

1. Symposia
2. Elaina M. Tuttle and the Curious Case of the White-throated Sparrow: a Memorial Symposia
3. Rusty Gonser, Dept. of Biology, Indiana State University, Terre Haute, IN 47809, rusty.gonser@indstate.edu, 812.237.2395, 517.930.2401(cell)
4. Speakers:

Morning:

- a. **Ellen Ketterson**, Department of Biology, Indiana University, Bloomington, IN 47405 office: 812-855-6837, ketterso@indiana.edu
"Elaina M. Tuttle: the sparrow whisperer" (30 min)
- b. **Steve Pruett-Jones**, Department of Ecology and Evolution, University of Chicago, 1101 East 57th St., Chicago, IL 60637, 773-702-3115, aspj@uchicago.edu
TBA
- b. **Mike Webster**, Director, Macaulay Library, The Cornell Lab of Ornithology, 159 Sapsucker Woods Rd. Ithaca, NY 14850, 607-254-2493, mws244@cornell.edu
"Sexual selection and the multidimensional sexual phenotype of fairy-wrens"
- c. **Karen Gaines**, Dean, College of Arts and Sciences, Embry-Riddle Aeronautical University Daytona Beach campus, 600 South Clyde Morris Blvd. Daytona Beach, FL 32114-3900, Karen.Gaines@erau.edu
"Birds are the best indicators of environmental health"
- d. **Christy Begeron Burns**, CISAB, Dept. of Biology, Indiana University, Bloomington, IN 47405 cbergeon@indiana.edu
"Corticosterone responses of Louisiana Seaside Sparrows to large-scale environmental disturbance"

Afternoon

- e. **Anne Houteman**, Provost, Rose-Hulman Institute of Technology, 5500 Wabash Ave, Terre Haute, IN 47803, 812.877-8776, houtman@rose-hulman.edu
"The curious Case of the white-throated Sparrow" (30min here or final talk)
- f. **Marisa Koroday**, San Diego Zoo Institute for Conservation Research, 15600 San Pasqual Valley Rd, Escondido, CA 92027,
"Avian Biobanking: Lessons learned from a little brown sparrow"
- g. **Margarida Barcelo Serra**, Dept of Biology Indiana State University, Terre Haute, IN 47809, mbarceloserra@sycamores.indstate.edu
"Personality types in the polymorphic white-throated sparrow (Zonotrichia albicollis)"
- i. **Andrea Grunst**, Behavioural Ecology and Ecophysiology Group, Department of Biology, University of Antwerp, Universiteitsplein 1, B-2610 Antwerp, Belgium agrun001@ucr.edu
"Extra-pair mating and the strength of sexual selection: Insights from a polymorphic species"
- j. **Ryan Jensen**, Chair, Dept. of Geography, Brigham Young University, Provo, UT 84602, 801.422.5386, rjensen@byu.edu
"Spatial analysis of white-throated Sparrow nest sites"
- K. **Lindsey Forrette**, Dept. of Biology, Indiana State University, Terre Haute, IN 47809 lforrette@indstate.edu
"Aspects of song use in the white-throated sparrow"
- L. **Melissa Grunst** Behavioural Ecology and Ecophysiology Group, Department of

Biology, University of Antwerp, Universiteitsplein 1, B-2610 Antwerp, Belgium
mgrun002@ucr.edu

“Morph Specific patterns of reproductive senescence: connections to discrete reproductive strategies”

M. Jennifer Callaway, Dept. of Biology, Indiana State University, Terre Haute, IN 47809, jsmith285@sycamores.indstate.edu

“A Comparison of Structural Variants between white-throated and rufous-collared sparrows.”

5. Full day of regular talks

6. This symposium will honor Dr. Elaina M. Tuttle (1963-2016) who passed away of metastatic breast cancer. For 28 years she had used a population of white-throated sparrows in an attempt to understand how a color polymorphism was maintained in the population. Her Doctoral work at SUNY Albany (Advisor: Tom Caraco, Committee members Jerram Brown, Ken Able, and David Westneat) focused on sexual selection, mate choice and fitness. She typically monitored 30 pairs during the field season. As Elaina advanced in her career she had two post-doctoral experiences. First as a CISAB fellow with Ellen Ketterson at Indiana University, Elaina competed in the Animal Behavior Society's Allee completion. There she met Stephen Pruett-Jones (SPJ) and Mike Webster and they invited her to come to Australia for a month to work with fairy-wrens. This led to a post-doc with SPJ at the University of Chicago. Her techniques helped both projects at Indiana University and the University of Chicago and the influences were brought to her first faculty position at St. Mary's College of Maryland (SMCM). During the SMCM years the number of pairs monitored jumped to 100, videotaping and GIS became incorporated. The project evolved into sequencing the WTSP Genome and with new collaborators she started examining behavioral genomics. All along the way she mentored high school students, undergraduates, graduate students and post-doctoral fellows, as well as, pre-tenure faculty.

The objective was to have talks that demonstrated the diversity of the research questions and how Elaina always tried to find new avenues to test scientific theories with a long-term research project. We have behavior, GIS, and Genomics. As well as using the 28-year data set to answer questions about long-term fitness and climatic affects. I contacted former field assistants, graduate Students (past and current), post-doc advisors, and collaborators. During the morning session, both post-doc advisors, and another collaborator from the fairy-wren years, a former undergrad that Elaina influenced, a field assistant will present. For the afternoon session, Anne Houtman, who had work with Bruce Falls on WTSPs, also had one of her former undergraduate students become one of Elaina's post-docs. Former student Marisa Korody, collaborator Ryan Jensen, post-docs Andrea and Melissa Grunst, and three current students that will participating. There were others contacted some were unavailable or no longer work on birds.

7. This is timely as Elaina passed away June 15, 2016. There was not enough time to arrange anything last summer. During November 23, 2016 she was profiled in Nature (<http://www.nature.com/news/the-sparrow-with-four-sexes-1.21018>). We anticipate her memorial will be the AUK in July 2017. She had a number of students as well as two post-doctoral fellows and collaborators that were working with her on a number of manuscripts that were in reviews. The results of 28 years of data collection were starting to reveal interesting insights into the white-throated sparrow system. Our hope is that many of these manuscripts will be in print during 2017.