

North American Joint Bat Working Group Meeting & 28th Annual Colloquium on the Conservation of Mammals in the Southeastern U.S.



March 27-29, 2018
Hotel Roanoke, Roanoke, VA

CALL FOR ABSTRACTS

Join us for the North American Joint Bat Working Group Meeting (Midwest Bat Working Group, Southeast Bat Diversity Network, Northeast Bat Working Group) and 28th Annual Colloquium on the Conservation of Mammals in the Southeastern U.S. (Mammal Colloquium), March 27-29, 2018, in Roanoke, VA. This joint meeting will bring together conservation biologists, private and public land managers, private consultation organizations, educational institutions, citizen scientists, and outdoor enthusiasts across the Midwest, Southeast, and Northeast Regions. The Mammal Colloquium provides a forum for student and professional oral and poster presentations on any topic related to mammals. We invite all interested parties with research topics involving mammals to present findings in either an oral (Wed-Thurs) or poster presentation (Wed PM). We encourage students, professors, researchers, and policy makers to share their knowledge. This is an excellent opportunity to present preliminary or final research findings before a large group of professional mammalogists that can provide feedback and insight into your studies and results. This is also a great opportunity to meet and interact with potential employers in both state and federal governments, academia, non-profit organizations, and environmental consulting companies. The deadline for abstract submittal is January 12, 2018 and authors will be notified by February 16. Please follow the instructions below for submitting abstracts and guidelines for poster presentations.

Note: All oral and poster presentations must register for the meeting. If paying by check, the registration form is below following the Instruction section, otherwise register online at: <https://donate.batconservation.org/roanoke/events/north-american-joint-bat-working-group-meeting/e147967>. *Student*: \$75 (\$100, after February 12); *Non-Student*: \$175 (\$200 after February 12).

INSTRUCTIONS FOR PREPARING AND SUBMITTING ABSTRACTS

Abstract submittal deadline is January 12, 2018. Presentations and posters will be selected and the authors notified by February 16. Abstracts should be < 300 words and include the name, organization, and address of authors, title, study justification, objectives, brief methods, summarized results, and discussion of results. Please underline the name of the author that will be presenting the paper. Please indicate if the abstract is for an oral or poster presentation. Submit abstracts electronically in Microsoft Word format at jbwg2018@gmail.com; include "Abstract" in the subject.

All oral presentations must be on Microsoft PowerPoint or Apple Keynote or Adobe PDF. If you are using PowerPoint, please be sure all photos, graphics, and videos are included in one folder with your presentation. Early submission of presentations via e-mail is strongly encouraged and will be accepted until 5:00 pm on March 16th. Presentations brought to the meeting must be on CD-ROM or a flash drive.

A total of 10-15 minutes will be allotted for oral presentations, including time for answering questions. Your time allotment will be specified when we notify you. We may be able to accommodate longer presentations, so please write and inquire if you need more time.

Please follow the format guidelines below when preparing your abstract:

- Title should be in all capital letters, bold, and centered at the top of the page
 - Include names and current addresses of authors after the title
 - Italicize addresses of authors
 - Underline the name of the presenter
 - Indicate student presenters with an asterisk (*)
 - Use 12-point Times New Roman font
 - Use 1-inch margins on all sides
 - Left Justify only
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Example:

MONITORING MYOTIS SEPTENTRIONALIS ON LONG ISLAND, NY

Amanda M. Bailey¹, Samantha Hoff¹, Melanie C. Berger¹, and Katelyn Ritzko¹

¹NYS Department of Environmental Conservation, Albany, NY 12233

(Oral Presentation)

