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Areas of Specialization

Behavioral Ecology, Evolution, Entomology

Education

Ph D, Purdue University, Biology, 1987.

BA, West Virginia University, Biology, 1982.

Professional Positions

Professor, Northern Illinois University. (2007 - Present).

Associate Professor, Northern Illinois University. (1994 - 2007).

Assistant Professor, Northern Illinois University. (1989 - 1994).

Postdoctoral Fellow/Visiting Assistant Professor, Indiana University. (1988 - 1989).

Research Associate, University of Cincinnati. (1987 - 1988).

Professional Memberships

Animal Behavior Society.

Entomological Society of America.

Publications

Academic Journal, Peer-Reviewed

Burgess IV, ER and King BH. (2015). Compatibility of the parasitoid *Spalangia endius* (Hymenoptera:

Pteromalidae) and insecticides against *Musca domestica* (Diptera: Muscidae) as evaluated by a new index.

Journal of Economic Entomology 108:986-992. doi: 10.1093/jee/tov104

Broski S and King BH. (2015). Drilling-in and chewing-out of hosts by the parasitoid wasp *Spalangia endius*

(Hymenoptera: Pteromalidae) when parasitizing *Musca domestica* (Diptera: Muscidae). *Environmental*

Entomology 44, 1116-1124. doi: 10.1093/ee/nvv069

Cooper, J. and King, B. H. (2015). Substrate-borne marking in the parasitoid wasp *Urolepis rufipes*

(Hymenoptera: Pteromalidae). *Environmental Entomology*, 44, 680-688. doi: 10.1093/ee/nvv017

King, B. H., Kolyott, K. L., Chesney, A. R. (2014). Livestock bedding effects on two species of parasitoids

(Hymenoptera: Pteromalidae) of filth flies. *Journal of Insect Science*.

Moran RL, vonEnde CN, King BH. (2014). Seasonal colour and anti-predator behaviour (Percidae: Etheostoma).

Journal of Fish Biology 84:1188–1194. doi:10.1111/jfb.12327

Mowles, S., King, B. H., Linforth, R., Hardy, I. (2013). A female-emitted pheromone component is associated with

reduced male courtship in the parasitoid wasp *Spalangia endius*. *PLOS ONE* 8 e82010.

doi:82010.81371/journal.pone.0082010.

Cooper, J., R, Burgess, E., King, B. H. (2013). Courtship behavior and detection of female receptivity in the

parasitoid wasp *Urolepis rufipes*. *Journal of Insect Behavior*, 26, 745-761.

Moran, R. L., von Ende, C., King, B. H. (2013). Mate choice copying in two species of darters (Percidae:

Etheostoma). *Behaviour*, 150, 1255–1274. www.brill.com/behaviour

Fischer, C. R., King, B. H. (2012). Inhibition of male sexual behavior after interacting with a mated female.

Behaviour, 149, 153-169.

King, B. H., Owen, M. A. (2012). Post-mating changes in restlessness, speed and route directness in males of the

parasitoid wasp *Spalangia endius* (Hymenoptera: Pteromalidae). *Journal of Insect Behavior*, 25, 309-319.

King, B. H., Kuban, K. E. (2012). Should he stay or should he go: male influence on offspring sex ratio via

postcopulatory attendance. *Behavioural Ecology and Sociobiology*, 66, 1165–1173.

King, B. H., Fischer, C. R. (2010). Male mating history: effects on female sexual responsiveness and reproductive

success in the parasitoid wasp *Spalangia endius*. *Behavioural Ecology and Sociobiology*, 64, p. 607-615.

Nichols, Jr., W. J., Bartelt, R. J., Cossé, A. A., King, B. H. (2010). Methyl 6-methylsalicylate: a female-produced

pheromone component of the parasitoid wasp *Spalangia endius*. *Journal of Chemical Ecology*, 36, p. 1140-

1147.

King, B. H., Bressac, C. (2010). No fitness consequence of experimentally induced polyandry in a monandrous

wasp. *Behaviour*, 147, p. 85-102.

King, B. H. (2010). Which sex controls the duration of postcopulatory courtship and to what effect in the parasitoid

wasp *Spalangia endius*. *Behaviour*, 147, p. 993-1007.

