




# Claire M. Curry

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## Summary

I guide higher education students, faculty, and staff to enhance their research, teaching, and learning work through group and individual instruction on information literacy, data literacy, and reproducible research methods.

## Education

*University of Oklahoma (OU)* Ph.D. in Ecology and Evolutionary Biology (Zoology) ..... 2008-2014

Dissertation: “The evolution of reproductive isolation in a temporally complex passerine hybrid zone”

Advisor: Dr. Michael A. Patten

*University of North Texas (UNT)* B.S. in Biology, Chemistry minor (summa cum laude) ..... 2005-2007

Honors thesis: “Factors affecting interaction rates and space use of *Plathemis lydia* (Odonata: Libellulidae)”

Advisor: Dr. James H. Kennedy

## Employment

*University Libraries, University of Oklahoma (Norman, OK, USA)*

Science Librarian ..... 2018-present

*Oklahoma Biological Survey, University of Oklahoma (Norman, OK, USA)*

Post-doctoral Research Associate ..... 2016-2018

*Natural Resources Institute, University of Manitoba (UM), (Winnipeg, MB, Canada)*

Research Associate ..... 2016

Post-doctoral Fellow ..... 2014-2016

*U.S. Forest Service Contractor (Decatur, TX, USA)*

Contractor for Lyndon B. Johnson National Grasslands ..... March-June 2008

Contractor for Lyndon B. Johnson National Grasslands ..... December 2001-February 2002

*Aquatic Ecology Lab, University of North Texas (Denton, TX, USA)*

Undergraduate Research Assistant ..... March-August 2007

Undergraduate Research Assistant ..... October 2005-May 2006

*Leon River Restoration Project (with Texas A&M University)*

Seasonal Field Biologist ..... May-July 2006

*Texas Agricultural Experiment Station (Vernon, TX, USA)*

Field Technician ..... June-August 2005

## Teaching Experience

RESEARCH DATA WORKSHOPS ..... 2017-PRESENT

Teach, develop, and adapt curricula independently and collaboratively to enhance researchers' abilities to process, analyze, and visualize information.

### *Custom lessons*

- Repetitive Tasks in R
- Visualization in R Using 'ggplot2'
- Survival Skills: Concepts of Data-Driven Visualization
- Survival Skills: Using Computers for Scholarly Research
- Smoother Meetings: Tips from Your Librarians
- A Very Short Introduction to Geospatial R
- A Very Short Introduction to R
- Survival Skills: Managing Research Files
- Citation Management with Zotero
- Managing Research Projects with OSF
- Survival Skills: Troubleshooting Computer Code
- Formatting Your Data for Analysis

### *Data Carpentry Lessons*

- Data Analysis and Visualisation in R for Ecologists
- R for Social Sciences
- Introduction to R for Geospatial Data
- Data Organization in Spreadsheets for Ecologists
- Data Management with SQL for Ecologists
- Data Cleaning with OpenRefine for Ecologists

### *Software Carpentry Lessons*

- R for Scientific Programming
- Unix Shell (Bash) for Beginners
- Tracking Changes with Version Control in Git/GitHub

LIBRARY INSTRUCTION ..... 2018-PRESENT

Incorporating Carpentries instructor training around motivational language and cognitive load into my instructional approach. Updating all classroom and asynchronous materials to improve accessibility.

*Data, reference, and statistical consultations* ..... 1,842 consultations

<i>Information literacy and library resource introductions for STEM courses</i>	220 sessions
<i>Video series for STEM remote research method options</i>	27 videos
<i>“Why Cite?” Tutorial</i>	video with quiz
<i>OU Libraries LibGuides</i>	assigned STEM subjects
<i>Research Data and Data Management LibGuides</i>	3 guides

#### INSTRUCTOR OF RECORD

*NRI7350: Study Design & Quantitative Methods for Resource & Environmental Management (cross-listed, UM)*

Co-instructor with Dr. Nicola Koper ..... winters 2015, 2016

*NRI7273: Ecological Dimensions of Natural Resource Management (graduate, UM)* ..... fall 2015

#### MENTORING

*UM Students* ..... 2014-2016

Experimental design - Master's (16), undergraduate (1), and Ph.D. (2) students in two departments

*OU Students*

Independent study: Alexandra Ainsworth (undergraduate) ..... spring 2012

Volunteer: Sarai H. Stuart (post-graduate) ..... 2012-2013

*External Students*

Undergraduate Diversity Mentor (2 mentees) at Evolution 2013 Conference in Snowbird, UT ..... 2013

#### GRADUATE TEACHING ASSISTANTSHIPS

*BIOL1134: Intro. to Evolution, Ecology, and Diversity Lab (undergraduate majors, OU)* ..... spring 2012

*BIOL4073/5073: General Entomology Lab (cross-listed, OU)* ..... 2009-2012 (fall only - total four semesters)

*ZOO1121: Introductory Zoology Lab (undergraduate non-majors, OU)* ..... fall 2008, fall 2012

*BIOL3403: Principles of Ecology Lab (undergraduate majors, OU)* ..... 2009 (spring & fall), 2010-2011 (fall only)

#### UNDERGRADUATE TEACHING ASSISTANTSHIP

*BIOL4070/5070: Insect Biology Lab (cross-listed, UNT), volunteer* ..... fall 2006, fall 2007

## Training and Skills

### SKILLS

#### *Learner-Centered Flexible Pedagogy*

I work to empower learners to gain new skills and confidence. I incorporate motivational language and decrease cognitive load wherever possible, following Carpentries instructor practices. My materials incorporate active learning and follow universal design principles for accessibility that fit the teaching modality (virtual, in-person, or hybrid).

