



Midwest Bat Working Group

8th Annual Meeting

Meeting Notes (Marne Titchenell)

Columbus, OH

21 April 2016

CONGRATULATIONS to the MWBWG student award winners!! They received \$150 each:

- **Best Student Oral Presentation: TIM DIVOLL (INDIANA STATE UNIVERSITY)**
- **Poster Presentation: AMY K. WRAY (UNIVERSITY OF WISCONSIN-MADISON)**

Meeting Summary

April 21-22, 2016. The 8th Annual Midwest Bat Working Group meeting, hosted by the Ohio Bat Working Group, was held at the Ohio Union at The Ohio State University (OSU), Columbus, Ohio.

The group now has 102 members, with 23 students and 79 professionals. Dues were \$25 professional/\$15 student and registration was \$55 professional/ \$35 student. Our meeting continues to grow with 179 people in attendance from various government agencies, universities, non-profit organizations, consulting firms, and others. Thanks go to our sponsors and vendors who truly made this meeting possible! Gold sponsors were Civil & Environmental Consultants, Inc.; The Nature Conservancy; OSU, College of Food, Agricultural, and Environmental Sciences; Ohio Department of Natural Resources, Division of Wildlife (ODOW); and USDA's Forest Service. Silver Sponsors were Apogee; EcoTech Consultants; ERM; Organization for Bat Conservation; Stantec; Wildlife Acoustics; and Wildlife Integration. Bronze sponsors were Copperhead Environmental Consulting; GAI Consultants; Titley Scientific; and Power Engineers. Vendors were Bat Conservation and Management; Indiana State University Center for Bat Research, Outreach, and Conservation; Missouri Bat Census; and West Environmental & Statistical Consultants.

Our keynote speaker, Jim McCormac, from the ODOW, was well-received with his talk about the intricate links between botany, bugs, and bats. Five invited speakers updated the group on white-nose syndrome (WNS), a Midwest habitat conservation plan for wind



Eighteen student members participated in the Midwest Bat Working Group's first Professional Development Opportunity ('student-professional mixer') at lunch during the 2016 meeting.



energy, a new spreadsheet for submitting bat data to USFWS, and an update on the North American Bat Conservation Alliance (NABCA). Fifteen submitted papers covered various topics, including WNS, bats and wind power, bat ecology, acoustics, and mitigation tools. During lunch on the first day, the MWBWG's first student member professional development opportunity ('student-professional mixer') was a hit! Eighteen student members signed up to enjoy a free lunch with six professionals from diverse backgrounds. Professionals shared details on various career paths and answered questions from student participants. At the end of the first day, participants re-grouped at the Ohio Union for the poster session and meeting social. There were a total of 11 poster presentations. Volunteer judges awarded two MWBWG student awards at \$100 each. The best oral presentation went to Tim J. Divoll: Archiving bat skin biopsies: storage method matters for prospective stable isotope analysis. The best poster presentation award went to Amy K. Wray: Effects of WNS on bat activity and insect abundance in southern Wisconsin.



2016 MWBWG Student Award winners: Tim J. Divoll for best oral presentation and Amy K. Wray for best poster presentation presented by Rob Mies, President.



2016 Midwest Bat Working Group members, The Ohio State University, Columbus, OH.



Rob Mies, President – Welcome and Introduction

- Become a Midwest Bat Working Group member! We're facilitating communication between bat groups and advocating bat priorities. Mission statement is on the website.
- Thanks to our host: The Ohio Bat Working Group and The Ohio State University

Summary of Invited Speakers - Day 1, April 21

- Jim McCormac - **BOTANY, BUGS, AND BATS: AN INTRICATE LINK**
- Lisa E. Powers - **EFFECTS OF WHITE-NOSE SYNDROME AND ANNUAL CLIMATE VARIATION ON REPRODUCTION AND SURVIVAL IN TWO COMMON NORTH AMERICAN CAVE-HIBERNATING BAT SPECIES.**
- Hannah T. Reynolds - **EVOLUTIONARY GENETICS AND ECOLOGY OF THE EMERGING PATHOGEN WHITE-NOSE SYNDROME.**
- Marlo M. Perdicas - **SANDSTONE CAVES ARE SIGNIFICANT HIBERNACULA FOR THE FEDERALLY THREATENED NORTHERN LONG-EARED BAT (*MYOTIS SEPTENTRIONALIS*)**
- Tim Krynak - ***MYOTIS SEPTENTRIONALIS* and *M. LUCIFUGUS* POPULATIONS POST WNS IN NORTHERN OHIO**
- Rich Geboy - **USFWS NATIONAL AND REGIONAL WHITE-NOSE SYNDROME UPDATE.** Rich Geboy.
- I. Paulsen - **PREDICTING BAT ACTIVITY IN THE ROTOR SWEEP AREA BY MODELING BAT ACTIVITY AT DIFFERENT ELEVATIONS IN OPEN HABITATS.**
- Stephen Lindsay - **TURBINE-INTEGRATED MORTALITY REDUCTION USING REAL-TIME BAT ACTIVITY**
- Bryan Carstens - **GENETIC DIVERSITY IN THREE SPECIES OF TREEBATS**
- Megan Seymour - **MIDWEST WIND ENERGY MULTI-SPECIES HABITAT CONSERVATION PLAN.**

