. Heng-Moss, R.D. Sitz, G. Sarath, R.B. Mitchell, and R.C. Shearman. 2011. Characterization of the arthropod community associated with switchgrass (Poales: Poaceae) in Nebraska. *J. Kansas Entomol. Soc.* 84(2): 87-104.

Severmutlu, S., N. Mutlu, E. Gurbuz, O. Gulsen, M. Hocagil, O. Karaguzell, **T. Heng-Moss**, R.C. Shearman, and R.E. Gaussoin. 2011. Drought resistance of warm-season turfgrasses grown in Mediterranean region of Turkey. *HortTechnology* 21(6): 726-736.

Streich, A.M., A.D. Timmerman, **J.A. Kalisch**, S.M. Vantassel, **F.P. Baxendale**, and S.E. Hygnstrom. 2011. Landscape Diagnostic Guide for Problems Affecting Woody Ornamentals and Herbaceous Perennials. Extension Circular 1260, University of Nebraska Extension. 196 p.

Tangtrakulwanich, K., H. Chen, F. Baxendale, G. Brewer, and **J.J. Zhu**. 2011. Characterization of olfactory sensilla of *Stomoxys calcitrans* and electrophysiological responses to odorant compounds associated with hosts and oviposition media. *J. Medical and Veterinary Entomology* 25 (3):327-336.

Zhu, J.J., A. Li, **S. Pritchard, K. Tangtrakulwanich, F. Baxendale**, and **G. Brewer**. 2011. Contact and fumigant toxicity of a botanical-based feeding deterrent of the stable fly, *Stomoxys calcitrans* (Diptera: Muscidae). *J. Agric. Food Chem.* 59 (18): 10394-400.

FACULTY NEWS

Dr. Marion Ellis was presented the Founders Award from the Foundation for the Preservation of Honey Bees at the North American Beekeeping Conference held in January in Las Vegas, NV.

Dr. Ousmane Youm was initiated into Gamma Sigma Delta at their Initiation and Awards Banquet held on January 29, 2012.

STUDENT NEWS

Silvana Moraes received a David H. & Anne E. Larrick Memorial Travel Fund to travel to Lexington, KY, where she gave an invited presentation at the NC205 (Ecology and Management of European Corn Borer and Other Lepidopteran Pests of Corn) annual meeting January 23-25, 2012.

Jessica Jurzeski, Silvana Moraes, and **Chelsea Piitz** were initiated into Gamma Sigma Delta at their Initiation and Awards Banquet January 29.

Erin Ingram was awarded travel support from the Myron H. Swenk Memorial Fund to attend the American Bee Research Conference in Greenbelt, MD, February 7-8, 2012.

Ken Miwa was awarded travel support from the Myron H. Swenk Memorial Fund to participate in the 2012 Scarab course in Chancamayo, Junin, Peru, January 10-21, 2012.

Silvana Moraes was awarded an Honorable Mention by the Review Committee for the Outstanding Graduate Research Assistant Award. A reception honoring all participants was held February 2 at the Van Brunt Visitors Center.

T R A V E L

Dr. Brett Ratcliffe conducted a scarab identification workshop near San Ramon, Peru, January 10-21, for 28 students from 14 countries. Additional instructors included Dr. Ron Cave (University of Florida), Dr. Paul Skelley (Florida Dept. of Agriculture), and former UNL students Dr. Mary Liz Jameson (Wichita State University), Dr. Andrew Smith (Canadian Museum of Nature), and Dr. Federico Ocampo (Institute of Arid Zone Research, Argentina). UNL students attending were **Amy Maile, Julianne Matczyszyn, Andy Matz, Ken Miwa, Bethany Teeters**, and distance student **Patty Susman**. The workshop was great, but unfortunately, the collecting was poor, due possibly, to unusually dry weather. An extensive website is being developed on the Museum's Division of Entomology page.



Dr. Federico Ocampo
with amblypygid friend



Juli Matczyszyn with a
blue morpho butterfly



Patricia Susmann, distance
student from Colorado, in
field gear



Ken Miwa received the
award for the most
dedicated collector –
seriously.



Bethany Teeters, Andy Matz, Ken Miwa, Dr. Brett
Ratcliffe, Juli Matczyszyn, and Amy Maile



Juli, Beth, and Amy in native garb

Calendar of Events

February 14, 2012

- Entomology Seminar – Erin Ingram, Entomology Graduate Student
4:00 p.m., Nebraska East Union

February 14-15, 2012

- 20th Annual Urban Pest Management Conference, The Cornhusker-Marriott Hotel,
Lincoln, NE

February 18, 2012

- Beginning Beekeeping Workshop, Nebraska City, NE

February 21, 2012

- Entomology Seminar – Johan Pretorius, Entomology Graduate Student
4:00 p.m., Nebraska East Union

February 24, 2012

- Entomology Department Meeting, 10:00 a.m., ENTO 110

February 28, 2012

- Entomology Seminar – Wan Zaki Wan Mamat, Entomology Graduate Student
4:00 p.m., Nebraska East Union

March 6, 2012

- Entomology Seminar – Camila Oliveira, Entomology Graduate Student
4:00 p.m., Nebraska East Union

March 10, 2012

- Beginning Beekeeping Workshop, Hastings, NE

March 13, 2012

- Entomology Seminar – Lia Marchi, Entomology Graduate Student
4:00 p.m., Nebraska East Union

March 18-25, 2012

- Spring Vacation – (UNL offices are open Monday through Friday)

March 27, 2012

- Entomology Seminar – Kyle Koch, Entomology Graduate Student
4:00 p.m., Nebraska East Union

March 30, 2012

- Entomology Department Meeting, 10:00 a.m., ENTO 110

April 3, 2012

- Entomology Seminar – Dr. Robert N. Wiedenmann, Univ. of Arkansas
4:00 p.m., Nebraska East Union