- King, B. H., Dickenson, R. M. (2008). A behavioral study of proximal mechanisms of male recognition of female mating status in the parasitoid wasp *Spalangia endius* (Hymenoptera: Pteromalidae). *Annals of the Entomological Society of America*, 101, p. 229-234.
- King, B. H. (2008). Effects of sex and mating status on who initiates contact in the parasitoid wasp *Spalangia endius* (Hymenoptera: Pteromalidae). *Journal of Insect Behavior*, 21, p. 387-393.
- King, B. H., Dickenson, R. M. (2008). Functional and nonfunctional female receptivity signals in the parasitoid wasp *Spalangia endius* (Hymenoptera: Pteromalidae). *Environmental Entomology*, 37, p. 782-786.
- Fischer, C. R., King, B. H. (2008). Sexual inhibition in *Spalangia endius* males after mating and time for ejaculate replenishment. *Sexual inhibition in Spalangia endius males after mating and time for ejaculate replenishment*, 21, p. 1-8.
- King, B. H. (2007). The effect of exposure to conspecifics on restlessness in the parasitoid wasp *Nasonia vitripennis* (Hymenoptera: Pteromalidae). *The Canadian Entomologist*, 139, p. 678-684.
- King, B. H. (2006). Mate location and the onset of sexual responsiveness in the parasitoid wasp *Spalangia endius* (Hymenoptera: Pteromalidae). *Environmental Entomology*, 35, p. 1390-1395.
- King, B. H., Ellison, J. H. (2006). Resource quality affects restlessness in the parasitoid wasp *Nasonia vitripennis*. *Entomologia Experimentalis et Applicata*, 118, p. 71-76.
- King, B. H., Napoleon, M. E. (2006). Using effects of parasitoid size on fitness to test a host quality model assumption with the parasitoid wasp *Spalangia endius*. *Canadian Journal of Zoology*, 84, p. 1-5.
- King, B. H., Leach, H. (2006). Variation in propensity to exhibit thanatosis in *Nasonia vitripennis* (Hymenoptera: Pteromalidae). *Journal of Insect Behavior*, 19, p. 241-249.
- King, B. H., Fischer, C. R. (2005). Males mate guard in absentia through extended effects of postcopulatory courtship in the parasitoid wasp *Spalangia endius*. *Journal of Insect Physiology*, 51, p. 1340-1345.
- King, B. H., Saporito, K. B., Ellison, J. H., Bratzke, R. M. (2005). Unattractiveness of mated females to males in the parasitoid wasp *Spalangia endius*. *To appear in Behavioural Ecology and Sociobiology*, 57, p. 350-356.
- Baeder, J., King, B. H. (2004). Associative learning of color by males of the parasitoid wasp *Nasonia vitripennis* (Hymenoptera: Pteromalidae). *Journal of Insect Behavior*, 17, p. 201-213.
- King, B. H., D'Souza, J. A. (2004). Effects of constrained females on offspring sex ratios of *Nasonia vitripennis* in relation to local mate competition theory. *Canadian Journal of Zoology*, 82, p. 1969-1974.
- Olbrich, D., King, B. H. (2003). Host and habitat use by parasitoids (Hymenoptera: Pteromalidae) of house fly and stable fly (Diptera: Muscidae) pupae. *Great Lakes Entomologist*, 36, p. 179-190.
- King, B. H. (2002). Breeding strategies in females of the parasitoid wasp *Spalangia endius*: effects of mating status and body size. *Journal of Insect Behavior*, 15, p. 181-193.
- King, B. H. (2002). Offspring number and sex ratio response to proportion of host sizes and ages in the parasitoid wasp *Spalangia cameroni* (Hymenoptera: Pteromalidae). *Environmental Entomology*, 31, p. 505-508.
- King, B. H. (2002). Sex ratio response to conspecifics in a parasitoid wasp: test of a prediction of local mate competition theory and alternative hypotheses. *Behavioural Ecology and Sociobiology*, 52, p. 17-24.
- King, B. H. (2001). Parasitization site on the host of the parasitoid wasp *Spalangia endius* (Hymenoptera: Pteromalidae). *Environmental Entomology*, 30, p. 346-349.
- Oliai, S. E., King, B. H. (2000). Associative learning in response to color in the parasitoid wasp *Nasonia vitripennis* (Hymenoptera: Pteromalidae). *Journal of Insect Behavior*, 13, p. 55-69.
- King, B. H., Grimm, K. E., Reno, H. (2000). Effects of mating on female locomotor activity in the parasitoid wasp *Nasonia vitripennis* (Hymenoptera: Pteromalidae). *Environmental Entomology*, 29, p. 927-933.
- King, B. H. (2000). Sex ratio and oviposition responses to host age and the fitness consequences to mother and offspring in the parasitoid wasp *Spalangia endius*. *Behavioural Ecology and Sociobiology*, 48, p. 316-320.
- King, B. H. (2000). Sperm depletion and mating behavior in the parasitoid wasp *Spalangia cameroni* (Hymenoptera: Pteromalidae). *The Great Lakes Entomologist*, 33, p. 117-127.
- Napoleon, M. E., King, B. H. (1999). Offspring sex ratio response to host size in the parasitoid wasp *Spalangia endius*. *Behavioral Ecology and Sociobiology*, 46, p. 325-332.
- King, B. H., Crowe, M. L. (1998). Effects of leaf age on oviposition and on offspring fitness in the imported willow leaf beetle *Plagiodera versicolora*. *Journal of Insect Behavior*, 11, p. 23-36.
- King, B. H. (1998). Host age response in the parasitoid wasp *Spalangia cameroni*. *Journal of Insect Behavior*, 11, p. 103-117.
- King, B. H. (1997). Effects of age and burial of house fly pupae (Diptera: Muscidae) on parasitism by *Spalangia cameroni* and *Muscidifurax raptor* (Hymenoptera: Pteromalidae). *Environmental Entomology*, 26, p. 410-415.
- King, B. H. (1996). Fitness effects of sex ratio response to host quality and size in the parasitoid wasp *Spalangia cameroni*. *Behavioral Ecology*, 7, p. 35-42.
- King, B. H. (1996). Sex ratio responses to other parasitoid wasps: multiple adaptive explanations. *Behavioural Ecology and Sociobiology*, 39, p. 367-374.
- King, B. H., Crowe, M. L., Skinner, S. W. (1995). Effect of host density on offspring sex ratios and behavioral interactions between females in the parasitoid wasp *Nasonia vitripennis* (Hymenoptera: Pteromalidae). *Journal of Insect Behavior*, 8, p. 89-102.

