

KYLE KITTELBERGER

<https://www.linkedin.com/in/kylekittelberger>, www.flickr.com/photos/hawk-eagle/

EDUCATION

University of Utah, School of Biological Sciences, Salt Lake City, UT
Ecology, Evolution, & Organismal Biology PhD program

August 2020- present

Honors/Awards: Global Change & Sustainability Center (GCSC) First-Year Graduate Fellowship (2020), Summer Award for Upper Division and Graduate Students from the Redd Center, BYU (2021), - Tinker Pre-dissertation Field Research Grant from the Center for Latin American Studies (2021)

Dartmouth College, Hanover, NH

September 2012- April 2017

Bachelor of Arts, Major in Biology with High Honors and in Environmental Studies

GPA 3.52/4.0

Honors/Awards: Brian Dunleavy Award in Biological Sciences for honors biology thesis (2016), Kaminsky Family Fund Award grant for honors biology thesis (2015), Francis L. Town Scientific Prize for the class of 2016, Environmental Studies (2014)

RESEARCH/WORK

Kuzeydoğu Derneği Association, Avian and Mammalian Research Assistant in Turkey

April 2019- July 2019

- Field research assistant involved with a few different ongoing projects in northeastern Turkey. I helped monitor avian mist nets and ring birds at the Aras Bird Banding Station. Later I helped ring juvenile white storks at their nests. I also conducted bird surveys at various wetlands, recording bird numbers and species. Finally, I assisted with a large carnivore research project, helping set up and monitor traps and trail cameras while also providing hands-on assistance with captured bear, wolf and lynx.

Dartmouth College Department of Biological Sciences, Laboratory Research Assistant

February 2018-October 2019

- I am involved in an avian soundscape research project and have been analyzing audio files from Hubbard and Jeffers Brook Research Forests (both in New Hampshire) for bird presence. In each audio file, I identify to species every bird that vocalizes and count the number of calls or songs from a given species during a 10 minute period. The goal of this project is to see how background noise and abiotic factors such as weather, barometric pressure, temperature, etc. affect bird vocalizations.

The Institute for Bird Populations, Avian Field Biologist in California

May 2018-August 2018

- Worked throughout the Sierra Mountains in California, surveying for Black-backed Woodpeckers among snags in forests affected by wildfires, beetle kill damage or drought. I also conducted all-species avian point counts and noted vegetation and habitat characteristics at points in each of our study sites. After avian point counts, I sampled for wood-boring and bark beetles in burn areas. Later, I entered the data all the groups had collected throughout the season.

Bird Conservancy of the Rockies, Avian Field Technician in Wyoming

May 2017-July 2017

- Conducted avian point count surveys across Wyoming. Transects occurred on both public and private land, with up to 16 total survey points. Birds were recorded by both sight and sound, and information was recorded regarding the characteristics of the habitat and the dominant vegetation at each transect.

Dartmouth College, Honors Biology Thesis at Hubbard Brook Experimental Forest, NH

June 2015-February 2017

- Researched arthropod communities found in a forest with white ash to understand the potential impact ash extirpation from emerald ash borers may have on forest arthropods. Collected various arthropod taxa associated food webs for nitrogen isotope analyses to understand structure of trophic guilds. Increased knowledge of arthropod species diversity.

North Carolina State Parks, Hemipteran Hoppers of North Carolina.

June 2013-present

- Researching the abundance and distribution of hemipteran hoppers across North Carolina, traveling across state to sample and photograph species. Developed an online, interactive photographic field guide and database for hoppers with informative species accounts with a citizen science component. See: <https://auth1.dpr.ncparks.gov/bugs/index.php>

PUBLICATIONS

Kittelberger, K., and Bockhahn, B. (2020). Novel behavioral observations from North Carolina of the poorly known *Neurocordulia alabamensis* (Alabama Shadowdragon). *Argia* 32(3): 24-25.

Kittelberger, K. D. (2021). New regional record of *Brechmorhoga mendax* (Pale-faced Clubskimmer) in eastern Utah, with notes on the species' status in Utah and known northern distribution boundaries. *Argia* 33(1): 27-28.

Kittelberger, K. D., Buechley, E. R., Ford, M., Agirkaya, K., and Şekercioğlu, Ç. H. (2021). First satellite-tracked migration of an Eurasian Thick-knee (*Burhinus oedicnemus*) in the Middle East ends in human-caused mortality. *Zoology in the Middle East* 67(2): 119-125. doi:10.1080/09397140.2021.1918183

Kittelberger, K. D., Neate-Clegg, M. H.C., Buechley, E. R., and Şekercioğlu, Ç. H. (2021). Community characteristics of forest understory birds along an elevational gradient in the Horn of Africa: A multi-year baseline. *Ornithological Applications* 123: 1-20. doi:10.1093/ornithapp/duab009

Blount, J. D., Horns, J.J., Kittelberger, K. D., Neate-Clegg, M. H.C., and Şekercioğlu, Ç. H. (2021). Avian Use of Agricultural Areas as Migration Stopover Sites: A Review of Crop Management Practices and Ecological Correlates. *Frontiers in Ecology and Evolution* 9:650641. doi:10.3389/fevo.2021.650641

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Kittelberger, K. D., Neate-Clegg, M. H.C., Blount, J. D., Posa, M. R.C., McLaughlin, J., and Şekercioğlu, Ç. H. (2021). Biological Correlates of Extinction Risk in Resident Philippine Avifauna. *Frontiers in Ecology and Evolution* 9:664764. doi:10.3389/fevo.2021.664764

Kittelberger, K. D., Hendrix, S.V., and Şekercioğlu, Ç. H. (2021). The Value of Citizen Science in Increasing Our Knowledge of Under-Sampled Biodiversity: An Overview of Public Documentation of Auchenorrhyncha and the Hoppers of North Carolina. *Frontiers in Environmental Science* 9:710396. doi: 10.3389/fenvs.2021.710396

VOLUNTEER WORK

BugGuide & iNaturalist Moderator/Editor, Hemipteran hopper expert managing sites and providing identifications. **2015-present**
Seabirding Leader & Spotter, Assist with leading Brian Patteson Seabirding Pelagic Trips out of Hatteras, NC **2013-present**

ADDITIONAL RECOGNITION & AWARDS

Ivy League Undergraduate Research Symposium, selected to present undergraduate biology thesis at inaugural ILURS **2017**
North Carolina Biodiversity Project, Co-founding member. NCBP consists of taxonomic experts & conservation biologists. **2016**
Dartmouth College, Awarded Parson's Family Fund Grant to conduct research on hemipteran hoppers in North Carolina **2014**
US Environmental Protection Agency, President's Environmental Youth Award, Southeastern District **2011**
State of North Carolina, Youth Conservationist of the Year **2010**
Boy Scouts of America, Eagle Scout **2008**