**Thomas N. Sheehan**

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EDUCATION

PhD Entomology2023–present **- University of Georgia**, Athens, GA

 Advisors: Joseph V. McHugh and Kier D. Klepzig

MS Entomology **2017 - University of Georgia,** Athens, GA

Thesis: Disentangling the effects of microclimate on vertical stratification of
wood-boring beetles.

Advisors: Michael D. Ulyshen and Joseph V. McHugh

GPA: 3.45/4.00.

Relevant Courses: Insect Taxonomy, Insect Ecology, Forest Entomology, Experimental Design, Insect Phylogeny and Systematics

BS Biology **2015 - Berry College,** Mount Berry, GA

Minor in History Honors Thesis: Species diversity and abundance of terrestrial gastropods on Berry College’s campus, Rome, Georgia
Advisor: John H. Graham

GPA: 3.67/4.00, *magna cum laude*

Relevant Coursework: Entomology, Behavioral Ecology, Conservation Biology, Adv. Ecology

Study Abroad **2014 - James Cook University,** Smithfield, Queensland

TEACHING EXPERIENCE

**General Entomology** (University of Georgia, ENTO4000) *Laboratory TA*

Prepared lectures, worksheets, and exams concerning insect diversity local to Georgia

* Fall 2023 – 1 section, 3 students

**Concepts in Biology** (University of Georgia, BIOL1103) *Instructor of Record*

Guided students through worksheets, prepared lectures, led discussions, and supervised lab experiments

* Fall 2017 – 3 sections, 70 students

RESEARCH EXPERIENCE

**The Jones Center at Ichauway** Dec. 2017­–Aug. 2023, Newton, GA

Research Associate II, Dr. Kier Klepzig Lab

* Managed lab, designed and implemented research projects
* Supervised and trained 15 technicians, assisted graduate students
* Wrote peer reviewed, outreach, and internal publications

**Berry College Honors Program** 2014–2015, Mount Berry, GA

Senior Honors Thesis, under Dr. John Graham

* Identified 100+ specimens, designed experiment to analyze species diversity, and used PAST software

**Saint Catherines Sea Turtle Program** 2014, Saint Catherine’s Island, GA

Student Intern, under Dr. Gale Bishop

* Monitored sea turtle nests to gather hatchling data

**JCU School of Marine and Tropical Biology** 2014, Smithfield, QLD

Research Assistant, under Dr. Lori Lach

Assisted in eradication efforts of the invasive yellow crazy ant, installed and collected pitfall traps

**Berry College Biology Department** 2013, Mount Berry, GA

Research Assistant, under Dr. Renee Carleton and Dr. John Graham

* Conducted experiment on fluctuating asymmetry and heat stress using temp. dataloggers and calipers

**Berry College Technical Support Desk** 2011–2015, Mount Berry, GA

Support Desk Technician/Student Supervisor

* Diagnosed and solved computer malfunctions, mentored lowerclassmen in support desk skills

PEER REVIEWED PUBLICATIONS

11. Bishop, CJ, Y Wang, KJK Gandhi, **TN Sheehan**, KD Klepzig, and C Villari. 2024. Responses of belowground subcortical beetles to a catastrophic hurricane and subsequent management activities in longleaf pine stands. *In Prep.*

10. Dingley, NR, **TN Sheehan**, KD Klepzig, E McCarty. 2023. A preliminary study of longleaf pine canopy arthropods in Southwest Georgia. *Southeastern Naturalist*. *In Review*

9. Young, K, A Tsalickis, **TN Sheehan**,KD Klepzig, MS Caterino, and JA Hartshorn. 2023. Dung beetle community composition in the presence and absence of mesopredators in a longleaf pine forest. *Southeastern Naturalist* 22(1): 78–90 <https://doi.org/10.1656/058.022.0112>

8. Dunn, P, et al. 2023. Extensive regional variation in the phenology of insects and their response to temperature across North America. *Ecology* 104(5) e4036 <https://doi.org/10.1002/ecy.4036>.

