**Laurel Braden Symes**

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**EDUCATION AND EMPLOYMENT**

2019- Assistant Director, Center for Conservation Bioacoustics, Lab of Ornithology, Cornell University

2019- Research Associate, Smithsonian Tropical Research Institute

2018-2019 Rose Postdoctoral Fellow, Cornell Lab of Ornithology [mentors: Holger Klinck and Mike Webster]

2015-2018 Neukom Postdoctoral Fellow, Dartmouth College [mentors: Hannah ter Hofstede (Biology) and Thalia Wheatley (Psychological and Brain Sciences)]

2016-2018 Smithsonian Fellow (Smithsonian Tropical Research Institute)

2014-2015 Post-doctoral Research Associate in Biology at University of Wisconsin, Milwaukee [advisor: Gerlinde Hobel]

2014 Short-term Post-doctoralFellow at Smithsonian Tropical Research Institute [advisor: Rachel Page]

2013 PhD in Biological Science, Dartmouth College [advisor: Mark McPeek]

2007 Denison University, B. S. Biological Sciences

2006 Organization for Tropical Studies—Costa Rica

**RESEARCH INTERESTS**

* Community ecology of communication
* Artificial neural networks for signal detection and classification
* Sensory ecology and neurophysiology
* Speciation, sexual selection, and mate recognition
* Metabolic physiology
* Biomechanics of signal divergence

**PUBLICATIONS**

\*Indicates undergraduate or high school student co-author; + Indicates citizen scientist co-author.

**In preparation, review, or revision:**

ter Hofstede HM, **Symes LB**, MartinsonSJ, Robillard T, FaureP, Madhusudhana S, PageRA. Calling songs of katydids (Orthoptera, Tettigoniidae) from Panama. *Accepted with minor revisions at the Journal of Orthopteran Research.*

**Symes LB,** SJ Martinson, and HM ter Hofstede. Wolves in sheep’s clothing: many katydid species ignore echolocation calls of potentially-predatory bats when other bat guilds are common. *In review at Ecology.*

VelillaE, M Muñoz, NA Quiroga, **LB Symes**, HM ter Hofstede, RAPage, R Simon, J Ellers, and W Halfwerk. Gone with the wind: Signal timing in a Neotropical katydid as an adaptive response to variation in wind-induced vibratory noise. *In review at Behavioral Ecology and Sociobiology.*

**Symes LB**, K Kittelberger\*, SM Stone\*, R Holmes, J Ralston\*, MP Ayres When to tweet: using spatial data to deconstruct the sources of daily variation in calling activity of breeding migrant songbirds. *In preparation for Ecology.*

**Published and in press:**

**Symes, LB**, NL Wershoven\*, L Hoeger\*, JS Ralston\*, SJ Martinson, HM ter Hofstede, CM Palmer. 2019. Applying and refining DNA analysis to determine the identity of plant material extracted from the digestive tracts of katydids. *PeerJ, 7,* e6808.

**Symes, LB** and T Wheatley. 2019. Random is not real: How the patchy distribution of ecological rewards may generate incentive hope. Editorially-selected commentary. Behavioral and Brain Sciences 42.

**Symes LB,** Martison SJ, L Hoeger\*, Page RA, ter Hofstede HM. 2018. From understory to canopy: In situ behavior of Neotropical forest katydids in response to free-flying bats. Frontiers in Ecology and Evolution 6:27.

Fitzpatrick CL, Mendelson TC, Rodríguez RL, Safran RJ, Scordato E, Servedio MR, Stern CA, **Symes LB,** Kopp M. 2018. Theory meets empiry: a citation network analysis. Bioscience. 68(10), 805- 812.

**Symes LB**. 2018. Spatial and temporal variation in three call traits and preferences of the tree cricket *Oecanthus forbesi.* Behavioral Ecology and Sociobiology 72:35*.*

Kopp M^, Servedio MS^, Mendelson TC, Safran RJ, Rodriguez RL, Scordato EC, **Symes LB**, Balakrishnan CN, Hauber ME, Zonana DM, van Doorn GS. 2018. Mechanisms of assortative mating in speciation: connecting theory and empirical research. *The American Naturalist* 191: 1- 20.

^Equal authorship.