#### *Working with People and Organizations*

Work with students, post-docs, staff, faculty, and community members

Collaborate with campus partner organizations and co-workers

Maintain communications with departmental representatives

- School of Biological Sciences
- Oklahoma Biological Station
- Department of Geography & Environmental Sustainability
- Psychology (shared)
- Health & Exercise Science (shared)
- Chemistry & Biochemistry (shared)

Obtain permission and maintain good relationships for field work

- Privately owned land (US and Canada)
- State-owned land (US)
- Federal land (US)

Obtain permitting for avian research at university, state, provincial, and federal (US and Canada) levels

#### *Statistical and Data Consulting*

Experimental design for field and lab work

Data collection and management

Univariate and multivariate statistical analysis

- Choice of approaches (frequentist and model selection)
- Choice and guidance on specific statistical tests
- Guidance searching discipline-specific literature for discipline-preferred approaches
- Choice and use of statistical programming software

#### *Collection Management*

Assessing collection needs for new academic degrees and certificates

Approving book purchase requests

- Analyzing usage to determine journal subscriptions and cancellations
- Coordinating journal subscription requests among interested departments

## SOFTWARE

### *Statistical Programs*

- R 4.0+, as well as older versions through 3.6
- SAS 9.2+
- IBM SPSS Statistics 29+

### *Geographic Information Systems (GIS)*

- R packages for GIS
- Quantum GIS v. 2.10+
- ESRI ArcGIS 9.2+
  - Maintain good relationship with vendor representatives at OU
  - Organized training to help users migrate to new ArcGIS Pro ..... 2023
  - Completed Introduction to GIS course (UNT) ..... fall 2007

### *Graphics and Data Visualization*

- R packages including
  - ggplot2
  - ggparty
  - RShiny

Inkscape 0.48+

### *Data Management and Processing*

- Data wrangling
  - R tidyverse
  - OpenRefine
- Version control
  - Git for Windows, Linux, Mac
  - GitHub.com
  - Git Large File System for Windows

### Databases

- SQLite
- DB Browser for SQLite
- PostgreSQL database language (queries, import and export of data)

- pgAdmin III database interface and psql command line interface for use with PostgreSQL
- jetSQL (Microsoft Access)

### *Citation Management*

Zotero 3.0.7+ bibliography software

### *Word Processing and Spreadsheets*

Microsoft Office 365

- Word
- Access
- Excel
- PowerPoint
- OneNote

LibreOffice 3.3.0+

- Writer (Word equivalent)
- Impress (PowerPoint equivalent)
- Base (Access equivalent)

### *Specialized Software*

Raven Pro 1.5 sound analysis software

Phylogenetic software (basic procedures)

- MRBAYES 3.1.2
- RAxML
- GARLI 1.0
- FigTree
- MEGA 4.0

## RESEARCH METHODS

### *Library and Literature-Based Methods*

Reproducible database searches

- Explaining controlled vocabulary and thesaurus searches
- Choosing and modifying keywords
- Explaining Boolean operators and wild cards

Evidence synthesis

- Guiding OU community members from multiple departments
- Developing Evidence Synthesis LibGuide Page for initial information for community members

- Collaborating with Writing Center on a future questionnaire to guide users to specific types of synthesis

### *Discipline-Specific Methods*

#### *Experimental Design*

Design and conduct surveys

- Randomized stratified point counts for lichens
- Behavioral assays for songbirds
- Transect and point counts for grassland and shrubland birds

#### *Field Methods*

Avian blood sampling for genetics

Banding and color-banding small songbirds

Nest and fledgling searching for grassland and shrubland birds

Terrestrial insect sampling

Sorting and identification of aquatic invertebrates

Habitat and vegetation measurements

#### *Selected Trainings Attended*

Suicide Prevention (OU Military Support Forum Green Zone) .....	2023
OU Green Zone (Veteran Support Center) .....	2023
Navigating Tough Conversations in Statistical Collaboration Workshop .....	2023
· Oklahoma Chapter of the American Statistical Association	
Evidence Synthesis Institute (by application only) .....	August 2022
ACRL Framework .....	2022
· Association of College & Research Libraries Framework Virtual Workshop for OU Libraries	
American Heart Association CPR/AED Course for Adult, Child, Infant .....	2022
American College of Surgeons STOP THE BLEED .....	2022
Institutional Review Board .....	2020
Diversity Ally Training (OU HR) .....	2019
· Unlearning Ableism	
· Unlearning Classism	
· Unlearning Racism	
Mental Health First Aid .....	2019
Software/Data Carpentries Instructor Training .....	2018
Question, Persuade, Refer, Suicide Prevention .....	2018