As white-nose syndrome (WNS) continues to threaten bat populations across eastern and central North America, there is an urgent need to better understand how populations are responding. Although *Myotis septentrionalis* has suffered significant declines across much of its range, Long Island, NY appears to support a relative abundance of the federally threatened bat. However, the current trend of this population is unknown. 2016 marked the second year of a pilot study to investigate the efficacy of passive acoustic sampling as a means of population

monitoring for *M. septentrionalis*. We surveyed 8 different sites for a total of 65 detector-nights. *M. septentrionalis* were detected at 4 of the sample sites, including one site in Nassau County, about 6 km west of previous recent detections for this species and approaching the more heavily developed western side of Long Island. These data were combined with 65 detector-nights at 6 sites from 2015. Preliminary analyses found that the amount of surrounding development had a strong negative correlation with occupancy probabilities of *M. septentrionalis*. The species was more likely to be found in areas that were surrounded by deciduous and/or coniferous forests, indicating that a certain patch size of forested habitat may be necessary to support a population of *M. septentrionalis*. Our results suggest that the detection rate for *M. septentrionalis* on Long Island is relatively high compared to capture rates and detection rates from mobile surveys, indicating that the current USFWS passive acoustic monitoring protocols are sufficient for detecting *M. septentrionalis* if they are present. We conclude that passive acoustic sampling is a practical and effective method for monitoring *M. septentrionalis* on Long Island, and are developing a long-term, occupancy-based monitoring protocol to investigate population trends for this species and to support regulatory protection.

SUGGESTED GUIDELINES FOR PREPARING POSTERS

- A. Should be no larger than 48 x 48 inches.
- B. Should be readable from a distance of 2 meters.
- C. Title should be capitalized with lettering at least 2 cm high (72 pt).
- D. Authors and institutional affiliations should be in upper- and lower-case lettering at least 11 mm high (42 pt).
- E. Text lettering should be at least 5 mm high (18 pt) with a line thickness of at least 1 mm. F. Information should be well organized and concisely presented. Most posters include the following sections: Abstract, Introduction, Materials and Methods, Results and Discussion, Conclusions, Literature Cited.
- G. Keep written text to a minimum. "Bullets" and short phrases are effective. Use no more than six illustrations (large graphs, flow charts, diagrams, and photographs). Keep captions and legends short and informative.
- H. You will be able to set up Wednesday evening between 6:00 p.m. and 7:00 p.m., March 28. Your poster must be removed by 1:00 pm on Thursday, March 29th.

Registration Form

NORTH AMERICAN JOINT BAT WORKING GROUP MEETING
MIDWEST BAT WORKING GROUP (10th annual),
SOUTHEASTERN BAT DIVERSITY NETWORK (23rd annual),
NORTHEAST BAT WORKING GROUP, and
28th COLLOQUIUM ON THE CONSERVATION OF MAMMALS



Hotel Roanoke, Roanoke, VA
27-29 March 2018

Name (as you want it on your nametag): _____

Affiliation: _____

Address: _____

Phone Number: _____ Email: _____

Are you willing to be a Student Oral Presentation Competition Judge? Yes _____ No _____

Are you willing to be a Student Poster Presentation Competition Judge? Yes _____ No _____

Will you be attending the Monday evening social? Yes _____ No _____

Dietary restrictions? Vegan ___ Vegetarian ___ Gluten-free ___ Other _____

Payment Method (Check one) - Credit Card (online) _____ Check _____

Credit card payments online at: <https://donate.batconservation.org/roanoke/events/north-american-joint-bat-working-group-meeting/e147967>

Make checks payable to Southeastern Bat Diversity Network, reference NAJBWG in memo line.

Early registration \$75 Student, \$175 Non-student until 12 February 2018. Late registration fees are \$100 for Students and \$200 for non-student.

Fee Type	Professional	Student	AMOUNT
Early Registration (by 12 February 2018)	\$175.00	\$75.00	

The following are OPTIONAL and are not required to attend the meeting!

		Total Amount
T-Shirt (short sleeve - \$18 each)	Number _____ Size _____	
SBDN Dues (Feb 2018-Feb2019)	Professional (\$21)	
	Student (\$11)	
MWBWG Dues (2018-2019)	Professional (\$25)	
	Student (\$15)	
SBDN Student Travel Award	Donation	
Total Amount Paid (Including Registration)		

Mail completed registration form and a check for payment to:
Luke Dodd, EKU Dept of Biological Sciences, 3238 Science Building, 521 Lancaster Avenue, Richmond, KY 40475
Alternately, you may pay by credit card online. If you pay online, [please e-mail this registration information to Luke.Dodd@eku.edu](mailto:Luke.Dodd@eku.edu)