**Symes LB**, Rodriguez RL, and Höbel G. 2017. Beyond temperature-coupling: Effects of temperature on ectotherm signaling and mate choice and the implications for communication in multi-species assemblages. *Ecology and Evolution.* 00:1–11. https://doi.org/10.1002/ece3.3059

Reichert M, **Symes LB.** and Höbel G.2016. Female acoustic signal timing preferences are robust to cross-modal visual stimulation. Animal Behaviour 119:151-159.

**Symes LB,** Page RA, and ter Hofstede HM. 2016. Effects of acoustic environment on male calling activity and timing in Neotropical forest katydids. Behavioral Ecology and Sociobiology 70: 1485-1495.

**Symes LB**, Ayres MP, Cowdery C\* and Costello RA\*. 2015. Signal diversification in *Oecanthus* tree crickets is defined by energetic, morphometric, and acoustic trade-offs. Evolution 69-6: 1518- 1527. *Featured in NPR series “Close Listening.”* [Journal cover photo by Janel diBiccari\*]

**Symes LB**, Serrell N, and Ayres MP. 2015. A practical guide for mentoring scientific inquiry. Bulletin of the Ecological Society of America 96(2): 352-367. *Featured in Nature article ‘Research protocols: A forest of hypotheses’ by Julia Rosen (2016).*

Rodríguez RL, Araya–Salas M, Gray DA, Reichert M, **Symes LB**, Wilkins MR, Safran RJ and Höbel G. 2015. How acoustic signals scale with individual body size: common trends in static allometry across diverse taxa. Behavioral Ecology 26(1): 168-177.

**Symes LB** and Price TD**.** 2015Sexual stimulation and sexual selection. The American Naturalist 185(4) iv. *Invited and reviewed perspective piece.*

**Symes LB.** 2014. Species composition affects the shape of mate response functions. Evolution 68: 205- 213.

Costello RA\* and **Symes LB**. 2014. Effects of anthropogenic noise on male signaling behaviour and female phonotaxis in *Oecanthus* tree crickets. Animal Behaviour 95: 15-22. *(\*Undergraduate senior thesis and best student poster in Animal Behavior at SICB 2015).*

Scordato ESC, **Symes LB**, Mendelson TC and Safran RJ. 2014. The role of sexual selection in speciation: how often is ecology measured? The Journal of Heredity 105(Special issue): 782- 794.

Safran RJ, Scordato ESC^, **Symes LB**^, Rodriguez RL and Mendelsen TC. 2013. Contributions of natural and sexual selection to the evolution of premating reproductive isolation: a research agenda.Trends in Ecology and Evolution 28:643-650. *^Equal authorship*

Rodriguez RL, Boughman JW, Gray DA, Hebets EA, Hobel G and **Symes LB**. 2013. Diversification under sexual selection: the relative roles of mate preference strength and the degree of divergence in mate preferences.Ecology Letters16: 964-974.

**Symes LB** and Collins NC+. 2013. A new species of tree cricket from the southwestern United States. Journal of Orthoptera Research 22: 87-91.

Safran RS, Flaxman S, Kopp M, Irwin D, Evans MR, Funk WC, Gray DA, Hebets EA, Seddon N, Scordato ESC, **Symes LB**, Tobias JA, Toews D and Uy A. 2012. A robust new metric of phenotypic distance to estimate and compare multiple trait differences among populations. Current Zoology 58: 426-439.

Collins N**+** and **Symes LB**. 2012. *Oecanthus walkeri*: A new species of tree cricket from Texas. Journal of Orthopteran Research. Journal of Orthoptera Research 21: 51-56.

McPeek MA, **Symes LB**, Zong DM\* and McPeek CL\*. 2011. Species recognition and patterns of population variation in the reproductive structures of a damselfly genus. Evolution 65: 419-428.

Schultz TD, Anderson CN and **Symes LB**. 2008. The conspicuousness of colour cues in male pond damselflies depends on ambient light and visual system? Animal Behaviour. 76: 1357-1364.

Paul P and **Symes LB**. 2008. Ballistocardiography in the physics classroom. The Physics Teacher 46:300- 302.

**NON-PEER REVIEWED CONTRIBUTIONS**

Dominy NJ, **Symes LB** (2019). Close encounters of the bird kind. Anthropology News 60(3):3-6.

**Symes LB** and Price TD. 2015. Review of ‘Animal Communication in Noise, Ed. H. Brumm.’ Animal Behaviour 108: 43-45.

**DATA AND SPECIMEN ARCHIVES**

**Symes LB,** Robillard T, Martison SM, ter Hofstede HM. Tettigoniidae collection archived at the French Museum of Natural History, Paris [approx. 1800 specimens].