LGBTQ Ally 2.0 (OU) ..... 2018

#### SUPERVISORY EXPERIENCE

*Ahmed Sharaf (undergraduate)* ..... 2022-2023

*Henry Dang (undergraduate)* ..... 2018

*Seasonal field technicians (3)* ..... 2015

#### Research and Creative Activities

##### PEER-REVIEWED PUBLICATIONS

- Semenov, G. A., **Curry, C. M.**, Patten, M. A., Weir, J. T., & Taylor, S. A. (2023). Geographically consistent hybridization dynamics between the Black-crested and Tufted Titmouse with evidence of hybrid zone expansion. *Ornithology*, 140(3), ukad014. <https://doi.org/10.1093/ornithology/ukad014>
- Robbins, S., **Curry, C.**, Schilling, A., & Tweedy, B. N. (2022). Recruiting, Hiring, & On-Boarding Non-MLS Liaison Librarians: A Case Study. *Library Leadership & Management*, 36(1). <https://doi.org/10.5860/llm.v36i1.7490>
- Rockwood, J. V., **Curry, C. M.**, & Day, E. A. (2022). Distributed expertise, leadership structure & efficiency-viability tradeoffs in teams [Poster]. *Society for Industrial and Organizational Psychology Annual Conference*.
- Patten, M. A., Barnard, A. A., **Curry, C. M.**, Dang, H., & Loraamm, R. W. (2021). Forging a Bayesian link between habitat selection and avoidance behavior in a grassland grouse. *Scientific Reports*, 11(1), 2791. <https://doi.org/10.1038/s41598-021-82500-0>
- Gaffin, D. D., & **Curry, C. M.** (2020). Arachnid navigation – a review of classic and emerging models. *Journal of Arachnology*, 48(1), 1–25. <https://doi.org/10.1636/0161-8202-48.1.1>
- Curry, C. M.**, & Patten, M. A. (2019). Complex spatiotemporal variation in processes shaping song variation. *Behaviour*, 156(10), 1057–1082. <https://doi.org/10.1163/1568539X-00003556>
- Curry, C. M.**, Brisay, P. G. D., Rosa, P., & Koper, N. (2018). Noise source and individual physiology mediate effectiveness of bird songs adjusted to anthropogenic noise. *Scientific Reports*, 8(1), 3942. <https://doi.org/10.1038/s41598-018-22253-5>
- Warrington, M. H., **Curry, C. M.**, Antze, B., & Koper, N. (2018). Noise from four types of extractive energy infrastructure affects song features of Savannah Sparrows. *Condor*, 120(1), 1–15. <https://doi.org/10.1650/CONDOR-17-69.1>
- Curry, C. M.**, Ross, J. D., Contina, A. J., & Bridge, E. S. (2018). Varying dataset resolution alters predictive accuracy of spatially explicit ensemble models for avian species distribution. *Ecology and Evolution*, 8(24), 12867–12878. <https://doi.org/10.1002/ece3.4725>
- Curry, C. M.**, Antze, B., Warrington, M. H., Brisay, P. D., Rosa, P., & Koper, N. (2017). Ability to alter song in two grassland songbirds exposed to simulated anthropogenic noise is not related to pre-existing variability. *Bioacoustics*, 27(2), 105–130. <https://doi.org/10.1080/09524622.2017.1289123>
- Pipher, E. N., **Curry, C. M.**, & Koper, N. (2016). Cattle Grazing Intensity and Duration Have Varied Effects on Songbird Nest Survival in Mixed-Grass Prairies. *Rangeland Ecology & Management*, 69(6), 437–443. <https://doi.org/10.1016/j.rama.2016.07.001>
- Curry, C. M.**, & Patten, M. A. (2016). Shadow of a doubt: Premating and postmating isolating barriers in a temporally complex songbird (Passeriformes: Paridae) hybrid zone. *Behavioral Ecology and Sociobiology*, 70(8), 1171–1186. <https://doi.org/10.1007/s00265-016-2126-y>
- Koper, N., Leston, L., Baker, T. M., **Curry, C.**, & Rosa, P. (2016). Effects of ambient noise on detectability and localization of avian songs and tones by observers in grasslands. *Ecology and Evolution*, 6(1), 245–255. <https://doi.org/10.1002/ece3.1847>



- Curry, C. M.** (2015). An Integrated Framework for Hybrid Zone Models. *Evolutionary Biology*, 42(3), 359–365. <https://doi.org/10.1007/s11692-015-9332-9>
- Curry, C. M.,** & Patten, M. A. (2014). Current and historical extent of phenotypic variation in the Tufted and Black-crested Titmouse (Paridae) hybrid zone in the southern Great Plains. *American Midland Naturalist*, 171(2), 271–300. <https://doi.org/10.1674/0003-0031-171.2.271>
- Bridge, E. S., Kelly, J. F., Bjornen, P. E., **Curry, C. M.,** Crawford, P. H. C., & Paritte, J. M. (2010). Effects of nutritional condition on spring migration: Do migrants use resource availability to keep pace with a changing world? *Journal of Experimental Biology*, 213(14), 2424–2429. <https://doi.org/10.1242/jeb.041277>
- Curry, C. M.,** & Kennedy, J. H. (2010). Factors affecting interaction rates in *Plathemis lydia* (Drury) (Anisoptera: Libellulidae). *Odonatologica*, 39(1), 29–38.

#### NON-PEER-REVIEWED PUBLICATIONS

- Curry, C. M.,** Albin, J., Reed III, B., Schilling, A., Tweedy, B., & Wyatt, K. (2024). Plain language workshop descriptions: How to attract participants from all disciplines. *College & Research Libraries News*, accepted; scheduled for September 2024.
- Ruediger, D., Atwood, T., Bharti, N., Briones, B., Campbell, P., Carey, P., Castillo, D., Ciccone, K., Cook, C., Cooper, D., **Curry, C. M.,** De La Cruz, J., Dean, W., Dragowsky, E. M., Durkin, T., Epps, D., Erickson, S., Ferguson, J., Foster, E., ... Zickel, L. (2021). *Big Data Infrastructure at the Crossroads: Support Needs and Challenges for Universities*. Ithaka S+R. <https://doi.org/10.18665/sr.316121>

