

Biological Sciences

2004-2005 Faculty Peer-Reviewed Publications

Self Report

* CWU Graduate Student

† CWU Undergraduate Student

Dan Beck

Beck, D. D. 2005. *Biology of Gila Monsters and Beaded Lizards*. University of California Press, Berkeley, 211 pages.

Beck, D. D. 2004. Venomous Lizards of the Desert. *Natural History* 113(6): 32-37.

Beck, D. D. 2004. Overview of the family Helodermatidae (for varanophiles). Pp 516 - 520 In: E. R. Pianka and D. King (eds.) *Varanoid Lizards of the World*. Indiana University Press, Bloomington.

Beck, D. D. 2004. *Heloderma horridum*. Pp 521-527 In: E. R. Pianka and D. King: *Varanoid lizards of the World*. Indiana University Press, Bloomington.

Beck, D. D. 2004. *Heloderma suspectum*. Pp 528-534 In: E. R. Pianka and D. King: *Varanoid lizards of the World*. Indiana University Press, Bloomington.

Tom Cottrell

Cottrell, T. R. 2004. Seed rain traps for forest lands: considerations for trap construction and study design. *BC Journal of Ecosystems and Management* 5(1):1-6. pdf available at URL www.forex.org/jem/2004/vol5/no1/art1.pdf.

Cottrell, T. R. 2004. Capturing Difficult Botanical Concepts With A Net Of Previous Knowledge. *American Biology Teacher* 66(6):434-438.

Dave Darda

Darda, D.M. 2005. Overview of Amphibians. In: *Amphibians of the Pacific Northwest* (L.L.C. Jones, W.P. Leonard, and D.H. Olson eds). Seattle Audubon Society, Seattle WA.

Kris Ernest

Ernest, K. A. 2005. Testing hypotheses on plant-herbivore interactions using sawfly galls on willows. Teaching Issues and Experiments in Ecology, Vol. 3: Experiment #2 [online].

<http://tiee.ecoed.net/vol/v3/experiments/sawfly/abstract.html>

Ernest, K. A. 2004. Measuring forest herbivory levels using canopy cranes. Pages 365-366, In Forest Canopies, 2nd ed. (M. D. Lowman and H. B. Rinker, eds.), Elsevier Scientific, St. Louis, MO.

Holly Pinkart

Krauter, P., Daily B., Dibley V., Pinkart H., and Legler, T. 2005. Perchlorate and Nitrate Remediation Efficiency and Microbial Diversity in a Containerized Wetland Bioreactor. Int. J. Phytoremediation 7:113-128.

Dimitriu, P.A., S. K. Shukla, J. Conradt, M. C. Márquez, A. Ventosa, A. Maglia, B. M. Peyton, H. C. Pinkart and M. R. Mormile. *Nitrincola lacisaponensis* gen. nov., sp. nov., a novel alkaliphilic bacterium isolated from an alkaline, saline lake. International Journal of Systematic and Evolutionary Microbiology (published online 3 June 2005. doi:10.1099/ijs.0.63647-0).

Ian Quitadamo

Quitadamo, I. J., & Campanella, R. (2005). Cougars, & Curriculum, and Community: A PBL Curriculum Provides Students With Valuable Interdisciplinary Learning Experiences. The Science Teacher, 72(4), 28.

Hines, S. A., Collins, P. L., Quitadamo, I. J., Brahler, C. J., Knudson, C. D., & Crouch, G. J. (2005). ATLes: The Strategic Application of Web-Based Technology to Address Learning Objectives and Enhance Classroom Discussion in a Veterinary Pathology Course. Journal of Veterinary Medical Education, 32(1), 103-112.

Linda Raubeson

Raubeson, L.A., and Jansen, R.K. (2005) Chloroplast Genomes of Plants. IN: R. Henry, ed., Diversity and Evolution of Plants – Genotypic and phenotypic variation in higher plants. London: CABI Publishing 2005, 45-68.

Cosner, M.E., Raubeson, L.A., and Jansen, R.K. (2004) Chloroplast DNA rearrangements in Campanulaceae: phylogenetic utility of highly rearranged genomes. BMC Evolutionary Biology 4: 27.
<http://www.biomedcentral.com/1471-2148/4/27>

Lixing Sun

Sun, L., W. A. Williams & C. Avalos. (2005) Human sweaty smell does not affect the menstrual cycle. In: Chemical Signals in Vertebrates 10 (ed. by R. T. Mason, L. McMaster & D. Müller-Schwarze. Plenum Press, NY.

Peterson, A. M., Sun, L. & F. Rosell. (2005) Species and subspecies recognition in the North American beaver. In: Chemical Signals in Vertebrates 10 (ed. by R. T. Mason, L. McMaster & D. Müller-Schwarze. Plenum Press, NY.

Asay, M. J., P. Harrowitz & L. Sun. 2005. Chemical communication and mate recognition in tailed frogs, *Ascaphus truei*. In: Chemical Signals in Vertebrates 10 (ed. by R. T. Mason, L. McMaster & D. Müller-Schwarze). Plenum Press, NY.

Buchan, A., L. Sun & S. Wagner. (2005) Using alpha numeric fluorescent tags for easy individual identification of amphibians. Herpetological Review 36(1):43-44.

Zhang, J., Z. Zhang & L. Sun. (2004) Influence of increasing mating partners on mating behavior and reproduction in Brandt's voles (*Microtus brandti*). Folia Zoologica 53:357-365.

Sun, L. & D. Müller-Schwarze. 2004. Heritability of kinship pheromone in the beaver: how is information about relatedness coded? Acta Zoologica Sinica 50: 504-510.

Stegen, J. C., C. M. Gienger & L. Sun. 2004. The control of color change in the Pacific tree frog *Hyla regilla* (Baird and Girard, 1852). Canadian Journal of Zoology 82: 889-896.

Zhang, J., Z. Zhang & L. Sun. 2004. Influence of male surgical sterilization on the copulatory behavior and reproduction of Brandt's vole. Acta Theriologica Sinica 24: 242-247.

Yuan, H. D. Liu, L. Sun, R. Wei, G. Zhang, and R. Sun. 2004. Anogenital gland secretions code for sex and age in the giant panda, *Ailuropoda melanoleuca*. Canadian Journal of Zoology 82: 1596-1604.

Steve Wagner

Ripplinger*, J., and R.S. Wagner (2005) Phylogeography of northern populations of the Pacific Chorus Frog, *Pseudacris regilla*. Northwestern Naturalist 85:118-125. (*Graduate student, Biological Sciences)

Buchan, A*, L. Sun, and R.S. Wagner (2005) Using alpha numeric fluorescent tags for individual identification of amphibians. Herpetological Review 36: 43-44. (*Graduate student, Biological Sciences)

Wagner, R.S (2005) Taxonomy and Genetic Diversity. In: Northwestern Amphibians (L. Jones, W. Leonard, and D. Olson eds). Seattle Audobon Society, Seattle, WA.

Wagner, R.S, C. Crisafulli, M. Miller and S.M. Haig. (2005) Geographic variation, genetic structure and conservation unit designation in the Larch mountain salamander (*Plethodon larseli*). Canadian Journal of Zoology 83: 1-12.