**Symes LB.** 2016. *Oecanthus* collection archived at California Academy of Sciences [approx. 2200 specimens]. NSF program Advancing Digital Biological Collections.

**Symes LB.** Ayres MP, Cowdery CP, and Costello RA. 2015. Data from *Signal diversification in Oecanthus tree crickets is shaped by energetic, morphometric, and acoustic trade-offs.* Dryad data depository. http://dx.doi.org/10.5061/dryad.fb48n

**Symes LB.** 2014. Data from *Species composition affects the shape of mate response functions*. Dryad data depository. DOI:10.5061/dryad.87tk7

**Symes LB** 2013. Recordings and metadata for more than 600 individual *Oecanthus* crickets. Macaulay Library of Natural Sound, Cornell University.

**CONFERENCE ORGANIZATION**

Co-chair of the 2017 Gordon Research Seminar in Speciation. Tuscany, Italy.

**WORKING GROUPS, AND SHORT COURSES**

Weaving the Future of Animal Behavior. Diversity and Mentoring Workshop. May 16-18, 2019.

Conversant Leadership Training. May 6-8, 2019.

Responsible stewardship of academic environments: From corridors to classrooms to field sites. Diversity training, Dartmouth College. October 23, 2018.

Toward a unified evolutionary theory of decision-making in animals. National Evolutionary Synthesis Center working group. 2013-2014 (4 meetings).

An integrative evolutionary approach to examine sexual selection as a mechanism of speciation, National Evolutionary Synthesis Center Working Group. 2009-2011 (5 meetings).

Sound Analysis Workshop. Bioacoustics Research Program, Lab of Ornithology, Cornell University. June 2010 (9 day workshop).

Sound Recording Workshop. Macaulay Library of Natural Sounds, Lab of Ornithology, Cornell University. June 2009 (5 day workshop).

**FIELD EXPEDITIONS**

Artificial intelligence and acoustic monitoring of tropical environments. *One week deployment on the Osa Penninsula in Costa Rica, including providing acoustic training for the staff of the Osa Conservation organization.* May 2019.

Evolutionary trade-offs, demography, and communication in Neotropical katydids. *Three months on Barro Colorado Island in Panama. Facilitated logistics and data coordination for 17 team members and volunteers.* Dec 2017-March 2018.

Evolutionary trade-offs, demography, and communication in Neotropical katydids. *Three months on Barro Colorado Island in Panama. Facilitated logistics and data coordination for 12 team members and volunteers.* Dec 2016-March 2017.

Evolutionary trade-offs, demography, and communication in Neotropical katydids. *Six weeks on Barro Colorado Island in Panama. Facilitated logistics and data coordination for 4 team members.* Jan 2016-Feb 2016.

Multimodal communication in frogs. *Conducted locally-based research and organized a team of six students. 2014-2016.*

Signal timing behavior in Neotropical katydids. *Spent 3 weeks conducting research on Barro Colorado Island in Panama.*

Geographic sampling of tree cricket mating calls and preferences. *Six months of camping and staying at field stations in the eastern United States. Mentored field research by two students.* April 2012- Oct 2012.

Geographic sampling of tree cricket mating calls and preferences. *Six months of camping and staying at field stations in the eastern United States. Mentored field research by one student.* April 2011- Oct 2011.

Geographic sampling of tree cricket mating calls and preferences. *Three months of camping and staying at field stations in the eastern United States.* June 2010-August 2010.

**TEACHING EXPERIENCE**

**Courses as Primary Instructor**

Comparative Neurobiology of Social Interactions [Bio 33/Psychological and Brain Sciences 53, writing- intensive upper-level course]. *Enrollment: 35 students (2018), 34 students (2017), 20 students (2016).* Dartmouth College.

General Ecology [Bio 310, lecture course with TA-led labs*]. Enrollment: 65 students (2015)*. University of Wisconsin – Milwaukee.

Sound Recording Workshop. Bioacoustics Research Program, Lab of Ornithology, Cornell University. June 2018 (8 day workshop).

**Short Course Instruction**

Bioacoustics Research Program. Sound Recording and Analysis Workshop. Co-instructor.

