

Nicholas A. Huron

Doctoral Student

Department of Biology, Temple University

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Education

- 2021 Ph.D. in Biology (Anticipated)
 Temple University
 Advisor: Dr. Matthew Helmus
- 2013 B.S. in Biology
 Pepperdine University
 Magna Cum Laude

Academic Positions

- 2017– *Graduate Student*, Integrative Ecology Lab
- Thesis: “Disentangling the relationship between changing biodiversity and species interactions: how do species extinctions and introductions alter networks and functions?”
- 2019 *Research Assistant*: “An integrative approach to model, predict and control the spotted lanternfly invasion meltdown in Pennsylvania”, Pennsylvania Department of Agriculture
- Lead and attend weekly meetings towards building a comprehensive model of spread for the spotted lanternfly
 - Development of a spatially explicit model of abiotic suitability for spotted lanternfly across the U.S.A. and world
 - Aggregation and tidying of broad scale spatial and trade data
- 2014–2017 *Research Assistant*, Cameron Siler Lab
- Study of the biodiversity and systematics of Philippine herpetofauna
 - Specimen/tissue curation for research in the Sam Noble Oklahoma Museum of Natural History (SNOMNH)
- 2017–2017 *Research Assistant*: “Tracking the Emergence of Infectious Disease Among Amphibian Species of Greatest Conservation Need—Amphibian Surveys of Wildlife Management Areas in Oklahoma to Determine Current Distribution, Status, and Health of Native Communities”, Oklahoma Department of Wildlife Conservation
- Lead expeditions to collect data for amphibians throughout Oklahoma
 - Subsample and prepare tissues for infectious disease screening
 - Curate and catalogue vouchered specimens in SNOMNH
- 2015–2016 *Herpetology Curatorial Assistant*, Sam Noble OK Museum of Natural History
- Conduct relabeling to update collection taxonomy
 - Survey, catch, and process specimens for deposition in collection
 - Entry/review of specimen collection database (morphology, locality, etc.)
- 2015–2015 *Mammology Curatorial Assistant*, Sam Noble OK Museum of Natural History
- Inventory/validate records for current specimens in the mammal collection
 - Entry of specimen data (morphology, locality, etc.) into collection database

- 2013–2014 *Research Assistant*, Pepperdine University
- Organize and carry out annual stream surveys of SMM streams
 - Provide critical feedback on studies prior to journal submission
 - Compile data into a central database of amphibian surveys that began in 1991
 - Meet weekly with supervisor to discuss research projects
- 2013–2014 *Administrative Assistant*, Pepperdine University
- Assist the Vice Provost for Research with the Waves of Innovation funding program
 - Final review proposals, presentations, and official documents before submission
 - Interact with high profile University members and coordinate committee meetings
- 2013–2014 *Research Student*, Rodney Honeycutt Lab
- Use genetic lab techniques to analyze population phylogeography
 - Study local populations of *Taricha torosa*
- 2009–2014 *Research Student*, Lee Kats Lab
- Investigate behavioral ecology in the streams of the Santa Monica Mountains (SMM) and the rainforest of the La Selva Research Station in Costa Rica
 - Regular stream surveys in the SMM for USGS and State Park Services
 - Annual presentation of current research at SCCUR (see below for list)
- 2013–2013 *Restoration Ecologist*, Mountains Restoration Trust (MRT)
- Head up the invasive crayfish removal project (CRP) at Tapia Park (Malibu Creek)
 - Supervise trapping, characterization, and removal of invasive *Procambarus clarkii*
 - Lead invasion ecology education side project via remote video and in person instruction
 - Manage the CRP data set and collaborate with local scientists
- 2009–2013 *Office Assistant*, Pepperdine University Seaver Dean's Office
- Greet visitors, digitize documents, and facilitate interdepartmental communications
 - Assist event preparation for faculty/research award ceremonies
 - Support the aforementioned events in person and provide presentation technical support

Research Interests

Community Ecology, Biodiversity and Systematics, Conservation Biology, Herpetology, and Invasion Ecology