#### CONFERENCE PRESENTATIONS

- Curry, C. M.** (2023, July). OU Libraries' Statistics Helper Website: An Interactive and Curated Resource List [Lightning Talk]. *STEM Librarians South 2023 Collection*. <https://doi.org/10.6084/m9.figshare.23739657.v1>
- Schilling, A., Laufersweiler, M., Tweedy, B., & **Curry, C. M.** (2020). Data workshops in support of researchers at the University of Oklahoma [Poster]. *OSU – Coalition for Advancing Digital Research & Education (CADRE)*.
- Schilling, A., Tweedy, B., & **Curry, C. M.** (2019). An Open Access Data Workshop Curriculum for Researchers [Oral presentation (joint co-presenters)]. *STEM Librarians South*.
- Curry, C. M.,** & Bridge, E. S. (2018). ETAG: An Animal Behavior Observatory for Radio Frequency Identification Technology [Poster]. *American Ornithology*.
- Curry, C. M.,** & Patten, M. A. (2018). Thresholds of Avoidance Behavior in a Declining Endemic Grouse, the Lesser Prairie-Chicken [Oral presentation]. *International Ornithological Congress*.
- Curry, C. M.,** Patten, M. A., & Weir, J. T. (2018). Spatiotemporal structuring and genomic architecture of multiple transects across an avian hybrid zone [Oral presentation]. *American Ornithology*.
- Curry, C. M.,** Ruyle, J. E., & Bridge (presenter), E. S. (2018). ETAG: An Animal Behavior Observatory for Radio Frequency Identification Technology [Poster]. *International Ornithological Congress*.
- Curry, C. M.,** Ross, J. D., Contina, A. J., & Bridge, E. S. (2017). Testing prediction accuracy and climate change estimation with spatially explicit models for grassland birds [Oral presentation]. *American Ornithology*.
- Curry, C. M.,** Antze, B., Des Brisay, P., Rosa, P., & Koper, N. (2016). Behavioral responses to anthropogenic noise in two species of grassland songbirds in the Canadian mixed-grass prairie [Oral presentation]. *North American Ornithological Conference*.
- Curry, C. M.,** Antze, B., Warrington, M., Des Brisay, P., Rosa, P., & Koper, N. (2016). Behavioural responses of two grassland songbirds to anthropogenic noise pollution [Oral presentation]. *Manitoba Chapter of The Wildlife Society Annual General Meeting*.
- Curry, C. M.,** Patten, M. A., & Weir, J. T. (2016). Geographic and genomic clines, population structure, and range expansion in a temporally complex titmouse (Paridae) hybrid zone [Poster]. *North American Ornithological Conference*.

- Koper, N., **Curry, C. M.**, Antze, B., & Warrington, M. (2016). Effects of energy infrastructure operating noise on behaviour of Savannah and Baird's sparrows [Oral presentation]. *Alberta Chapter of The Wildlife Society*.
- Curry, C. M.**, Des Brisay, P., Antze, B., Nenninger, H. R., Warrington, M., & Koper, N. (2015). Behavioural response of two grassland songbirds to noise pollution from energy development in the Canadian prairie [Lightning talk]. *International Congress for Conservation Biology*.
- Curry, C. M.**, Des Brisay, P., Antze, B., Nenninger, H. R., Warrington, M., & Koper, N. (2015). Behavioural response of two grassland songbirds to noise pollution from energy development in the Canadian prairie [Oral presentation]. *The Wildlife Society Annual Meeting*.
- Koper, N., Bernath-Plaisted, J., **Curry, C. M.**, Antze, B., Warrington, M., Nenninger, H. R., & Rosa, P. (2015). Effects of oil and gas infrastructure and operating noise on grassland songbirds in Canada [Oral presentation]. *International Congress for Conservation Biology*.
- Koper, N., Bernath-Plaisted, J., **Curry, C. M.**, Antze, B., Warrington, M., Nenninger, H. R., Swider, C. R., & Rosa, P. (2015). Effects of oil and gas infrastructure and operating noise on grassland songbirds in Alberta [Oral presentation]. *The Wildlife Society Annual Meeting*.
- Koper, N., Bernath-Plaisted, J., **Curry, C. M.**, Nenninger, H. R., Rosa, P., & Swider, C. R. (2015). Effects of energy infrastructure and operating noise on grassland songbirds [Oral presentation]. *Alberta Chapter of the Wildlife Society*.
- Curry, C. M.**, Des Brisay, P., Antze, B., Nenninger, H. R., & Koper, N. (2014). Effects of oil and gas infrastructure noise on Baird's Sparrow songs. *Parks and Protected Areas Research Forum of Manitoba*.
- Curry, C. M.**, & Patten, M. A. (2014). Evolution of reproductive isolation in a temporally complex hybrid zone between Tufted and Black-crested Titmice (Paridae) [Oral presentation]. *American Ornithologists' Union/Cooper Ornithological Society/Society of Canadian Ornithologists Joint Meeting*.
- Curry, C. M.**, & Patten, M. A. (2013). Sexual and natural selection on song across a temporally complex passerine hybrid zone [Poster]. *Evolution 2013*.
- Curry, C. M.**, & Patten, M. A. (2013). Sexual and natural selection on song across the temporally complex hybrid zone of Tufted and Black-crested Titmice (Paridae) [Oral presentation]. *American Ornithologists' Union/Cooper Ornithological Society Joint Meeting*.
- Curry, C. M.**, & Patten, M. A. (2012). Causes and consequences of song variation across a temporally complex passerine hybrid zone [Oral presentation]. *First Joint Congress on Evolutionary Biology*.
- Curry, C. M.**, & Patten, M. A. (2012). Evolution of song variation across a complex hybrid zone in Tufted and Black-crested titmice [Poster]. *North American Ornithological Conference*.
- Curry, C. M.**, & Patten, M. A. (2012). Evolution of song variation across a complex hybrid zone in Tufted and Black-crested titmice [Won "Best Oral Presentation by a Graduate Student"]. *Oklahoma Ornithological Society*.
- Curry, C. M.**, & Patten, M. A. (2011). Causes of song variation across the titmouse hybrid zones in Oklahoma and Texas [Oral presentation]. *Oklahoma Ornithological Society*.
- Curry, C. M.**, & Patten, M. A. (2011). Song varies across younger and older hybrid zones in Black-crested (*Baeolophus atricristatus*) and Tufted (*B. bicolor*) titmice [Oral presentation]. *Association of Field Ornithologists/Cooper Ornithological Society/Wilson Ornithological Society Joint Meeting*.
- Curry, C. M.**, & Patten, M. A. (2011). Song varies across younger and older hybrid zones in Black-crested (*Baeolophus atricristatus*) and Tufted (*B. bicolor*) titmice [Oral presentation]. *Evolution 2011*.
- Curry, C. M.**, & Patten, M. A. (2010). Vocal dynamics of a complex avian hybrid zone [Oral presentation]. *Oklahoma Ornithological Society*.
- Curry, C. M.**, & Patten, M. A. (2010). Vocal dynamics of a complex avian hybrid zone [Poster]. *Association of Field Ornithologists' Annual Meeting*.
- Curry, C. M.**, & Patten, M. A. (2010). Vocal dynamics of a complex avian hybrid zone [Poster]. *Southwestern Association of Naturalists Annual Meeting*.
- Curry, C. M.**, & Kennedy, J. H. (2008). Factors affecting interaction rates and space use of *Plathemis lydia* (Drury 1773) (Odonata: Libellulidae) [Oral presentation]. *Southwestern Association of Naturalists Annual Meeting*.