Medellin, Colombia. November 2020 (7 days)

Ithaca, New York. September 2019 (5 days)

Ithaca, New York. May 2019 (7 days)

University of New Mexico, Taos. April 2019 (5 days)

Tirupati, India. March 2019 (7 days)

Sierra Nevada, CA. June 2018 (8 days)

**Graduate Teaching Assistant** (Dartmouth College)

Biology Foreign Studies Program (Costa Rica and Cayman Islands Winter 2010), Biostatistics (Winter 2009), Ecology (Spring 2008), Marine Biology (Fall 2007)

**Other Teaching Experience**

GK-12 Teaching Fellowship. Taught five classes per week in a 7th grade science classroom. Helped teachers design inquiry-based activities to incorporate into their curriculum. Fall 2012 through Spring 2013.

**STUDENT PROJECT MENTORING**

Rotation mentor. Colleen Miller. Convergent evolution in Neotropical katydids. Winter 2019.

Research advisor. Yuting Deng. Machine learning and bird song recognition. 2018-

Research advisor. John Deitsch. Analysis of communication signals in Neotropical katydids. 2018-

Project mentor. Caitlyn Lee. Interspecific comparison of auditory thresholds in Neotropical katydids. 2018- ***Manuscript in draft.***

Project mentor. Caitlyn Lee. An evolutionary model of energy expenditure in humans. 2016-

Project mentor. Kirstyn Coxen. Multi-component signals and the effect of pupil diameter on age perception. 2016-2017.

Senior Research Mentor. Robin Costello. Effects of anthropogenic noise on insect behavior and community composition. 2012-2013. ***Published in Animal Behaviour (Costello and Symes 2014), received best animal behavior poster award at Society for Integrative and Comparative Biology 2015. Co-author on Evolution paper (Symes et al. 2015).***

Summer Research Mentor. Lisa Carson. Latitudinal variation in the life-history of *Oecanthus* tree crickets. Summer 2012.

WISP (Women in Science Project) Mentor. Lisa Carson. Eight to ten hours per week. Winter and Spring 2012. ***Published in Transactions of the Entomological Society of America (Collins et al 2014)***

Summer Research Mentor. Janel DiBiccari. Field photography and audio archive. Summer 2011. ***[Photographs included cover image for Symes et al 2015, Evolution]***

HHMI Mentor. Colleen Cowdery. Fall 2011 and Winter 2012.

WISP (Women in Science Project) Mentor. Colleen Cowdery. Eight to ten hours per week. Winter and Spring 2011. ***Published in Evolution (Symes et al. 2015)***

Leave Term Project. Effects of anthropogenic noise on insect community structure. Jen Fownes. Ten week leave-term independent research project. Forty hours per week. Fall 2010.

**MENTORED MANUSCRIPTS**

*Provided feedback on ideas and design, technical assistance, and statistical advice.*

\* Indicates undergraduate student, + Indicates citizen scientist

Brown N\*, Fownes J\*, Grear\* M and O’Donnell D\*. 2010. Blindfolded birdwatching: The effect of harmonics on the localization of bird calls. Dartmouth Undergraduate Journal of Science. 2010(Summer).

Collins N+, Berghe EVD and Carson LM\*. 2014. Two new species of *Neoxabea*, three new species of *Oecanthus*, and documentation of two other species in Nicaragua (Orthoptera: Gryllidae: Oecanthinae). Transactions of the American Entomological Society. 140: 163-184.

**GRANTS, AWARDS, HONORS**

Exploring the hidden complexity of natural soundscapes from Garajonay National Park and Silbo-Gomerao language. National Geographic Young Explorers Grant. Collaborator and mentor.

The new buzz: AI-powered acoustic monitoring of insect communities to advance conservation of tropical rainforests. Artificial Intelligence for Earth Program. Co-sponsored by Microsoft and National Geographic. Project co-leader ($109,787, plus computational credit of $74,325.98, Dec 26, 2019- Jan 1, 2020).