- King, B. H., King, R. (1995). Sibmating and its fitness consequences in the parasitoid wasp *Spalangia cameroni* (Hymenoptera: Pteromalidae). *Journal of Insect Behavior*, 8, p. 723-730.
- King, B. H., King, R. (1995). Sibmating and its fitness consequences in the parasitoid wasp *Spalangia cameroni* (Hymenoptera: Pteromalidae). *Journal of Insect Behavior*, 8, p. 723-730.
- King, B. H. (1994). Effects of host size experience on sex ratios in the parasitoid wasp *Spalangia cameroni*. *Animal Behaviour*, 47, p. 815-820.
- King, B. H. (1994). How do female parasitoid wasps assess host size during sex-ratio manipulation? *Animal Behaviour*, 48, p. 511-518.
- King, B. H., King, R. (1994). Sex ratio manipulation in response to host size in the parasitoid wasp *Spalangia cameroni*: is it adaptive? *Behavioral Ecology*, 5, p. 448-454.
- King, B. H., King, R. (1994). Sex ratio manipulation in response to host size in the parasitoid wasp *Spalangia cameroni*: is it adaptive? *Behavioral Ecology*, 5, p. 448-454.
- King, B. H., Lee, H. E. (1994). Test of the adaptiveness of sex ratio manipulation in a parasitoid wasp. *Behavioural Ecology and Sociobiology*, 35, p. 437-443.
- Crowe, M. L., King, B. H. (1993). Differences in the proportion of women to men invited to give seminars: Is the old boy still kicking five years later? *The Bulletin of the Ecological Society of America*, 74(4), p. 371-374.
www.jstor.org/stable/20167791
- King, B. H. (1993). Flight activity in the parasitoid wasp *Nasonia vitripennis* (Hymenoptera: Pteromalidae). *Journal of Insect Behavior*, 6, p. 313-321.
- King, B. H. (1993). Sequence of offspring sex production in the parasitoid wasp *Nasonia vitripennis* in response to unparasitized versus parasitized hosts. *Animal Behaviour*, 45, p. 1236-1238.
- King, B. H., Seidl, S. E. (1993). Sex ratio response of the parasitoid wasp *Muscidifurax raptor* to other females. *Oecologia*, 94, p. 428-433.
- Seidl, S. E., King, B. H. (1993). Sex ratio response to host size in the parasitoid wasp *Muscidifurax raptor*. *Evolution*, 47, p. 1876-1882.
- King, B. H. (1991). A field study of host size effects on sex ratio of the parasitoid wasp *Spalangia cameroni*. *American Midland Naturalist*, 125, p. 10-17.
- King, B. H. (1991). No intersexual differences in host size and species usage in *Spalangia endius* (Hymenoptera: Pteromalidae). *Great Lakes Entomologist*, 24, p. 17-20.
- King, B. H., Skinner, S. W. (1991). Proximal mechanisms of sex ratio and clutch size responses of the parasitoid wasp *Nasonia vitripennis* to parasitized hosts. *Animal Behaviour*, 42, p. 23-32.
- King, B. H., Skinner, S. W. (1991). Sex ratio in a new species of *Nasonia* with fully-winged males. *Evolution*, 45, p. 225-228.
- King, R., King, B. H. (1991). Sexual differences in color and color change in woodfrogs. *Canadian Journal of Zoology*, 69, p. 1963-1968.
- King, R., King, B. H. (1991). Sexual differences in color and color change in woodfrogs. *Canadian Journal of Zoology*, 69, p. 1963-1968.
- King, B. H. (1990). Interspecific differences in host (Diptera: Muscidae) size and species usage among parasitoid wasps (Hymenoptera: Pteromalidae) in a poultry house. *Environmental Entomology*, 19, p. 1519-1522.
- King, B. H. (1990). Sex ratio manipulation by the parasitoid wasp *Spalangia cameroni* in response to host age: a test of the host-size model. *Evolutionary Ecology*, 4, p. 149-156.
- King, B. H. (1989). A test of local mate competition theory with a parasitoid wasp, *Spalangia cameroni*. *Oikos*, 55, p. 50-54.
- King, B. H. (1989). Host size-dependent sex ratios among parasitoid wasps: Does host growth matter? *Oecologia*, 78, p. 420-426.
- King, B. H. (1988). Sex ratio manipulation in response to host size by the parasitoid wasp *Spalangia cameroni*: a laboratory study. *Evolution*, 42, p. 1190-1198.
- King, B. H. (1987). Offspring sex ratios in parasitoid wasps. *Quarterly Review of Biology*, 62, p. 367-396.
- King, B. H. (1987). Sexual size dimorphism in parasitoid wasps. *Biological Journal of the Linnean Society*, 30, p. 63-89.
- Wolff, J. O., King, B. H. (1982). Day refuges of *Peromyscus leucopus* and *Peromyscus maniculatus*. *Journal of Mammalogy*, 63, p. 666-668.