Other Events

The morning and afternoon consisted of the above slate of invited speakers. The 15 vendors were set up in the back of the room for attendees to visit during breaks. Following the afternoon break, representatives from Illinois, Indiana, Minnesota, Missouri, Michigan, Ohio, and Wisconsin gave brief state reports. The day concluded with a well-attended poster session and social. There were 11 poster presentations.

Summary of Invited Speakers - Day 2, April 22

- Christian E. Nordal - **INFLUENCE OF ROADSIDE CHARACTERISTICS ON BAT SPECIES' PRESENCE AND RELATIVE ACTIVITY IN NORTHWEST OHIO.**
- Kevin L. Murray - **A PRELIMINARY EVALUATION OF AUTOMATED BAT CALL CLASSIFIERS USING ACOUSTIC TRANSECT DATA FROM SUPERIOR, CHIPPEWA AND CHEQUAMEGON-NICOLET NATIONAL FORESTS**
- Zach Baer - **BRANDENBARK™: MITIGATION/MANAGEMENT TOOL FOR PROJECTS INVOLVING BARK ROOSTING BATS.**
- Tim Divoll - **ARCHIVING BAT SKIN BIOPSIES: STORAGE METHOD MATTERS FOR PROSPECTIVE STABLE ISOTOPE ANALYSIS.**
- Keith Lott - **USFWS REGION 3 STANDARDIZED SPREADSHEET FOR SUBMITTING BAT DATA.**
- Gerald L. Zuercher - **BAT SURVEYS AT EFFIGY MOUNDS NATIONAL MONUMENT IN NORTHEASTERN IOWA.**



- Timothy Carter - **ROOSTING HABITS OF THE NORTHERN LONG-EARED BAT (*MYOTIS SEPTENTRIONALIS*) IN A MANAGED FOREST.**
- Jocelyn R. Karsk - **HABITAT SUITABILITY MODELLING OF THE NORTHERN LONG-EARED BAT (*MYOTIS SEPTENTRIONALIS*) IN SOUTHERN INDIANA.**
- Robert Arndt - **PREDATION AND OTHER FACTORS INFLUENCING EMERGENCE TIMES OF INDIANA BATS (*MYOTIS SODALIS*).**
- Josiah J. Maine - **GLOBAL INFLUENCE OF LAND COVER ON DIETARY SPECIALIZATION OF INSECTIVOROUS BATS.**

Other Events

The morning began with a slate of invited speakers. Following the morning break, Rob Mies gave an update on the North American Bat Conservation Alliance (NABCA). This was followed by the MWBWG Business Meeting. After a boxed lunch, several additional invited speakers presented.

Awards and Announcements

Upcoming Annual Meetings

2017 Host: Wisconsin Department of Natural Resources, Madison, WI

2018 Host: Joint Meeting, Location TBD

MWBWG Student Awards

Each student winner is presented a certificate and a \$150 award.

Best Student Oral Presentation: TIM DIVOLL, Indiana State University, “Archiving Bat Skin Biopsies: Storage Method Matters for Protective Stable Isotope Analysis”

Best Student Poster Presentation: AMY WRAY, University of Wisconsin-Madison, “Title”



Midwest Bat Working Group

8th Annual Business Meeting Minutes

Columbus, OH

22 April 2016

Called to order at 3:00 PM by Rob Mies, President.

Various Topics & Committee Updates

- You can join the board and/or come to the board meeting to listen in
- Student board member – great opportunity
- There are many committees to join: History, Annual Meeting, Nominations & Elections, Awards, Website, and Membership

Board of Directors Updates

Jennifer Norris was elected as Vice President. Marne Titchenell was elected as Secretary. Brian Heeringa, Joe Kath, and Vanessa Rojas were elected as Directors.

Treasurer Report

- We are financially housed at Indiana State University, and as such, the Treasurer must be housed there as well.
- General funds (from dues) are \$7829. The meeting account for future meetings is \$2551.

Membership

We currently have 102 members (79 professional and 23 Student members). Meeting participation is 166 (double since we first started these meetings).

Website

Please check it out at www.mwbwg.org.

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