Rose Fellowship, Lab of Ornithology, Cornell University (~$70,000, 2018-2019)

Scholarly Innovation and Advancement Award: Ancestral soundscapes and the origins of spoken language, Co-PI ($25,000, 2018)

Neukom CompX Grant: Ancestral soundscapes and the origins of spoken language (fieldwork support), Co-PI ($10,000, 2018)

Neukom Fellowship, Dartmouth College (Total Award ~$190,000, 2015)

Smithsonian Tropical Research Institute Short-term Fellowship (2014)

Hannah Croasdale Research and Teaching Graduation Award (2013)

National Science Foundation Fellow (Stipend support) (2012-2013)

Orthopterists Society Research Fund ($800, 2012)

Huyck Preserve Grant ($2600 and three weeks lodging for three people, 2012)

Huyck Preserve Grant ($2600 and three weeks lodging for two people, 2011)

Department nominee for Filene Teaching Award (2010)

Gilman Grant ($1500, 2010)

Orthopterists’ Society Research Fund ($1000, 2010)  
Graduate Studies Grant ($1000, 2010)

Graduate Research Fellowship (GRFP) Honorable Mention (2009)

Graduate Research Fellowship (GRFP) Honorable Mention (2008)

Graduate Assistance in Areas of National Need Grant, Dartmouth College (stipend and research expenses, 2007-2008)

President’s Medal, Denison University (2007)

Graduate Research Fellowship (GRFP) Honorable Mention (2007)

Anderson Scholarship in the Sciences (full tuition scholarship, summer stipend and research expenses, 2005-2007)

Battelle Memorial Institute Grant (travel expenses for research in Costa Rica: $1148, 2006)

Arend/McBride Summer Field Biology Scholar (summer stipend and research expenses, 2005)

Denison Summer Scholar Award (summer stipend and research expenses, 2004)

Denison Faculty Scholarship for Achievement (full tuition, 2003-2007)

**OUTREACH ACTIVITIES**

Scientific consultant for children’s book. Author Rebecca Hirsch. September 2019.

Sound Reporting Co-Lab. International science journalism training program. In collaboration with European Forest Institute’s Lookout Station. Poland. July 2019.

“Insectuality II.” Threshold Shift. KBOO Radio.

“Insectuality.” Threshold Shift. KBOO Radio.

Interview for International Women’s Day. Threshold Shift KBOO Radio.

“Sex and Death in the Rainforest.” National Public Radio. All Things Considered. April 2016. Discussed research and presented compilations of sounds from insects and bats.

“Close Listening: Decoding Nature Through Sound.” National Public Radio series on research and acoustics. Morning Edition, 2015. Discussed research and acoustics. In follow-up piece, identified insect recordings submitted by listeners. ***Series received the National Academies of Sciences, Engineering, and Mathematics Communication Award in 2016.***

[*http://www.npr.org/series/432299810/listening-series*](http://www.npr.org/series/432299810/listening-series)

“Slo-mo cricket chirps reveal secret serenades.” National Public Radio segment. Morning Edition, 2009.

Howard Hughes Medical Institute Mentoring Program: Six-week program teaching hands-on science in sixth and eighth grade class rooms (2008 and 2009, respectively)

Montshire Museum of Science Camp-In Program: Program for grade school and middle school students. Four hour program that includes leading night walks, discussions about social insects, chemistry experiments, and star gazing. 2007-2010.

**PRESENTATIONS AT MEETINGS**

Madhusudhana SK, **LB Symes**, H Klinck. A deep convolutional neural network based classifier for passive acoustic monitoring of neotropical katydids. Acoustical Society of America, 2019.

**Symes LB**, SJ Martinson, RA Page, HM ter Hofstede. Trade-offs and trait associations in neotropical forest katydids. Animal Behavior Milwaukee, WI. 2018.

**Symes LB**, Laurel Symes, Kyle Kittelberger, Jess Ralston, Sophia Stone, and Matt Ayres. Spatial and temporal patterns in the vocalizations of Hubbard Brook songbirds. Hubbard Brook Collaborators Meeting, Hubbard Brook Forest, NH. 2018.

**Symes LB** and HM ter Hofstede. Effects of predator cues on prey signaling behavior: Bat echolocation and katydid calls in the Neotropical forest canopy. Invertebrate Sound and Vibration, Rauischholzhausen, Germany. 2017.

Ayres MP, **Symes LB**, Stone S, Ralston J, ter Hofstede HM, Fisk M, and Yanai R. (2017) Calling behavior during breeding of Neotropical migrant birds in the Hubbard Brook Forest, NH, USA. Acoustic Communication by Animals, Omaha, Nebraska.

**Symes LB,** Martinson SJ, ter Hofstede HM. Acoustic and ecological correlates of signal repetition rate. Poster, Animal Behavior Society, Toronto, Canada. 2017.