Other Publications

- King, B. H. (1998). *Challenges for dual career couples: an example*. Supplement to the Newsletter of the Canadian Association of University Teachers.
- King, B. H. (1994). In D.R. Papaj and A.C. Lewis (Ed.), *Review of Insect Learning* (vol. 47, pp. p. 743-747). New York: Animal Behaviour, Chapman and Hall.
- King, B. H. (1993). In Wrensch DL, Ebbert, M (Ed.), *Sex ratio manipulation by parasitoid wasps*. (pp. p. 418-441). New York/London: Evolution and Diversity of Sex Ratio in Insects and Mites. Chapman and Hall.
- King, B. H., King, R. (1993). *Sex ratio manipulation in response to host size in the parasitoid wasp Spalangia cameroni: is it adaptive?* (vol. 74, pp. p. 309). Conference Proceeding, *Bulletin of the Ecological Society of America*.

Presentations

- Burgess, E., King, B., 63rd Annual Meeting of the Entomological Society of America, "Sublethal effects of imidacloprid on the filth fly pupal parasitoid *Spalangia endius*," Minneapolis, MN. (November 2015).
- Wittman, T., King, B., 63rd Annual Meeting of the Entomological Society of America, "Male-produced pheromone in the mating system of the parasitoid wasp *Urolepis rufipes*," Minneapolis, MN. (November 2015).
- Burgess, E., King, B., Midwest Ecology and Evolution Conference, "Sublethal effects of imidacloprid on the filth fly pupal parasitoid *Spalangia endius*," Indiana University, Bloomington, IN. (March 2015).
- Hackman, C., Bieda, T., Burgess, E., King, B., 5th annual Undergraduate Research & Artistry Day, "Behavioral changes in *Spalangia endius* due to sub-lethal doses of a neonicotinoid," Northern Illinois University, DeKalb, IL. (April 24, 2015).
- Huttner, K., Heinsohn, B., Burgess, E., King, B., 5th annual Undergraduate Research & Artistry Day, "Behavioral responses of the parasitic wasps *Spalangia endius* and *Urolepis rufipes* to the fly pheromone (z)-9-tricosene and three common house fly pesticides," Northern Illinois University, DeKalb, IL. (April 24, 2015).
- Hackman, C., Bieda, T., Burgess, E., King, B., Phi Sigma Biological Honor Society Research Symposium, "Behavioral changes in *Spalangia endius* due to sub-lethal doses of a neonicotinoid," Northern Illinois University, DeKalb, IL. (April 12, 2015).
- Huttner, K., Heinsohn, B., Burgess, E., King, B., Phi Sigma Biological Honor Society Research Symposium, "Behavioral responses of the parasitic wasps *Spalangia endius* and *Urolepis rufipes* to the fly pheromone (z)-9-tricosene and three common house fly pesticides," Northern Illinois University, DeKalb, IL. (April 12, 2015).
- Trebel, L., Burgess, ER, King BH. The Effects of Pesticides on Natural Enemies of Pest Flies. 4th Annual Undergraduate Research & Artistry Day, NIU, (April 24, 2014).
- Trebel, L., Burgess, ER, King BH. The Effects of Pesticides on Natural Enemies of Pest Flies. Phi Sigma Biological Honor Society Research Symposium, NIU, (April 12, 2014).
- Burgess, ER, King BH. Comparative Toxicity of Seven Common Filth Fly Pesticides in The Pupal Parasitoid, *Spalangia endius*. Phi Sigma Biological Honor Society Research Symposium, NIU, (April 12, 2014).