**Curry, C. M.,** & Kennedy, J. H. (2008). Factors affecting interaction rates and space use of *Plathemis lydia* (Drury 1773) (Odonata: Libellulidae) [Poster]. *Southwestern Branch of the Entomological Society of America/Society of Southwestern Entomologists Joint Meeting*.

#### SEMINARS AND INVITED LECTURES

**Curry, C. M.** (2022). Plain language event pages: Writing descriptions so people know they need your research workshop or event! [Lightning talk]. *University Library Day*.

**Curry, C. M.** (2020). Zero to online in 60 seconds: Moving Undergraduate Research Day to Open Science Framework [Lightning talk]. *University Library Day*.

**Curry, C. M.,** Des Brisay, P., Rosa, P., & Koper, N. (2017). Efficacy of adjusted songs for communication in noise varies with infrastructure type and hormone levels [Oral presentation]. *In: Mechanisms underlying avian response to energy development [Symposium]. American Ornithology*.

Koper, N., Rosa, P., **Curry, C. M.,** Bernath-Plaisted, J., Nenninger, H. R., & Daniel, J. (2017). Effects of noisy petroleum infrastructure on grassland songbirds in Alberta, Canada [Oral presentation]. *Entomology Department Seminar Series, University of Manitoba*.

Koper, N., Rosa, P., **Curry, C. M.,** Bernath-Plaisted, J., Nenninger, H. R., & Daniel, J. (2017). Effects of noisy petroleum infrastructure on grassland songbirds in Alberta, Canada [Oral presentation]. *St. George's University, Grenada*.

Koper, N., Rosa, P., **Curry, C. M.,** Bernath-Plaisted, J., Nenninger, H. R., & Daniel, J. (2017). Industrial noise and oil wells: Effects on birds [Oral presentation]. *University of Winnipeg Seminar Series*.

Koper, N., Rosa, P., **Curry, C. M.,** Bernath-Plaisted, J., Nenninger, H. R., Warrington, M., & Daniel, J. (2017). Effects of oil and gas infrastructure and anthropogenic noise on grassland songbirds [Oral presentation]. *National Wildlife Research Centre Seminar Series, Carleton University*.

Koper, N., Rosa, P., **Curry, C. M.,** Bernath-Plaisted, J., Warrington, M., & Nenninger, H. R. (2017). Effects of noisy oil and gas infrastructure and anthropogenic noise on abundance, productivity, and behaviour of grassland songbirds [Oral presentation]. *Université Du Québec à Trois-Rivières Seminar Series*.

Koper, N., **Curry, C. M.,** Antze, B., Daniel, J., Nenninger, H. R., Bernath-Plaisted, J., Rosa, P., & Warrington, M. (2016). Effects of energy infrastructure on grassland songbirds [Oral presentation]. *Cenovus Lunch and Learn Seminar Series, Cenovus Energy*.

**Curry, C. M.** (2015). Careers in Biology [Panelist]. *Prairie University Biology Symposium*.

**Curry, C. M.** (2015). Management and analysis of quantitative data [Guest lecture]. *NRI7262: Master's Thesis Research Seminar, Natural Resources Institute, University of Manitoba*.

**Curry, C. M.** (2015). Project and risk management. *In Critical Skills for the Early Career Professional Workshop [Invited]. The Wildlife Society Annual Meeting*.

Koper, N., Bernath-Plaisted, J., **Curry, C. M.,** Antze, B., Warrington, M., Nenninger, H. R., Swider, C. R., & Rosa, P. (2015). Effects of energy infrastructure and operating noise on grassland songbirds in Alberta [Oral presentation]. *National Wildlife Research Centre Seminar Series, National Wildlife Research Centre, Carleton University*.