**Symes LB,** Martinson SJ, ter Hofstede HM (2017) Acoustic and ecological correlates of signal repetition rate. Poster, Animal Behavior Society, Toronto, Canada

**Symes LB,** HM ter Hofstede, SJ Martinson, S Stone, JA Ralston, and MP Ayres. Acoustic Communication by Animals, Omaha, NE. 2017.

**Symes LB** and HM ter Hofstede. Predator, competitor, mate: Signal detection and discrimination by Neotropical forest katydids. Animal Behavior, Columbia, MO. 2016.

**Symes LB**, MP Ayres, and HM ter Hofstede. Automated acoustic recording and detection at Hubbard Brook. Hubbard Brook Collaborators Meeting, Hubbard Brook Forest, NH. 2016

**Symes LB** and HM ter Hofstede. The music of nature: Animal communication and soundscapes. New music festival, Dartmouth College, NH. 2016

ter Hofstede HM, Page RA, **Symes LB** Effects of acoustic environment on male calling activity and timing in Neotropical forest katydids. Presentation, Animal Behavior Society Conference, Columbia, MO. 2016.

**Symes LB**. Signal diversification in *Oecanthus* tree crickets is shaped by energetic, morphological, and acoustic trade-offs. Invertebrate Sound and Vibration. Ottawa, Canada. 2015.

**Symes LB,** Page RA, ter Hofstede HM (2015) Variation in the responses of singing Neotropical katydids to conspecific and heterospecific calls. Presentation, Invertebrate Sound and Vibration Conference; Ottawa, Canada. 2015.

**Symes LB**, ESC Scordato, RJ Safran, and TC Mendelson. The interaction of ecology in sexual selection and speciation. Evolution meeting, Durham, NC. ***Featured symposium****.* 2014

**Symes LB**. Species composition affects the shape of female response functions. Evolution Meeting, Snowbird, UT. 2013.

**Symes LB**. Sexual selection and species recognition in *Oecanthus* tree crickets. Acoustic Communication in Animals Meeting, Ithaca, NY. 2011.

**Symes LB** and MA McPeek. Interpopulation variation in structures used in mate recognition by *Enallagma* damselflies. Evolution Meeting, Minneapolis, MN. 2008.

**Symes LB** and TD Schultz. Polychromatism in the damselfly *Enallagma civile* and assessment of the male mimicry hypothesis. Annual Meeting of the Ecological Society of America. Memphis, TN. 2006.

**INVITED SEMINARS**

Southern New Hampshire University (Spring 2020)

Northern Woodlands Conference (Plenary, Fall 2019)

Cornell University (Fall 2018)

University of Nebraska (Fall 2017)

Elon University (Fall 2017)

Reed College (Fall 2017)

University of Illinois (Winter 2017)

New Jersey Institute of Technology (Winter 2017)

Castleton College (Fall 2016)

University of New Hampshire (Fall 2016)

**REFEREE**

Acta Ethologica, American Naturalist, Animal Behaviour, Behavioral Ecology, Behavioral Ecology and Sociobiology, Behavioural Processes, Bioacoustics, Biological Journal of the Linnean Society, Biology Letters, Ecological Applications, Ethology, Ethology Ecology and Evolution, Evolution, Journal of Ethology, PLOS ONE, Proceedings of the Royal Society B, Remote Sensing in Ecology and Conservation, United States National Science Foundation

**RECENT AND ONGOING COLLABORATIONS**

Matthew Ayres, Ryan Calsbeek, Nathaniel Dominy, Mark Hauber, Eileen Hebets, Gerlinde Hoebel, Jen Hamel, Hannah ter Hofstede, Kim Hoke, Sharon Martinson, Mark McPeek, Tamra Mendelson, Rachel Page, Tony Robillard, Rafael Rodriguez, Becca Safran, Elizabeth Scordato, Maria Servedio, Thalia Wheatley

**REFERENCES**

Dr. Mark A. McPeek. Biology Department. Dartmouth College.

Dr. Hannah ter Hofstede. Biology Department. Dartmouth College.

Dr. Maria Servedio. Biology Department. University of North Carolina, Chapel Hill.

Dr. Gerlinde Höbel. Biology Department. University of Wisconsin - Milwaukee.

Dr. Rebecca Safran. Department of Ecology and Evolutionary Biology. University of Colorado at Boulder.