- Moran R, vonEnde C, King BH. Mate choice copying in the banded darter and the fantail darter (Percidae: Etheostoma). Graduate Student Research Association Conference. NIU, (April 27, 2013).
- Broski, SA, Sieg ML, King BH. The effects of host size and age on the fitness of *Spalangia endius*. 3rd annual Undergraduate Research & Artistry Day, NIU, (April 24, 2013).
- Moran R, vonEnde C, King BH. Mate choice copying in two species of darters. Phi Sigma Biological Honor Society Research Symposium, NIU, (April 13, 2013).
- Broski SA, Sieg ML, King BH. The effects of host size and age on the fitness of *Spalangia endius*. Phi Sigma Biological Honor Society Research Symposium, NIU, (April 12, 2013).
- Olson, H., Schulmeister, T., Chesney, A. R., King, B. H., 3rd annual Undergraduate Research & Artistry Day, "Grooming, longevity and development: effects of livestock bedding on two species of parasitoid wasps," NIU. (April 24, 2012).
- Kuban, K. A., King, B. H., Phi Sigma Biological Honor Society Research Symposium, "A parasitoid wasp finding and choosing a mate," NIU. (April 9, 2012).
- Olson, H., Schulmeister, T., Chesney, A. R., King, B. H., Phi Sigma Biological Honor Society Research Symposium, "Grooming, longevity and development: effects of livestock bedding on two species of parasitoid wasp," NIU. (April 9, 2012).
- Kuban, K. A., King, B. H., Graduate Student Research Conference, "A parasitoid wasp finding and choosing a mate. Awarded second place.," NIU. (March 2012).
- King, B. H., Kuban, K., Joint Meeting of the International Ethological Conference and the Animal Behavior Society, "Should he stay or should he go: the function of male attendance in a parasitic wasp." (July 2011).
- Colyott, K., King, B. H., 2nd Annual Undergraduate Research & Artistry Day, "The Impact of Livestock Bedding on Two Species of Wasps," NIU. (April 20, 2011).
- Colyott, K., Chesney, A., King, B. H., Phi Sigma Biological Honor Society Research Symposium, "The Impact of Livestock Bedding on Two Species of Wasps," NIU. (April 9, 2011).
- Cooper, J., Burgess, T., King, B. H., Phi Sigma Biological Honor Society Research Symposium, "emale antennae and male mouthparts: role in courtship of the parasitoid wasp *Urolepis rufipes*.," Northern Illinois University, DeKalb, IL. (April 2010).
- Coletta, A., Kuban, K., King, B. H., Phi Sigma Biological Honor Society Research Symposium, "Mating behavior in the parasitoid wasp *Urolepis rufipes* in response to virginity," Northern Illinois University, DeKalb, IL. (April 2010).
- Cooper, J., King, B. H., Entomological Society of America National Meetings, "Abdomen marking in the parasitoid wasp *Urolepis rufipes*.," Indianapolis, IN. (December 2009).
- King, B. H., Fischer, C. R., Entomological Society of America National Meetings, "Effect of male mating history on females in *Spalangia endius* (Hymenoptera: Pteromalidae), a parasitoid of house fly pupae," Indianapolis, IN. (December 2009).

