

Reading List ECOL 437 Vertebrate Physiology Fall 2003 K.E. Bonine

**Scientific American Readings are NOT in the reading packet, but will be made available on electronic reserve.

03 Sept.

Lienhard, G. E., J. W. Slot, D. E. James, and M. M. Mueckler. 1992. How cells absorb glucose. *Sci. Am.* 1992(Jan):86-91.

Nesse, R. M. and G. C. Williams. 1998. Evolution and the origins of disease. *Sci. Am.* 1998(Nov):86-93.

10 Sept.

Catania, K. C. 2002. The nose takes a starring role. *Sci. Am.* 2002(July):54-59.

De Cock Buning, T. 1983. Thermal sensitivity as a specialization for prey capture and feeding in snakes. *Amer. Zool.* 23:363-375.

Barinaga, M. 1999. Salmon follow watery odors home. *Science* 286:705-706.

Malakoff, D. 1999. Following the scent of avian olfaction. *Science* 286:704-705.

Mori, K., H. Nagao, and Y. Yoshihara. 1999. The olfactory bulb: coding and processing of odor molecule information. *Science* 286:711-715.

17 Sept. (write up 2 page summary of this article and bring to lab)

Pelis, R. M., J. Zydlewski, and S. D. McCormick 2001. Gill $\text{Na}^+\text{-K}^+\text{-2Cl}^-$ cotransporter abundance and location in Atlantic salmon: effects of seawater and smolting. *Am J Physiol Regulatory Integrative Comp Physiol.* 280:R1844-R1852.

24 Sept.

Ulmann, A., G. Teutsch, and D. Philibert. 1990. RU 486. *Sci. Am.* 262(June):42-48.

DeNardo, D. F. and B. Sinervo. 1994. Effects of corticosterone on activity and home-range size of free-ranging male lizards. *Hormones and Behavior* 28:53-65.

01 Oct.

Miyazawa, A., F. Yoshinori, and N. Unwin. 2003. Structure and gating mechanism of the acetylcholine receptor pore. *Nature* 423:949-955.

08 Oct.

Wilson, R. S., R. S. James, and R. Van Damme. 2002. Trade-offs between speed and endurance in the frog *Xenopus laevis*: a multi-level approach. *J Exp Biol* 205:1145-1152.

Dickinson, M. H., C. T. Farley, R. J. Full, M. A. R. Koehl, R. Kram, and S. Lehman. 2000. How animals move: an integrative view. *Science* 288:100-106.

15 Oct.

Marler, C. A., S. K. Boyd, and W. Wilczynski. 1999. Forebrain arginine vasotocin correlates of alternative mating strategies in cricket frogs. *Hormones and Behavior* 36:53-61.

Smith, L. C. and H. B. John-Alder. 1999. Seasonal specificity of hormonal, behavioral, and coloration responses to within- and between-sex encounters in male lizards (*Sceloporus undulatus*). *Hormones and Behavior* 36:39-52.

22 Oct.

Lillywhite, H. B. 1988. Snakes, blood circulation and gravity. *Sci. Am.* 259(Dec):92-98.

29 Oct.

Jackson, D. C., A. L. Ramsey, J. M. Paulson, C. E. Crocker, G. R. Ultsch. 2000. Lactic acid buffering by bone and shell in anoxic softshell and painted turtles. *Physiological and Biochemical Zool.* 73:290-297.

05 Nov.

Henen, B. T., C. C. Peterson, I. R. Wallis, K. H. Berry, and K. A. Nagy. 1998. Effects of climatic variation on field metabolism and water relations in desert tortoises. *Oecologia* 117:365-373.

12 Nov.

Zapol, W. M. 1987. Diving adaptations of the Weddell seal. *Sci. Am.* 256(6):100-105.

Gonzalez, N. C., T. Albrecht, L. P. Sullivan, and R.L. Clancy. 1990. Compensation of respiratory alkalosis induced after acclimation to simulated altitude. *J Applied Physiol* 69:1380-1386.

03 Dec.

Mendes, J. J. A. 2002. The endocrine disrupters: a major medical challenge. *Food and Chemical Toxicology* 40:781-788.

Hayes, T. B., A. Collins, M. Lee, M. Mendoza, N. Noriega, A. A. Stuart, and A. Vonk. 2002. Hermaphroditic, demasculinized frogs after exposure to the herbicide atrazine at low ecologically relevant doses. *PNAS* 99:5476-5480.

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- Barinaga, M.** 1999. Salmon follow watery odors home. *Science* 286:705-706.
- Malakoff, D.** 1999. Following the scent of avian olfaction. *Science* 286:704-705.
- Mori, K., H. Nagao, and Y. Yoshihara.** 1999. The olfactory bulb: coding and processing of odor molecule information. *Science* 286:711-715.
- DeNardo, D. F. and B. Sinervo.** 1994. Effects of corticosterone on activity and home-range size of free-ranging male lizards. *Hormones and Behavior* 28:53-65.
- Pelis, R. M., J. Zydlewski, and S. D. McCormick** 2001. Gill $\text{Na}^+\text{-K}^+\text{-2Cl}^-$ cotransporter abundance and location in Atlantic salmon: effects of seawater and smolting. *Am J Physiol Regulatory Integrative Comp Physiol.* 280:R1844-R1852.
- Miyazawa, A., F. Yoshinori, and N. Unwin.** 2003. Structure and gating mechanism of the acetylcholine receptor pore. *Nature* 423:949-955.
- Wilson, R. S., R. S. James, and R. Van Damme.** 2002. Trade-offs between speed and endurance in the frog *Xenopus laevis*: a multi-level approach. *J Exp Biol* 205:1145-1152.
- Dickinson, M. H., C. T. Farley, R. J. Full, M. A. R. Koehl, R. Kram, and S. Lehman.** 2000. How animals move: an integrative view. *Science* 288:100-106.
- Marler, C. A., S. K. Boyd, and W. Wilczynski.** 1999. Forebrain arginine vasotocin correlates of alternative mating strategies in cricket frogs. *Hormones and Behavior* 36:53-61.
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