**Thomas N. Sheehan**

Research Associate II, Forest Entomology, The Jones Center at Ichauway

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CURRENT POSITION

**Research Associate II** Dec. 2017–present **– The Jones Center at Ichauway,** Newton, GA

Forest Entomology and Microbiology, Dr. Kier Klepzig Lab

* Collect and determine insects; maintain insect collection and fungal cultures
* Supervise and train technicians, assist graduate students
* Manage lab, design and implement research projects
* Write peer reviewed, outreach, and internal publications

EDUCATION

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

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

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

GPA: 3.67/4.00, *magna cum laude*

History Minor

Relevant Coursework: Entomology, Behavioral Ecology, Conservation Biology, Advanced Ecology

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

OTHER EXPERIENCE

**University of Georgia Division of Biological Sciences** Aug. 2017–Dec. 2017, Athens, GA

Graduate Teaching Assistant

* Instructor of record for 3 classes of ~24 students each

**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 (16 hrs)

* 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 (40 hrs)

* 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 (16 hrs)

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

PEER REVIEWED PUBLICATIONS

Young, K, A Tsalickis, **TN Sheehan**,KD Klepzig, MS Caterino, and JA Hartshorn. 2022. Dung beetle community composition in the presence and absence of mesopredators in a longleaf pine forest. *Southeastern Naturalist*. In prep.

Dunn, P, et al. 2022. Geographic and phenological variation in insect abundance across North America: implications for monitoring insect declines. *Global Change Biology*. In prep.

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*. <https://doi.org/10.1093/jipm/pmac015>

**Sheehan, TN** and KD Klepzig**.** 2021. 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>

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>

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)

**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>

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>

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>

PRESENTATIONS

**Sheehan, TN**, KJK Gandhi, and KD Klepzig. “Biodiversity of arthropods in an exceptionally biodiverse sub-tropical ecosystem dominated by longleaf pine.” Oral presentation at the Entomological Society of America Annual Meeting, Nov. 2021; Denver, CO.

Gandhi, KJK, BF Barnes, CJ Bishop, C Fortuin, BM Gochnour, R. Hoyt, KDK Klepzig, E McCarty, C Miller, C Montes, **TN Sheehan**, S Spinner, C Villari, and JT Vogt. “Multi-faceted forest health and socio-economic threats from catastrophic wind disturbances.” Invited oral presentation at North American Forest Insect Work Conference, May 2021; online.

**Sheehan, TN** and KD Klepzig. “Post-hurricane beetle activity in longleaf pine: a resilient tree in a resistant landscape.” Oral presentation at the Entomological Society of America Annual Meeting, Nov. 2019; St. Louis, MO.

**Sheehan, TN** and KD Klepzig. “Insects of Ichauway: Past, present, and future entomological research at the Jones Center.” Oral presentation at the Georgia Entomological Society of America Annual Meeting, Apr. 2018; Helen, GA.

**Sheehan, TN**, Ulyshen MD, and S Horn. “How much does height matter? Determining microclimatic effects of height on vertical stratification of wood-boring beetles.” Oral presentation at the Entomological Society of America Annual Meeting, Nov. 2017; Denver, CO.

**Sheehan, TN**, MD Ulyshen, and S Horn. “Disentangling the effects of microclimate on vertical stratification of wood-

boring beetles.” Oral presentation at the Entomological Society of America Southeastern Branch Annual Meeting, Mar. 2017; Memphis, TN.

**Sheehan, TN**. (2015). “Species diversity and abundance of terrestrial gastropods on Berry College’s Campus, Rome, Georgia.” Honors Thesis, Berry College, GA, Apr. 2015.

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

SKILLS

Compound/dissecting microscope

Technician supervision

Biological media preparation

Insect collecting/mounting

Time management/organization

Workload organization

Insect curation and determination

Statistical analysis (R)

MS Office Suite Expert Certification

CLASSES AND WORKSHOPS ATTENDED

* Outreach Video Creation (Ichauway 2021)
* Mobile Elevating Work Platform Operation (Ichauway 2021)
* Chainsaw Safety (Ichauway 2021, 2022)
* Bark Beetle Biology and Identification (Virginia Tech 2019)
* High Impact Communications for Scientists (Ichauway 2018)
* Likelihood Methods for Forest and Wildlife Science (Ichauway 2018)
* Prescribed Fire Application (Ichauway 2018)
* Bark and Ambrosia Beetle Academy (University of Florida 2016)

OUTREACH AND SERVICE

* “[No Touchy Arthropods of Ichauway](https://lab.jonesctr.org/wp-content/uploads/2022/04/No-Touchy-Insect-Pamphlet_6pages.pdf)” Outreach pamphlet
* “Gnats: 7 Questions, 7 Answers” Outreach pamphlet
* “[It’s the Little Things: An Entomology Research Spotlight](https://www.youtube.com/watch?v=3KZFworu82Y)” Outreach video
* DEI Committee at Ichauway
* Promoted entomology to hundreds of primary and secondary students at various outreach events
* Promoted entomology to several dozen post-secondary students at Ichauway field tours
* Served as student judge at numerous professional conferences

SELECT OTHER FIELD EXPERIENCE

* UGA Entomology Odonate Survey (Sapelo Island, GA)
* Salamander Survey with Kira McEntire (Coweeta Hydrological Lab, NC)
* UGA Insect Taxonomy Collecting Trip (Sapelo Island, GA)
* Berry College Salamander Ecology Field Trip (Highlands, NC)
* JCU Biodiversity of Tropical Australia Field Trip (Atherton, QLD)
* JCU Plant Ecology Field Trip (Boulia, QLD) Apr. 2014
* Berry College Behavioral Ecology Field Trip (Saint Catherines Island, GA)

AWARDS & HONORS

* 1st place MS oral presentation (T.L. Bissell Award), GA Entomological Society, Apr. 2017
* 1st place MS oral presentation, UGA Entomology Department Lund Week, Apr. 2017
* 1st place microphotography contest, UGA Entomology Department Lund Week, Apr. 2017
* 2nd place Triplehorn contest, UGA Entomology Department Lund Week, Apr. 2017
* Dean’s List, Berry College: Fall 2012, Spring 2013, Fall 2014, Spring 2015
* 2nd place visual presentation, Berry College Symposium on Student Scholarship, Apr. 2015

REFERENCES

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

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

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

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