King, B. H., Fischer, C. R., Entomological Society of America National Meetings, "Genetic variation in male remating in *Spalangia endius*," Indianapolis, IN. (December 2009).

Nichols, Jr., W. J., Bartelt, R. J., Cossé, A. A., King, B. H., Entomological Society of America National Meetings, "Isolation, identification, and behavioral response of methyl 6-methylsalicylate, a female-specific sex pheromone component of the parasitoid wasp *Spalangia endius*," Indianapolis, IN. (December 2009).

Nichols, W., King, B. H., Phi Sigma Biological Honor Society Research Symposium, "Finding a Mate: A Chemical and Behavioral Study of a Female Sex Pheromone," Northern Illinois University, DeKalb, IL. (April 2009).

Niew, J., Nichols, W., King, B. H., Phi Sigma Biological Honor Society Research Symposium, "Sexual response among co-occurring parasitic wasps," Northern Illinois University, DeKalb, IL. (April 2009).

Nichols, W., King, B. H., Midwest Ecology and Evolution Conference, "Finding a Mate: A Chemical and Behavioral Study of a Female Sex Pheromone," University of Nebraska, Lincoln, NE. (March 2009).

Nichols, W., King, B. H., Hong, S., Biological Research Symposium, "A Search for the Source of *Spalangia endius* Anti-aphrodisiac," Northern Illinois University, DeKalb, IL. (2008).

King, B. H., "Choosing a Suitable Mate in a Parasitoid Wasp - a Story of Sexual Conflict?," Department of Biological Sciences, Northern Illinois University. (March 2007).

King, B. H., Department of Entomology, "Choosing a suitable mate in the parasitoid wasp *Spalangia endius*," University of Illinois, Champaign, IL. (February 2006).

Fischer, C. R., King, B. H., Midwest Ecology and Evolution Conference, "The effect of experience with a female on male mating behavior in the parasitoid wasp *Spalangia endius*," Southern Illinois University, Carbondale, IL. (March 2005).

Fischer, C. R., King, B. H., Biological Research Symposium, "Eagerness of "Experienced Males"," Northern Illinois University, DeKalb, IL. (2003).

Fischer, C. R., King, B. H., Illinois Academy of Sciences, "Eagerness of "Experienced Males"," Illinois State University, Normal, IL. (April 2003).

Olbrich, D., King, B. H., Midwest Ecology and Evolution Conference, "Parasitoid wasps on a dairy farm in northern Illinois," Bowling Green State University, Bowling Green, Ohio. (March 2002).

Peska, W. J., King, B. H., Biological Research Symposium, "Associative learning in response to color and brightness in the parasitoid wasp *Nasonia vitripennis*," Northern Illinois University, DeKalb, IL. (April 2001).

Bratzke, R. M., King, B. H., Biological Research Symposium, "Effects of mating status on receptivity in *Spalangia endius*," Northern Illinois University, DeKalb, IL. (April 2001).

Olbrich, D., King, B. H., Biological Research Symposium, "Got Wasp? A natural history survey of parasitoid wasps native to Illinois," Northern Illinois University, DeKalb, IL. (April 2001).

King, B. H., New Ideas In Science conference, "Insect behavior: illustrating biological concepts with an insect system," Northern Illinois University, DeKalb, IL. (April 2000).