Koper, N., Rodgers, J., Yoo, J., Molloy, K., Bernath-Plaisted, J., **Curry, C. M.,** Antze, B., Warrington, M., Nenninger, H. R., Swider, C. R., & Rosa, P. (2015). Effects of shallow gas and oil infrastructure and operating noise on grassland songbirds [Oral presentation]. *Canadian Wildlife Service*.

Koper, N., Rosa, P., Lockhart, J., Lwiwski, T. C., Rodgers, J., Molloy, K., **Curry, C. M.,** Fischer, S., Swider, C. R., & Yoo, J. (2015). From mensurative to manipulative: Diverse study designs to understand effects of anthropogenic disturbance and habitat fragmentation on grassland birds [Oral presentation]. *Ontario Grassland Guild*.

**Curry, C. M.** (2014). Adaptation and evolution: The role of evolution in conservation and management [Guest lecture]. *Ecological Dimensions of Resource and Environmental Management (NRI7232), Natural Resources Institute, University of Manitoba*.

- Curry, C. M.** (2014). Evolution of reproductive isolation in a temporally complex songbird hybrid zone [Oral presentation]. *Natural Resources Institute Seminar Series, University of Manitoba.*
- Curry, C. M.** (2013). The evolution of reproductive isolation in a temporally complex passerine hybrid zone [Oral presentation]. *Biology Department Seminar, University of Oklahoma.*
- Curry, C. M.** (2013). The evolution of reproductive isolation in a temporally complex passerine hybrid zone [Oral presentation]. *Ecology and Evolutionary Biology Seminar at Kansas State University.*
- Curry, C. M., & Patten, M. A.** (2011). Song varies across younger and older hybrid zones in Black-crested (*Baeolophus atricristatus*) and Tufted (*B. Bicolor*) titmice [Oral presentation]. *Ecology and Evolutionary Biology Seminar ("Ecomunch") at University of Oklahoma.*
- Curry, C. M., & Patten, M. A.** (2011). Song varies across younger and older hybrid zones in Black-crested (*Baeolophus atricristatus*) and Tufted (*B. Bicolor*) titmice [Poster]. *Graduate College Student Research and Performance Day, University of Oklahoma.*
- Curry, C. M., & Patten, M. A.** (2010). Song differences between Tufted and Black-crested Titmouse [Poster]. *Graduate College Student Research and Performance Day, University of Oklahoma.*
- Curry, C. M.** (2009). Genetic and behavioral dynamics in a complex avian hybrid zone [Oral presentation]. *Ecology and Evolutionary Biology Seminar ("Ecomunch") at University of Oklahoma.*

#### POPULAR ARTICLES

- Monthly "Birds and Beyond" column for a small Texas newspaper, the Wise County Messenger . . . . . 2002-2013
- Curry, C. M.** (2004). Flight path: Young birder of the year contest. A birding essay: Stubs. *Birding*, 36(4), 354–356.
- Curry, C. M.** (2004). Killer meadowlarks. *Texas Birds*, 5(1), 29–30.
- Curry, C. M.** (2004). Real birders drool. In Dimensions: Three flights of fancy. *Birding*, 36(3), 288–289.
- Curry, C. M.** (2004). West Nile virus: Birds, people, and Texas. *Texas Birds*, 5(1), 14–16.
- Curry, C. M.** (2002). The tail of an unfortunate chickadee. *Winging It*, 14(2), 4.

#### PUBLIC TALKS

- Curry, C. M.** (2019, February). Can they hear each other now? Noise and its effects on birds in the Canadian prairies and elsewhere. *Fort Worth Audubon Society.*
- Curry, C. M.** (2018, January). Can they hear each other now? Noise and its effects on birds in the Canadian prairies and elsewhere. *Oklahoma City Audubon Society.*
- Koper, N., Bruinsma, D., **Curry, C. M.**, McDonald, L., Warrington, M., Bernath-Plaisted, J., Nenninger, H. R., & Prokopanko, E. (2016). If we build it, will they come? Manitoba's grassland birds and their native prairie habitats. *Living Prairie Museum Public Lecture Series.*
- Curry, C. M.** (2015). Evolution in action in Oklahoma and Texas. *Jenks High School AP Environmental Science Class, Mr. Bryan Yockers, Four Periods).*
- Curry, C. M.** (2012). Titmice in Oklahoma and Texas: What makes a hybrid zone? *Oklahoma City Audubon Society.*
- Curry, C. M.** (2009). Hybrid zones: Titmice and the nature of species. *Darwin-a-Thon Public Education Event at University of Oklahoma.*

#### Awards, Honors, and Fellowships

- Thomas & Catherine Luccock Library Award of Excellence* . . . . . May 2022
- Hidden Hero Award University of Oklahoma Libraries* . . . . . September 2021
- Collaborative Spirit Award (for STEM Services team) University of Oklahoma Libraries* . . . . . April 2020
- Elective Member American Ornithology Society* . . . . . August 2017

<i>GAANN (Graduate Assistance in Areas of National Need) Fellow</i> .....	August 2012-March 2014
<i>Alumni Fellow, University of Oklahoma Graduate College</i> .....	2008-2014
<i>OU Biology Department Award for Excellence in Graduate Student Teaching</i> .....	May 2013
<i>Best oral presentation by a graduate student, Oklahoma Ornithological Society Technical Meeting</i> ..	October 2012
<i>President's List, University of North Texas</i> .....	spring 2005-fall 2007
<i>National Grasslands Prairie Partner Award</i> .....	2003

