CREATIVE ACTIVITIES

Department of Zoology
May 2011

PUBLICATIONS:

1. Bainbridge, B., K. A. Baum, D. Saenz, and C. K. Adams. 2011. Red-Cockaded Woodpecker cavity tree damage by Hurricane Rita: An evaluation of contributing factors. Southeastern Naturalist 10:11-24.
2. Baum, K. A., W. L. Rubink, R. N. Coulson, V. M. Bryant, Jr. 2011. Diurnal patterns of pollen collection by feral honey bee colonies in southern Texas, USA. Palynology 35:85-93.
3. Johnson, L. A., D. A. Haukos, L. M. Smith, and S. T. McMurry. 2011. Loss of playa wetlands caused by reclassification and remapping of hydric soils on the Southern High Plains. Wetlands: DOI 10.1007/s13157-011-0177.
4. Ophir, A. G. 2011. Towards meeting Tinbergen's challenge. *Hormones and Behavior*. Doi:10.1016/j.yhbeh.2011.03.012. [Invited, peer reviewed, commentary]
5. Roehrs, Z. P.*, J. B. Lack*, and R. A. Van Den Bussche. 2011. A molecular phylogenetic reevaluation of the tribe Nycticeiini (Chiroptera: Vespertilionidae). *Acta Chiropterologica*, 13:17 – 31.
6. Tobler, M., Z. W. Culumber, M. Plath, K. O. Winemiller, and G. G. Rosenthal. May 2011. An indigenous religious ritual selects for resistance to a toxicant in a livebearing fish. Biology letters. 7:229-232.

PRESENTATIONS:

1. Luttbeg, B. 19 May 2011. Predator and prey interactions and information disrupting toxins. Plenary talk at SETAC South Central Chapter Regional meeting.
2. Moyer, A. T., and B. Luttbeg. 18 May 2011. The Effects of Short Term, and Long Term Exposure to Elevated Cadmium Levels on Predator Avoidance Behavior in Southern Leopard Frog (*Rana Sphenocephala*) Tadpoles. Ozark Prairie, Society of Environmental Toxicology and Chemistry. Northeastern State University, Tahlequah, OK. (Poster)
3. Smith, L. M. Ecosystem Services, Policy Implications, and Playas of the Great Plains. National Wetlands Month Invited Seminar. Environmental Protection Agency. Kansas City , KS.

GRANTS RECEIVED:

1. Baum, K. A. March 2011. A&S Tech Fee Request: Enhancing student experiences in zoology laboratories through digital microscopy (Part 2). $42,398.
2. Kring, T. J., K. L. Giles, J. R. Hagler, K. A. Baum, B. McCornack, R. N. Wiedenmann, and D. S. Akin. March 2011. Impact of Bioenergy Crops on Pests, Natural Enemies and Pollinators in Agricultural and Non-Crop Landscapes. USDA-NIFA-AFRI: $938,104 (Baum portion: $113,249). 2011-2015.
3. Tobler, M., and R. Morehouse. May 2011. Determining factors affecting the distribution of endangered fish and crayfish species with emphasis on the Ozark region in Northeastern Oklahoma. State Wildlife Grant, Oklahoma Department of Wildlife Conservation. $99,888. 1 June 2011 - May 30 2014.

4. Van Den Bussche, R. A., and J. B. Lack. 1 April 2011. Comparative phylogeography of *Rattus rattus* and *Rattus norvegicus* in the U.S. and dispersal potential of rat-borne pathogens. NSF-DDIG. $11,624. 1 April 2011 - 1 April 2012.
5. Van Den Bussche, R. A., and J. B. Lack. 11 M ay 2011. Shifts in bat diversity inferred from sequencing of ancient DNA from 8,000-year old guano. Theodore Roosevelt Grant, American Museum of Natural History. $1,922. May 2011 - May 2012.