Teaching Experience

- 2019 *Principles of Ecology*, Temple University (TA, 1 semester)
- 2018–2020 *Introduction to Organismal Biology*, Temple University (TA, 2 semesters)
- 2016 *Introductory Biology: Molecules, Cells, and Physiology*, University of Oklahoma (TA, 1 semester)
- 2016 *Field Herpetology*, University of Oklahoma (TA, 2 weeks)
- 2015 *Human Physiology*, University of Oklahoma (TA, 1 semester)
- 2014 *Introductory Zoology*, University of Oklahoma (TA, 1 semester)
- 2012 *Introduction to Ecology*, Pepperdine University (Undergraduate TA, 1 semester)
- 2011–2012 *Keck Research Seminar*, Pepperdine University (Student Mentor, 2 semesters)
- 2010–2013 *Cellular Biology*, Pepperdine University (Undergraduate TA, 4 semesters)
- 2010–2011 *General Chemistry*, Pepperdine University (Tutor, 2 semesters)

Research Grants

2018	Storer Award (Conservation), American Society of Ichthyologists and Herpetologists	\$300.00
2017	University of Oklahoma Graduate Student Senate Research Grant	\$150.00
2015	University of Oklahoma Graduate Student Senate Research Grant	\$562.50
2015	Henri C. Seibert Award (Ecology), Society for the Study of Amphibians and Reptiles	\$200.00
2015	L. G. Hill Zoology Excellence Fund	\$475.00

Publications

9. Marhanka, EC, Watters, JL, **Huron, NA**, McMillin, SL, Winfrey, CC, Curtis, DJ, Davis, DR, Farkas, JK, Kerby, JL, Siler, CD. 2017. Detection of high prevalence of *Batrachochytrium dendrobatidis* in amphibians from southern Oklahoma, USA. *Herpetological Review* 48:70–74.
8. Siler, CD, Davis, DR, Freitas, ES, **Huron, NA**, Geheber, AD, Watters, JL, Penrod, ML, Papeş, M, Amrein, A, Anwar, A, Cooper, D, Hein, T, Manning, A, Patel, N, Pinaroc, L, Diesmos, AC, Diesmos, ML, Oliveros, CH, Brown, RM. 2016. Description of a new species of Slender Skink of the *Brachymeles bonitae* Complex (Reptilia: Squamata: Scincidae) from the northern Philippines. *Zootaxa*, 4132:15–29.
7. **Huron, NA**, Realubit, NDC, Cobb, KA, Brown, JC, Bergmann, P, Morinaga, G, Diesmos, AC, Diesmos, ML, Brown, RM, Siler, CD. 2016. Discovery of new island populations of the recently described False Geckos (*Pseudogekko pungkaypinit* and *Pseudogekko ditoy*): Conservation implications for the eastern Philippines. *Herpetological Review*, 47:1–4.
6. Diesmos, AC, Waters, JL, **Huron, NA**, Davis, DR, Alcala, AC, Crombie, RI, Afuang, LE, Gee-Das, G, Sison, RV, Sanguila, MB, Penrod, ML, Labonte, MJ, Davey, CS, Leone, EA, Diesmos, ML, Sy, EY, Welton, LJ, Brown, RM, Siler, CS. 2015. Amphibians of the Philippines, part I: checklist of the species. *Proceedings of the California Academy of Sciences*, 62:457–539.
5. Davis, DR, Sanguila, MB, Brown, JC, Brown, RM, Cobb, KA, Bergmann, P, Morinaga, G, **Huron, NA**, Watters, JL, Siler, CD. 2015. Natural History Notes: *Pseudogekko ditoy* (Leyte Diminutive False Gecko) Morphology. *Herpetological Review*, 46:634.
4. Heitz, BB, Ellsworth, ED, **Huron, NA**, Geheber, AD, Siler, CD. 2015. Geographic Distribution: *Sonora semiannulata* (Variable Groundsnake). *Herpetological Review*, 46:577.
3. Sanguila, MB, Realubit, NDC, Diesmos, ML, Lorenzo II, A, De Layola, A, Brown, JC, Cobb, KA, Bergmann, P, Morinaga, G, Freitas, ES, **Huron, NA**, Watters, JL. 2015. Geographic Distribution: *Pelophryne lighti* (Mindanao Flathead Toad). *Herpetological Review*, 46:380.
2. Realubit, NDC, Diesmos, ML, Lorenzo II, A, De Layola, A, Diesmos, AC, Brown, JC, Brown, RM, Cobb, KA, Bergmann, P, Morinaga, G, Siler, CD, **Huron, NA**, Siler, JM. 2015. Geographic Distribution: *Draco mindanensis* (Mindanao Flying Lizard). *Herpetological Review*, 46:216.
1. Davis, DR, Watters, JL, Köhler, G, Whitsett, C, **Huron, NA**, Brown, RM, Diesmos, AC, Siler, CD. 2015. Redescription of the rare Philippine slender gecko *Pseudogekko brevipes* (Reptilia: Squamata: Gekkonidae) and description of a new species. *Zootaxa*, 4020:357–374.

