

William H. Kirkpatrick
PhD Student – University of Arkansas Dept. of Biology
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EDUCATION:

University of Arkansas
Fayetteville, AR

August 2019 – Present
PhD in Biological Sciences – *In Progress*

University of Tennessee
Knoxville, TN

August 2015 – May 2019
Bachelor of Science in Ecology and Evolutionary Biology
Minor: Secondary Education (VolsTeach Program)

PUBLICATIONS:

McGee, M. R., Edwards, D. A., **Kirkpatrick, W. H.**, Greeney, H. F., & Sheldon, K. S. (2018). BREEDING BEHAVIOR OF THE GRAY-BREASTED FLYCATCHER (*LATHROTRICCUS GRISEIPECTUS*) IN SOUTHWESTERN ECUADOR. *Ornitología Neotropical*, 29(1), 367-370.

GRANTS/FELLOWSHIPS:

Doctoral Academy Fellowship, University of Arkansas - \$48,000
2018 Undergraduate Research Grant, University of Tennessee - \$2,000

PRESENTATIONS:

Kirkpatrick WH, Carroll RL, Davis CA, Fuhlendorf SD, and DuRant SE. Thermal variability and mean temperature affect the nesting environment and incubation behavior in two quail species. North American Ornithological Conference - Web (COVID-19), August 13, 2020.

Kirkpatrick WH & Sheldon KS. The impacts of climate warming on the breeding behavior of the rainbow scarab dung beetle *Phanaeus vindex*. Ecological Society of America Conference - Louisville, August 13, 2019.

Kirkpatrick WH & Sheldon KS. The impacts of climate warming on the breeding behavior of the rainbow scarab dung beetle *Phanaeus vindex*. EURēCA Conference, April 17, 2019.

Kirkpatrick WH. The impacts of climate warming on the breeding behavior of the rainbow scarab dung beetle *Phanaeus vindex*. URSA Symposium, April 5, 2019.

Kirkpatrick WH, McGee MR, Edwards DA, Greeney HF, Sheldon KS. Secrets of a rare bird: Breeding behavior of the Gray-breasted Flycatcher (*Lathrotriccus*

griseipectus) in Ecuador. Ecology & Evolutionary Biology Undergraduate Symposium, April 26, 2018.

Kirkpatrick WH, McGee MR, Edwards DA, Greeney HF, Sheldon KS. Secrets of a rare bird: Breeding behavior of the Gray-breasted Flycatcher (*Lathrotriccus griseipectus*) in Ecuador. EURēCA Conference, April 18, 2018.

AWARDS/HONORS:

2019 EEB Outstanding Undergraduate Research Award Winner – UTK

2019 Undergraduate Research Symposium Honorable Mention - UTK

WORK EXPERIENCE:

High School Biology Teacher Intern

July 2018-December 2018

Oak Ridge High School - Oak Ridge, TN

Teacher Intern

As part of the VolsTeach Program at UTK, I taught 9th grade high school Biology in order to gain my certification to teach secondary education.

- Constructed appropriate pedagogical strategies.
- Developed specialized curriculum.
- Attended and participated in professional development.
- Worked in Professional Learning Communities (PLC's) to establish a team-based approach to teaching.

Climate Warming Breeding Behavior Project

May 2018-August 2018

Sheldon Lab - Knoxville, TN

Undergraduate Project Leader

I received funding for this project through a UTK Undergraduate Research Grant. I examined the effects of climate warming on the breeding behavior of *Phanaeus vindex*, the rainbow scarab dung beetle.

- Wrote a successful grant for \$2,000 of funding.
- Constructed and maintained a field site.
- Fed and maintained the beetles.
- Gathered data and processed it in R.

Breeding Behavior Life History Project

May-August 2017

Sheldon Lab - Knoxville, TN

Research Assistant

The goal of this project was to grow the knowledge of the breeding behavior of the Gray-breasted Flycatcher (*Lathrotriccus griseipectus*), a rare bird endemic to a small area of Ecuador and Peru.

- Reviewed video to gather behavioral data.
- Organized and entered data into Excel spreadsheets.
- Assisted with statistical processing in R.

Educator – The Muse Knoxville
The Muse - Knoxville, TN

May 2016-April 2018

Educator

I developed and implemented specialized curriculum at The Muse children's museum.

- Developed curriculum for Ocean Camp (Summer 2016-2017)
- Taught ecology and conservation to field trip groups.
- Participated in developing specialized education for children ages 2-12.