

Comprehensive Acoustics Course

Instructors: Chris Corben and Kim Livengood

By J. O'Keefe

COMPREHENSIVE BAT ACOUSTICS COURSE HANNIBAL, MISSOURI SEPTEMBER 20th 2pm - 25th evening, 2019

We are excited to announce a Comprehensive Bat Acoustics Course at the Sodalis Preserve in Hannibal, Missouri. As part of this unique course, we will net and record calls from the largest hibernaculum for Indiana bats. Additionally, the hibernaculum houses endangered gray bats and other Midwest species. Our instructors Chris Corben and Kim Livengood have in depth knowledge of bat bioacoustics, and decades of experience with detectors and bat call identification. Our classes are suitable for all levels of experience and the data analysis is applicable to recordings from any bat detector. Our goal is for the participants to go home with a working knowledge of conducting an acoustics survey and the analysis that follows.

Comprehensive Acoustic Course, participants will take part in a combination of classroom and field training to gain understanding of bat bioacoustics and how to conduct effect acoustic surveys. Participants will also get a close look at MYSO, MYGR, and other cave species from the capture effort at one of the largest endangered bat hibernacula in the United States. Participants will be introduced to the new Anabat Insight analysis software and get hands-on experience with the Anabat Swift, Express, Walkabout, SD2, and Roost Logger detectors. Registration for the course is \$1950.

HANDS-ON FIELD TRAINING: We will spend four nights in the field practicing survey skills, covering topics that include detector deployment and settings for various situations, and active monitoring of free flying bats. For one evening, we will mist net for bats at Sodalis Preserve in Hannibal, which is home to over 200,000+ bats. We will provide hands-on instruction during recordings of hand-released and free-flying bats.

CLASSROOM INSTRUCTION: Participants will be introduced to bat bioacoustics and gain a more in-depth understanding of detectors, bat identification using both Zero Crossings and Full Spectrum recordings, and available analysis programs. Each day, we will build on our bioacoustics knowledge in class, learning more and more about bat acoustics, manual identification, and data analysis. Participants will gain proficiency in using AnaloookW and Anabat Insight, including how to use their filtering capabilities and the handling of large datasets. They will get hands on experience doing Auto ID with BCID, Kaleidoscope Pro, Sonobat and Echoclass, then using the skills they have developed in bat identification to carry out manual vetting of the Auto ID results. And much, much more!

HOUSING: There are several hotels in the Hannibal area. We will have a group rate at the Best Western on the River.

Please contact Kim Livengood at kim@titley-scientific.us or 573-442-8745 to register or for more information about this unique hands-on training opportunity.

Student and group discounts available. Please inquire about other upcoming available courses if you are unable to participate in our Hannibal course.

- *Titley Scientific offers a 10% coupon to participants for equipment purchase*