Oliai, S., King, B. H., "Learning in the parasitoid wasp *Nasonia vitripennis*," Illinois Academy of Sciences. (1998).

King, B. H., Symposium speaker, "Parasitoid behavior and sex allocation," Entomological Society of America, Las Vegas, Nevada. (November 1998).

King, B. H., Animal Behavior Society Meeting, "Fitness effects of a parasitoid wasp's sex ratio response to host quality," Lincoln, Nebraska. (July 1995).

King, B. H., Midwest Animal Behavior Society Meeting, "How do female parasitic wasps measure the size of the hosts that they parasitize?." (1994).

King, R., King, B. H., Annual meeting, Ecological Society of America, "Sex ratio manipulation in response to host size in the parasitoid wasp *Spalangia cameroni*: is it adaptive?." (1993).

King, B. H., King, R., Ecological Society of America Meeting, "Sex ratio manipulation in response to host size in the parasitoid wasp *Spalangia cameroni*: is it adaptive?," Madison, WI. (August 1993).

King, B. H., 13th Midwest Conference on Population Biology, "Sex ratio manipulation by parasitoid wasps in response to host quality," Illinois State University. (November 1992).

King, B. H., "Parasitoid wasp sex ratio manipulation in response to host quality," University of Illinois, Champaign, IL. (March 1992).

King, B. H., Seidl, S. E., 12th Midwest Conference on Population Biology, "Sex ratio response to host size in the parasitoid wasp *Muscidifurax raptor*," Department of Biological Sciences, Northern Illinois University, DeKalb, IL. (October 1991).

King, B. H., "Sex ratio manipulation by parasitoid wasps in response to host quality," University of Wisconsin, Madison, WI. (September 1991).

King, B. H., "Sex ratio manipulation by parasitoid wasps," Illinois State University, Normal, IL. (April 1991).

King, B. H., Animal Behavior Society Meeting, "Sex ratio distinction between self- and conspecifically-parasitized hosts," State University of New York, Binghamton, NY. (June 1990).

King, B. H., "Sex ratio manipulation: response to resource availability by a parasitoid wasp," University of Chicago. (November 1989).

King, B. H., Animal Behaviour Society Meeting, "Proximal mechanisms of sex ratio and clutch size response of the parasitoid wasp *Nasonia vitripennis* to parasitized hosts." (June 1989).

- King, B. H., Evolution Society Meeting, "Proximal mechanisms of sex ratio response of the parasitoid wasp *Nasonia vitripennis* to parasitized hosts." (June 1989).
- King, B. H., "Sex ratio manipulation by parasitoid wasps," Department of Biological Sciences, Northern Illinois University, DeKalb, IL. (May 1989).
- King, B. H., Student Spring Symposium, "Proximal mechanisms of sex ratio response of the parasitoid wasp *Nasonia vitripennis* to parasitized hosts," Indiana University, Bloomington, IN. (March 1989).
- King, B. H., Evolution and Diversity of Sex Ratio in Arrhenotokous Insects and Mites., "Sex ratio strategies of parasitic hymenoptera," Entomological Society of America National Meetings. (December 1988).
- King, B. H., "Manipulation of offspring sex ratio by the parasitoid wasp *Spalangia cameroni*," Department of Biological Sciences, University of Cincinnati. (January 1988).
- King, B. H., Annual joint meeting of the American Society of Zoologists and the Animal Behavior Society of Zoologists and the Animal Behavior Society, "Sex ratio manipulation by the parasitoid wasp *Spalangia cameroni*: A test of the host size model.." (December 1987).
- King, B. H., Annual meeting of the Society of Naturalists, "Sex ratio manipulation in response to host size by the parasitoid wasp, *Spalangia cameroni* (Hymenoptera: Pteromalidae)." (June 1987).
- King, B. H., 7th annual Midwest Ecology and Evolution Conference, "The effect of host size on the sex ratio of the parasitoid wasp, *Spalangia cameroni* (Hymenoptera: Pteromalidae): a laboratory study." (April 1987).
- King, B. H., Midwest Regional Animal Behavior Conference, "The effect of host size on the sex ratio of the parasitoid wasp, *Spalangia cameroni* (Hymenoptera: Pteromalidae): a field study." (April 1987).
- King, B. H., International Behavioral Ecology Meeting, "Poster: Effect of host size on sex ratio of a parasitoid wasp *Spalangia cameroni*." (October 1986).