## Service

### PEER REVIEW

Publons profile: <https://publons.com/a/1187905/>

Auk: Ornithological Advances  
 Avian Conservation and Ecology  
 Condor (now Ornithological Applications)  
 Diversity and Distributions  
 Ecology and Evolution  
 Environmental Pollution  
 Evidence-based Toxicology  
 Ibis  
 Journal of Applied Ecology  
 Northeastern Naturalist  
 Rangeland Ecology and Management  
 Wilson Journal of Ornithology

### DEPARTMENTAL

<i>Research Workshops Committee (chair) for University Libraries</i> .....	2021-present
Documentation of procedures for committee and workshop organization	
Coordination with Marketing and Communications to ensure timely and consistent outreach	
Standardization of accessibility notices to include default captioning, modality, and logistics	
Automation of reminder and registration emails via Zapier and Trello	
<i>Hiring committees for University Libraries</i>	
Chair: STEM Instruction Librarian .....	2024
Member: National Weather Center Branch Library Manager .....	2023
Member: Liaison Coordinator .....	2023
Member: Liaison Coordinator .....	2022
Member: Director of Library Marketing & Communications .....	2021
<i>Graduate Research Retreat Planning Committee (member)</i> .....	2023
<i>OU Libraries Awards Committee (member)</i> .....	2023

<i>New employee mentoring program for two new staff</i> .....	2021-2022
<i>Successful proposal for new name tag design</i> .....	2021
Added option for pronouns to official OU Libraries faculty/staff name badges	
Requested comments and guidance from LGBTQIA+ colleagues	
<i>OU Libraries Strategic Planning Team 3b (member)</i> .....	2021
<i>OU Department of Biology Graduate Selections Committee (graduate student member)</i> .....	2010-2013
<i>Founded and organized OU Ecology Journal Club</i> .....	2011-2013

## UNIVERSITY

<i>Institutional Animal Care and Use Committee (scientist member)</i> .....	February 2021-present
<i>OU Coding Outreach for Data Education (CODE) Workshop (helper)</i> .....	fall semesters, 2020-2022
<i>OU Honors College Undergraduate Research Day (judge)</i> .....	April 2020
<i>OU Honors College Undergraduate Research Day (judge)</i> .....	April 2019
<i>OU School of Architecture Program for Research Enhancement (lay reviewer)</i> ..	fall 2018, spring 2019, fall 2019
<i>Earth Observation Science for Society and Sustainability (EOS 3) (graduate certificate class, OU)</i>	August 28, 2017
Panelist on “Building a better Ph.D. or M.S.”	
<i>OU Graduate College Academic Appeals and Misconduct student panelist</i> .....	2011-2012 academic year
Nominated to serve by department	

## EXTERNAL

<i>Instructor on TAGS (Geolocator Data Cleaning website) at Geolocation Workshop</i> .....	2018
Preceding International Ornithological Congress: Vancouver, BC, Canada	
<i>Session Chair</i>	
“Evolution”, American Ornithology Conference: Tuscon, AZ, USA .....	2018
“Landscape ecology”, American Ornithology Conference: East Lansing, MI, USA .....	2017
“Diseases/parasites”, NAOC-V meeting: Vancouver, BC, Canada .....	2012
“Diversification- Birds”, Evolution 2011: Norman OK, UISA .....	2011
<i>Judge</i>	
Student oral presentations and posters	
· American Ornithology Conference: Tuscon, AZ, USA .....	2018
· American Ornithology Conference: East Lansing, MI, USA .....	2017
· North American Ornithological Conference: Washington, DC., USA .....	2016
<i>Cooper Ornithological Society’s Early Career Editorial Board</i>	

Member ..... 2011-2012

## COMMUNITY

### *Nature Walks*

National Trails Day at Fort Richardson State Park, TX, co-lead with park manager ..... 2012

Bird walk for Fort Griffin State Historic Site, TX, lead ..... 2011

Monthly field trips to LBJ National Grasslands, co-lead ..... 2004-2005

### *Volunteer Work*

Served as an Oklahoma BioBlitz expert biologist ..... 2011

Participated in Wise County Christmas Bird Count circle ..... 2000-2007

Surveyed for Project Prairie Birds (Texas Parks & Wildlife Department) ..... 2002-2006

Co-edited Tall Grass Tales, newsletter of Tallgrass Prairie Audubon Society ..... 2001-2004

Certified Texas Master Naturalist (Elm Fork Chapter) ..... 2000-2006

## Funding

### EXTRAMURAL

#### *Research*

##### *Prairie Biotic Research, Inc. small grants program*

\$1500 ..... March 2018

Proposal: "An Illustrated Checklist of the Lichens of Wise County, Texas, and Surrounding Areas"

Co-PI: Mary Curry

##### *Amazon Web Services (AWS) Cloud Credits for Research program*

\$6500 in computing credits on AWS ..... 2017

Proposal: "Predictive accuracy and efficiency of spatially explicit species distribution models"

##### *NSF ABI Development Grant 1458402*

\$314,890 ..... 2015-2020

Proposal: "The Electronic Transponder Analysis Gateway (ETAG): An Animal Behavior Observatory"

PI: Claire M. Curry ..... 2018-2020

PI: Mark Stacy ..... 2015-2018

PI: Jonah M. Duckles ..... 2015

Co-PI: Eli S. Bridge ..... 2015-2020

Co-PI: Jessica Ruyle ..... 2015-2020

##### *Sigma Xi Grant-in-Aid of Research*

\$500 ..... spring 2012

Proposal: "Evolution of reproductive isolation in a spatially and temporally complex songbird hybrid zone"