7. Klepzig, KD, JA Hartshorn, A Tsalickis, and **TN Sheehan**. 2022. Eye gnat (*Liohippelates*, Diptera: Chloropidae) biology, ecology, and management: past, present, and future. *Journal of Integrated Pest Management* 13(1): 1–14. <https://doi.org/10.1093/jipm/pmac015>

6. **Sheehan, TN** and KD Klepzig**.** 2022. Arthropods and fire within the biologically diverse longleaf pine ecosystem. *Annals of the Entomological Society of America* 115(1): 69–94 <https://doi.org/10.1093/aesa/saab037>

5. Ulyshen, MD and **TN Sheehan**. 2021. The importance of termites and fire to dead wood consumption in the longleaf pine ecosystem. *Scientific Reports* 11: 24109 <https://doi.org/10.1038/s41598-021-03621-0>

4. Gandhi, KJK, KD Klepzig, BF Barnes, B Gochnour, EP McCarty **TN Sheehan**, C Villari, and JT Vogt. 2019. Bark and woodboring beetles in wind-damaged pine stands in the southern United States. Warnell Outreach Publication [WSFNR-19-38](https://www.warnell.uga.edu/sites/default/files/publications/WSFNR-19-38_McCarty.pdf)

3. **Sheehan, TN,** Ulyshen MD, Horn S, and ER Hoebeke. 2019. Vertical and horizontal stratification of bark and wood boring beetles by feeding guild: Is there an optimal trap location for detection? *Journal of Pest Science* 92(1), 327–341 <https://doi.org/10.1007/s10340-018-1026-5>

2. Ulyshen, MD and **TN Sheehan**. 2017. Trap height considerations for detecting two economically important forest beetle guilds in southeastern U.S. forests. *Journal of Pest Science* 92(1), 253–265 <https://doi.org/10.1007/s10340-017-0883-7>

1. Ulyshen, MD, LG Zachos, JO Stireman, **TN Sheehan**, and RC Garrick. 2017. Insights into the ecology, genetics and distribution of *Lucanus elaphus* (Coleoptera: Lucanidae), North America’s giant stag beetle. *Insect Conservation and Diversity* 10(3), 403–412 <https://doi.org/10.1111/icad.12229>

OTHER PUBLICATIONS

Schweitzer, C, M Varner, D Dey, T Keyser, M Baumflek, C Favorito, **T Sheehan**, K Klepzig, A Watts, L Pile-Knapp, C Harper, C Moorman, J Willis, J Kabrick, A Conrad. 2023. Fire Effects in Contemporary Eastern Forests. In Prescribed Fire for Ecosystem Resilience in the 21st Century. National Prescribed Fire Assessment. USDA Forest Service.

Klepzig, KD and **TN Sheehan**. 2023. Fire and insects, *In* Rutledge, BT and RK McIntyre (eds.). 2023. Prescribed fire at The Jones Center at Ichauway. A 28-year case study. Newton, Georgia: The Jones Center at Ichauway. 29 p. [doi.org/10.58497/50713](https://www.jonesctr.org/prescribed-fire-at-ichauway-28year-case-study/)

Cates, JAL, **TN Sheehan**, and KD Klepzig. 2022. [No touchy arthropods of Ichauway](https://lab.jonesctr.org/wp-content/uploads/2022/04/No-Touchy-Insect-Pamphlet_6pages.pdf). Ichauway Pamphlet Series.

**Sheehan, TN** and KD Klepzig. 2019. 7 answers to 7 questions about gnats. Ichauway Pamphlet Series.

INVITED PRESENTATIONS

**Sheehan, TN**, CM Favorito, KJK Gandhi, and KD Klepzig. 2023. Fire, forests, and friends: Beneficial insects of longleaf pine. Southern Forest Insect Work Conference, Raleigh, NC.

**Sheehan, TN**. 2023. Insects of Ichauway. Guest lecturer for Wildlife and Forestry Field Techniques Course, Southeastern and Northeast Sections of the Wildlife Society, Ichauway, GA.

**Sheehan, TN**, CJ Bishop, BM Gochnour, C Villari, KJK Gandhi, KD Klepzig. 2022. Insects associated with dead and dying trees in pyrogenic longleaf pine ecosystems. Invited symposium presentation at Entomological Society of America, Vancouver, BC.

**Sheehan, TN**, C Favorito, KJK Gandhi, and KD Klepzig. 2022. Long-term monitoring of wild pollinators in diverse habitats of a relict longleaf pine ecosystem. Invited symposium presentation at The Wildlife Society, Spokane, WA.

