

## Published Peer-reviewed Papers

**\*\* denotes co-authorship by a York College Biology major**

Rehnberg, B.G. 2011. Thermal heterogeneity in silk webs of the fall webworm, *Hyphantria cunea* (Lepidoptera: Arctiidae): Role of mats and resistance to wind. **Journal of the Pennsylvania Academy of Science**, in press.

Becker, C.E.\*\* , Mathur, C.F. and Rehnberg, B.G. 2010. The effects of chronic exposure to common bedding materials on the metabolic rate and overall health of male CD-1 mice. **Journal of Applied Animal Welfare Science** 13:46-55.

Rehnberg, B.G. 2006. Temperature profiles inside webs of the fall webworm, *Hyphantria cunea* (Lepidoptera: Arctiidae): Influence of weather, compass orientation and time of day. **Journal of Thermal Biology** 31:274-279.

Rehnberg, B.G. 2002. Heat retention by webs of the fall webworm, *Hyphantria cunea* (Lepidoptera: Arctiidae): Infrared warming and forced convective cooling. **Journal of Thermal Biology** 27:525-530.

Doll, K.\*\* and Rehnberg, B.G. 2001. Learning and long-term spatial memory of food patch locations in male and female Mongolian gerbils (*Meriones unguiculatus*). **Journal of the Pennsylvania Academy of Science** 75: 19-22.

Shaffer, M.\*\* and Rehnberg, B.G. 1999. Tree selection for antler rubbing by white-tailed deer (*Odocoileus virginianus*) in an agricultural region of southern Pennsylvania. **Journal of the Pennsylvania Academy of Science** 72:83-85.

MackKinnon, B.I., Frank, M.E., Hettinger, T.P. and Rehnberg, B.G. 1999. Taste qualities of solutions preferred by hamsters. **Chemical Senses** 24:23-35.

Grogan, S.\*\* and Rehnberg, B.G. 1996. Ash content of pellets and fecal-urinary wastes from a great-horned owl (*Bubo virginianus*) and a red-tailed hawk (*Buteo jamaicensis*): Implications for raptor mineral budgets. **Journal of the Pennsylvania Academy of Science** 70: 123-125.

Rehnberg, B.G., MacKinnon, B.I., Hettinger, T.P. and Frank, M.E. 1996. Analysis of polysaccharide taste in hamsters: Behavioral and neural studies. **Physiology and Behavior** 59:505-516.

Rehnberg, B.G., MacKinnon, B.I., Hettinger, T.P. and Frank, M.E. 1993. Anion modulation of taste responses in sodium-sensitive neurons of the hamster chorda tympani nerve. **Journal of General Physiology** 101:453-465.

Rehnberg, B.G., Hettinger, T.P. and Frank, M.E. 1992. Salivary ions and the neural taste response in hamsters. **Chemical Senses** 17:179-190.

Rehnberg, B.G., Hettinger, T.P. and Frank, M.E. 1990. The role of sucrose-sensitive neurons in ingestion of sweet stimuli by hamsters. **Physiology and Behavior** 48:459-466.

Rehnberg, B.G. and Smith, R.J.F. 1990. Behavioural and physiological responses to alarm pheromone by ostariophysan fishes and a possible modulating role for brain benzodiazepine receptors. Pages 132-138 in **Chemical Signals in Vertebrates V**, Macdonald, D.W., D. Muller-Schwarze and S.E. Natynczuk (eds.). Oxford University Press.

Rehnberg, B.G., Hettinger, T.P. and Frank, M.E. 1989. Neural cross-adaptation between sodium and chloride salts in the chorda tympani of the hamster. **Chemical Senses** 14:663-672.

Rehnberg, B.G., Bates, E.H., Smith, R.J.F., Sloley, B.D. and Richardson, J.S. 1989. Brain benzodiazepine receptors in fathead minnows and the behavioral response to alarm pheromone. **Pharmacology Biochemistry and Behavior** 33:435-442.

Rehnberg, B.G. and Smith, R.J.F. 1988. The influence of alarm substance and shoal size on the behaviour of zebra danios, *Brachydanio rerio* (Cyprinidae). **Journal of Fish Biology** 33:155-163.

Sloley, B.D. and Rehnberg, B.G. 1988. Noradrenaline, dopamine, 5-hydroxytryptamine, and tryptophan in the brains of four species of co-habiting fish. **Comparative Biochemistry and Physiology** 89C:197-199.

Rehnberg, B.G., Smith, R.J.F. and Sloley, B.D. 1987. The reaction of pearl dace (Pisces, Cyprinidae) to alarm pheromone: time-course of behavior, brain amines, and stress physiology. **Canadian Journal of Zoology** 65:2916-2921.

Rehnberg, B.G. and Schreck, C.B. 1987. Olfactory sensitivity of coho salmon, *Oncorhynchus kisutch* (Walbaum): Can salinity play a role? **Journal of Fish Biology** 31:305-307.

Rehnberg, B.G. and Schreck, C.B. 1987. Chemosensory detection of predators by coho salmon (*Oncorhynchus kisutch*): behavioral reaction and the physiological stress response. **Canadian Journal of Zoology** 65:481-485.

Rehnberg, B.G. 1987. Prey selection of the solitary wasp *Trypoxylon politum* (Hymenoptera: Sphecidae). **Canadian Entomologist** 119:189-194.

Rehnberg, B.G. and Schreck, C.B. 1986. The olfactory L-serine receptor in coho salmon: biochemical specificity and behavioral response. **Journal of Comparative Physiology A** 159:61-67.

Rehnberg, B.G. and Schreck, C.S. 1986. Acute metal toxicology of olfaction in coho salmon: Behavior, receptors, and odor-metal complexation. **Bulletin of Environmental Contamination and Toxicology** 36:579-586.

Rehnberg, B.G., Jonasson, B. and Schreck, C.B. 1985. Olfactory sensitivity during parr and smolt developmental stages in coho salmon (*Oncorhynchus kisutch*). **Transactions of the American Fisheries Society** 114:732-736.

Rehnberg, B.G., Curtis, L. and Schreck, C.B. 1985. Homing of morpholine-exposed and unexposed coho salmon (*Oncorhynchus kisutch*). **Aquaculture** 44:253-255.

Rehnberg, B.G., Schultz, D.A. and Raschke, R.L. 1982. Limitations of electronic particle counting in reference to algal assays. **Journal Water Pollution Control Federation** 54:181-186.

Rehnberg, B.G., Schultz, D.A. and Raschke, R.L. 1981. Algal cell disruption using a pyrex tissue grinder and the B. Braun Homogenizer. **Journal of Phycology** 17:281-282.