##### *American Museum of Natural History Frank M. Chapman Memorial Fund Grant*

\$2000 ..... 2012-2013

Proposal: "Shadow of a doubt: species recognition in a complex avian hybrid zone"

##### *American Museum of Natural History Frank M. Chapman Memorial Fund Grant*

\$2000 ..... 2011-2013

Proposal: "Why songs change over space and time in a complex avian hybrid zone"

*Oklahoma Ornithological Society*

\$500 ..... 2012  
Proposal: "Shadow of a doubt: species recognition and fitness in a complex avian hybrid zone"

*Oklahoma Ornithological Society*

\$400 ..... 2010  
Proposal: "Genetic and vocal dynamics of a complex avian hybrid zone"

*Travel Awards*

*American Ornithological Society Post-Doctoral Travel Award*

\$290 ..... August 2017

*Association of Field Ornithologists' Post-Doctoral Travel Award*

\$260 ..... August 2016

*American Ornithologists Union/Cooper Ornithological Society/Society of Canadian Ornithologists Joint Student Travel Award*

\$370 ..... September 2014

*American Ornithologists Union/Cooper Ornithological Society Student Travel Award*

\$333 ..... August 2013

*American Society of Naturalists Student Travel Award*

\$500 ..... June 2013

*Student Travel Award from 2012 North American Ornithological Conference*

\$300 ..... 2012

INTRAMURAL

*Research and Projects*

*OU Data Institute for Societal Challenges Seed Funding*

\$10,000 ..... June 2022-August 2023  
Seed funding to develop Statistics Helper educational website prototype

*M. Blanche Adams and M. Frances Adams Memorial Scholarships in Zoology: Summer Research Scholarship*

\$2500 ..... summer 2012  
Proposal: "Evolution of reproductive isolation in a spatially and temporally complex songbird hybrid zone"

*George Miksch Sutton Scholarship in Ornithology*

\$3500 ..... 2012  
Proposal: "Testing hybrid zone models using the Tufted (*Baeolophus bicolor*) and Black-crested (*B. atricristatus*) Titmouse hybrid zone"

*M. Blanche Adams and M. Frances Adams Memorial Scholarships in Zoology: Academic Year Scholarship*

\$1000 ..... 2011-2012  
Proposal: "Behavioral and genetic dynamics of a complex avian hybrid zone"

*M. Blanche Adams and M. Frances Adams Memorial Scholarships in Zoology: Summer Research Scholarship*

\$2500 ..... summer 2011  
Proposal: "Behavioral and genetic dynamics of a complex avian hybrid zone"

*George Miksch Sutton Scholarship in Ornithology*

\$6700 ..... 2011  
Proposal: "Testing hybrid zone models using the Tufted (*Baeolophus bicolor*) and Black-crested (*B. atricristatus*) Titmouse hybrid zone"



*M. Blanche Adams and M. Frances Adams Memorial Scholarships in Zoology: Academic Year Scholarship*  
 \$1000 ..... 2010-2011  
 Proposal: "Behavioral and genetic dynamics of a complex avian hybrid zone"

*M. Blanche Adams and M. Frances Adams Memorial Scholarships in Zoology: Summer Research Scholarship*  
 \$756 ..... summer 2010  
 Proposal: "Behavioral and genetic dynamics of a complex avian hybrid zone"

*George Miksch Sutton Scholarship in Ornithology*  
 \$4800 ..... 2010  
 Proposal: "Dynamics of a complex avian hybrid zone"

*OU Graduate Student Senate Research and Creative Endeavors Grant*  
 \$224.82 ..... spring 2010

*OU Robberson Research Grant*  
 \$1000 (granted once per degree) ..... February 2010

*OU Graduate Student Senate Research and Creative Endeavors Grant*  
 \$315.62 ..... fall 2009

*M. Blanche Adams and M. Frances Adams Memorial Scholarships in Zoology: Summer Research Scholarship*  
 \$2500 ..... summer 2009  
 Proposal: "Behavioral and genetic dynamics of a complex avian hybrid zone"; summer research assistantship in department

*George Miksch Sutton Scholarship in Ornithology*  
 \$5000 ..... 2009  
 Proposal: "Dynamics of a complex avian hybrid zone"; research equipment and travel expenses

#### *Travel Awards*

*OU College of Arts and Sciences Student Travel Fund*  
 \$750 ..... August 2013

*OU Department of Biology Travel Funding*  
 \$250 ..... May 2013

*OU College of Arts and Sciences Student Travel Fund*  
 \$750 ..... August 2012

*OU Department of Zoology travel funding*  
 \$250 ..... February 2011

*OU College of Arts and Sciences Student Travel Fund*  
 \$750 ..... October 2010

*OU Robberson Travel Grant*  
 \$500 (granted once per degree) ..... October 2010

*OU Graduate Student Senate Conference and Creative Exhibition Grant*  
 \$79.86 ..... spring 2010

*Carl and Pat Bynum Riggs Scholarship*  
 \$500 ..... summer 2009

## **Memberships**

*American Statistical Association*

Education Section and Oklahoma Chapter .....	2022-present
<i>American Ornithological Society</i>	
Elective Member .....	2017-present
Member .....	2010-2016
<i>Association of Field Ornithologists</i>	
Member .....	2012-2022
<i>Research Data Preservation Association</i>	
Member .....	2018-2019

## References

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