**Sheehan, TN**. 2022. Insects of Ichauway. Guest lecturer for Wildlife and Forestry Field Techniques Course, Southeastern Section of the Wildlife Society, Ichauway, GA.

**Sheehan, TN**, KD Klepzig, and KJK Gandhi. 2020. Interactions between fire, insects/disease, and forest health. Guest lecturer for UGA Prescribed Fire in the Forest Ecosystem, Ichauway, GA.

SELECT ORAL PRESENTATIONS

**Sheehan, TN**, CM Favorito, MM McTeague, AM Deczynski, MD Ulyshen, JV McHugh, CR Traylor, A Bosworth, and KD Klepzig. 2023. It’s been a hard day’s night and I’ve been looking for a log: patterns of diel activity for saproxylic beetles. Entomological Society of America, National Harbor, MD.

**Sheehan, TN**, KJK Gandhi, and KD Klepzig. 2021. Biodiversity of arthropods in an exceptionally biodiverse sub-tropical ecosystem dominated by longleaf pine. Entomological Society of America, Denver, CO.

**Sheehan, TN** and KD Klepzig. 2019. Post-hurricane beetle activity in longleaf pine: a resilient tree in a resistant landscape. Entomological Society of America, St. Louis, MO.

**Sheehan, TN** and KD Klepzig. 2018. Insects of Ichauway: Past, present, and future entomological research at the Jones Center. Georgia Entomological Society of America, Helen, GA.

**Sheehan, TN**, Ulyshen MD, and S Horn. 2017. How much does height matter? Determining microclimatic effects of height on vertical stratification of wood-boring beetles. Entomological Society of America, Denver, CO.

Patterson, L and **TN Sheehan**. 2015. Berry College sea turtle internship at St. Catherines Island, Georgia. Berry College Symposium on Student Scholarship, Berry College, GA

ORGANIZED SYMPOSIA

Mar. 2024 Southern forest insects and forest health: the bothersome, benign, and beneficial. SE branch of ESA, Augusta, GA

Jul. 2023 The good, the bug, and the not-so-ugly: beneficial insects in forests. Southern Forest Insect Work Conference, Raleigh, NC

Jun. 2020 Ichauway Graduate Student Virtual Poster Session

PEER REVIEW SERVICE

2023 *Forest Ecology and Management*

2023 *Southeastern Naturalist*

2022 *Castanea*

UNIVERSITY AND PROFESSIONAL SERVICE

2023–pres Awards Committee, SE Branch of ESA

2023–pres Member, H.O. Lund Club

2023–pres External Comm. Co-Chair, United Campus Workers of Georgia

Dec. 2023 Judge, Burney-Harris-Lyons Middle School Science Fair

Nov. 2022 Student oral presentation judge, National Meeting of ESA, Vancouver, BC

2021–2022 DEI Committee at Ichauway

Jun. 2022 Photo Salon judge, Southern Forest Insect Work Conference, Lexington, KY

Nov. 2021 Student oral presentation judge, National Meeting of ESA, Denver, CO

Nov. 2019 Student oral presentation judge, National Meeting of ESA, St. Louis, MO

Apr. 2019 Student poster presentation judge, Georgia Entomological Society Meeting, Cordele, GA

Apr. 2017 Judge, Georgia Science and Engineering Fair, Athens, GA

2015–2017 Member, H.O. Lund Club

CLASSES AND WORKSHOPS ATTENDED

2023 Campaign Planning, United Campus Workers

2023 Meeting Facilitation Training, United Campus Workers

2023 Chainsaw Safety, Ichauway, GA

2022 Bark and Ambrosia Beetle Academy, Gainesville, FL

2021 Grant Writing Workshop, Ichauway, GA

2021 Outreach Video Creation, Ichauway, GA

2021 Mobile Elevating Work Platform Operation, Ichauway, GA

2019 Bark Beetle Biology and Identification, Blacksburg, VA

2018 High Impact Communications for Scientists, Ichauway, GA

2018 Likelihood Methods for Forest and Wildlife Science, Ichauway, GA

2018 Prescribed Fire Application, Ichauway, GA

2016 Bark and Ambrosia Beetle Academy, Gainesville, FL

OUTREACH

Oct. 2023 Comer Elementary Career Fair, Comer, GA ~300 students

Sep. 2023 Insectival, Athens, GA ~1500

Mar. 2023 Open House, Ichauway, GA ~800

2017–2023 Numerous field tours to hundreds of post-secondary students and stakeholders, Ichauway, GA