Presentations

- 2018 Joint Meetings of Ichthyologists and Herpetologists, University of Rochester (Rochester, NY U.S.A.)
- 2018 Mid-Atlantic Ecological Society of America Conference, Rutgers University - Newark Campus (Newark, NJ U.S.A.)
- 2015 Society for the Study of Amphibians and Reptiles Meeting, University of Kansas (Lawrence, KS U.S.A.)
- 2013 Southern California Conference of Undergraduate Research (SCCUR), Whittier College (Whittier, CA U.S.A.)
- 2012 SCCUR, California State University Channel Islands (Camarillo, CA U.S.A.)
- 2011 SCCUR, Mt. San Antonio College (Walnut, CA U.S.A.)
- 2010 SCCUR, Pepperdine University (Malibu, CA U.S.A.)

Honors, Awards, and Fellowships

- 2017– Temple University Fellowship
- 2013 Selection for Who's Who in American Universities and Colleges
- 2012–2013 Blanche E. Seaver Faculty Scholarship
- 2011–2013 Pepperdine University Natural Science Award
- 2011–2012 Pepperdine University Seaver College Faculty/Staff Scholarship
- 2010 Seaver College Dean's List (2 Semesters)
- 2010 Phi Eta Sigma Honor Society Induction

Skills

Lab and Fieldwork

- Amphibian/reptile field collection (destructive/non-destructive tissue sampling, specimen preparation, *Batrachochytrium dendrobatidis*/ranavirus swabbing, eDNA collection)
- Ecological survey techniques (e.g., Stream Health Biotic Index)
- Amphibian/Reptile care and husbandry
- Lab safety and general genetic sequencing (tissue extraction, PCR, gel electrophoresis)

Computer

- R statistics program (including development of functions and scripts)
- Geographic Information Systems software (ArcGIS and qGIS)
- Ecological Niche Modeling (Maxent)
- Python and Git version control (Novice)
- Presentation and A/V set-up
- Microsoft Office applications
- Document copier and scanning

Language

- Proficient in conversational German
- Limited experience with conversational Tagalog

Professional Memberships

- 2018 Ecological Society of America
- 2015 Society for the Study of Amphibians and Reptiles (SSAR)

2015 The Herpetologists' League (HL)
2013 American Society of Ichthyologists and Herpetologists (ASIH)

Outreach and Service

- 2014–2017 Sam Noble Oklahoma Museum of Natural History
- Assist in coordination of the Department of Herpetology annual public events
 - Mentoring of undergraduate research volunteers in the Department of Herpetology
 - Identify collected specimens and interface with public during the annual Oklahoma Bioblitz
- 2011– Sigma Phi Epsilon national social fraternity (alumnus)
- Member of the California Psi chapter
 - Vice President of Recruitment (2012 calendar year)
 - Semesterly trips to build homes in Tecate, Mexico (Club Dust)
 - Annual philanthropy to benefit YouthAIDS
- 2009–2013 Pepperdine University GreenTeam
- Member and volunteer
 - Helped initiate “Trayless Tuesday” to increase environmental awareness