Contracts, Grants and Sponsored Research

- King, B. H., "Curriculum Grant 2011," Sponsored by Institute for the Study of Environment, Sustainability, and Energy, Northern Illinois University.
- King, B. H., "Effect of Livestock Bedding on Parasitism by Wasps That Provide Natural as Well as Artificial Control of Pest Flies 2010," Sponsored by Institute for the Study of Environment, Sustainability, and Energy, Northern Illinois University.
- King, B. H., "Host size effects in the parasitoid wasp *Spalangia cameroni*," Sponsored by National Science Foundation 1991-1994, Federal.
- King, B. H., "Undergraduate Research Assistantship: Behavior of Insect Parasites that Help Control Pest Flies summer 2012," Northern Illinois University.
- King, B. H., "(URAP) Undergraduate Research Apprenticeship," Sponsored by Northern Illinois University. (2012 - 2013).
- King, B. H., "(URAP) Undergraduate Research Apprenticeship," Sponsored by Northern Illinois University. (2011 - 2012).
- King, B. H., "(URAP) Undergraduate Research Apprenticeship," Sponsored by Northern Illinois University. (2004).
- King, B. H., "(URAP) Undergraduate Research Apprenticeship," Sponsored by Northern Illinois University, Northern Illinois University. (2003).
- King, B. H., "(URAP) Undergraduate Research Apprenticeship," Sponsored by Northern Illinois University. (2002).
- King, B. H., "(URAP) Undergraduate Research Apprenticeship," Sponsored by Northern Illinois University, Northern Illinois University. (2000).
- King, B. H., "Summer Research Support," Sponsored by Graduate School at Northern Illinois University, Northern Illinois University. (1994).
- King, B. H., "Research Experience for Undergraduates (REU) supplement to NSF grant," Sponsored by National Science Foundation, Federal. (1993).
- King, B. H., "Research Experience for Undergraduates (REU) supplement to NSF grant," Sponsored by National Science Foundation, Federal. (1992).
- King, B. H., Skinner, S., ""Sex ratio behavior and ecology of the wasp, *Nasonia vitripennis*,"" Sponsored by subcontract from Indiana University of NSF grant, State. (1990 - 1991).
- King, B. H., Skinner, S., ""Sex ratio behavior and ecology of the wasp, *Nasonia vitripennis*,"" Sponsored by National Science Foundation, Federal. (1989 - 1991).
- King, B. H., "Summer Research Support," Sponsored by Graduate School, Northern Illinois University, Northern Illinois University. (1990).
- King, B. H., Sponsored by Sigma Xi, The Scientific Research Society, Other. (1986).
- King, B. H., "Graduate Student Fellowship," Sponsored by National Science Foundation, Federal. (1982 - 1986).
- King, B. H., "Grants-in-Aid of Research," Sponsored by Sigma Xi, The Scientific Research Society, Other. (1985).

Academic Honors

- Magna cum laude from West Virginia University
- Phi Beta Kappa
- Outstanding Research Award, Faculty of Department of Biological Sciences, Northern Illinois University. (1990).

Miscellaneous

Reviewer, Journal Articles: American Midland Naturalist, American Naturalist, Animal Behaviour, Annals of the Entomological Society of America, Behavioral Ecology and Sociobiology, Behavioral Ecology, Behaviour, Behavioural Processes, Biological Control, Biological Journal of the Linnean Society, BMC Evolutionary Biology, Bulletin of Entomological Research, Canadian Journal of Zoology, Current Zoology, Entomologia Experimentalis et Applicata, Environmental Entomology, Ethology, Evolution, Evolutionary Ecology, Functional Ecology, Holarctic Ecology, Insect Science, Journal of Animal Ecology, Journal of Avian Biology, Journal of Chemical Ecology, Journal of Economic Entomology, Journal of Evolutionary Biology, Journal of Experimental Biology, Journal of Heredity, Journal of Insect Behavior, Journal of Insect Biology, Journal of Insect Physiology, Journal of Medical Entomology, Journal of Vector Ecology, Naturwissenschaften, Oecologia, Oikos, Proceedings of the Royal Society B, The Canadian Entomologist.

Editorial Review Board Member, Psyche (entomology journal; peer-reviewed, founded 1874, open access). (2007 - 2012).