May 2022 Arbor Creek High School, Las Vegas, NV ~20 students

Oct. 2021 [It’s the Little Things: An Entomology Research Spotlight](https://www.youtube.com/watch?v=3KZFworu82Y) Outreach video, Ichauway, GA

Oct. 2021 Ichauway e-Vent, Ichauway, GA

Aug. 2020 Soaring Eagle Academy Virtual Field Trip, Lombard, IL ~12 students

Jun. 2019 Oscar Jackson Outdoor Camp, Bainbridge, GA ~25 students

Mar. 2019 Open House, Ichauway, GA ~800

Jun. 2018 Oscar Jackson Outdoor Camp, Bainbridge, GA ~25 students

Sep. 2017 Insectival, Athens, GA ~1000

Sep. 2016 Insectival, Athens, GA ~1000

Sep. 2015 Insectival, Athens, GA ~1000

SKILLS

Insect curation and determination

Compound/dissecting microscope

Employee supervision

Biological media preparation

Insect collecting/mounting

Time management/organization

Workload organization

Statistical analysis (R)

MS Office Suite Expert Certification

SELECT OTHER FIELD EXPERIENCE

May 2017 UGA Entomology Odonate Survey, Sapelo Island, GA

Sep 2016 Salamander Survey with Kira McEntire, Coweeta Hydrological Lab, NC

May 2016 UGA Entomology Odonate Survey, Sapelo Island, GA

Oct. 2015 UGA Insect Taxonomy Collecting Trip, Sapelo Island, GA

Sep. 2014 Berry College Salamander Ecology Field Trip, Highlands, N

May 2014 JCU Biodiversity of Tropical Australia Field Trip, Atherton, QLD

Apr. 2014 JCU Plant Ecology Field Trip, Boulia, QLD

Oct. 2013 Berry College Behavioral Ecology Field Trip, Saint Catherines Island, GA

SELECTED CURATORIAL ACTIVITY

2017­–2023 Established and curated Jones Center at Ichauway reference collection

Authoritative identifications (species level unless otherwise noted)

2023 ~50 Scolytinae Univ. of GA Collection of Arthropods

2023 ~25 Cerambycidae Univ. of GA Collection of Arthropods

2023 ~20 misc, Coleoptera Univ. of GA Collection of Arthropods

2023 ~30 misc, Coleoptera to genus Univ. of GA Collection of Arthropods

2022 ~2000 Scolytinae Jones Center at Ichauway reference collection

2022 ~100 Cerambycidae Jones Center at Ichauway reference collection

2021 ~200 Carabidae Jones Center at Ichauway reference collection

2019 ~1000 Scolytinae Jones Center at Ichauway reference collection

Specimens mounted

2023 ~1500 cerambycid beetles

2020 ~400 misc. Coleoptera Jones Center at Ichauway reference collection

2019 ~400 misc. Coleoptera Jones Center at Ichauway reference collection

2018 ~500 misc. Coleoptera Jones Center at Ichauway reference collection

2016 ~1200 Cerambycidae

2016 ~8000 Scolytinae

HONORS AND AWARDS

2017 1st place MS oral presentation (T.L. Bissell Award), GA Entomological Society

2017 1st place MS oral presentation, UGA Entomology Department Lund Week

2017 1st place microphotography contest, UGA Entomology Department Lund Week

2017 2nd place Triplehorn contest, UGA Entomology Department Lund Week

2012–2015 Dean’s List, Berry College

2015 2nd place visual presentation, Berry College Symposium on Student Scholarship

PROFESSIONAL MEMBERSHIPS

Entomological Society of America

Southern Forest Health Work Conference (previously Southern Forest Insect Work Conference)

Coleopterists Society

REFERENCES

Dr. Kier D. Klepzig, Director, The Jones Center at Ichauway

(229) 734-4706 kier.klepzig@jonesctr.org

Dr. Joseph V. McHugh, Professor, Department of Entomology, UGA
(706) 542-3574 mchugh.jv@gmail.com

Dr. Michael D. Ulyshen, Research Entomologist, U.S. Forest Service
(706) 559-4296 michael.d.ulyshen@usda.gov