

# Henry Nathaniel Thomas

h.thomas@berkeley.edu or henrythomas@isu.edu

Research interests fall under the broad categories of diapsids, phylogenetic systematics, ecomorphology, and macroevolution.

Skills include phylogenetic analysis, ecological statistics, data ordination, paleocoordinate reconstruction, graphic design.

## Education

**Master's: Idaho State University (August 2022 - )**

Master of Science in Biology

College of Science and Engineering

**Undergraduate: University of California Berkeley (August 2017 - May 2021)**

Bachelor of Arts in Integrative Biology

College of Letters & Science

GPA: 3.486

Coursework covers a broad range of biological and geological topics, including: Evolution; Ecology; Paleobiological Perspectives on Ecology and Evolution; Paleobotany; General Human Anatomy; Mammalogy; History and Evolution of Planet Earth; Animal Behavior; The Planet Earth; Genesis and Interpretation of Rocks; Natural History of the Vertebrates.

## Research

### Peer-reviewed publications

**Thomas, H. N.** (in review). "The Phylogeny of Azhdarchoidea (Pterosauria: Pterodactyloidea) and the Evolution of Giant Pterosaurs". *Fossil Imprint*.

### Conference presentations

Booth, S.; **Thomas, H.N.**; Duijnste, I.; Muddiman, B. (2021). "Ecological (dis)similarity between Pennsylvanian coal floras across space and time". *Midcontinent Paleobotanical Colloquium*, virtual.

**Thomas, H.N.** (2019). "A Novel Phylogenetic Analysis of Azhdarchoid Pterosaurs". *NorCal Paleo*, Berkeley.

**Thomas, H.N.** (2018). "A Novel Phylogenetic Analysis of Azhdarchoid Pterosaurs, with Comments on Their Biogeography and Paleoecology". *1st Palaeontological Virtual Congress*, Valencia.

### Conference posters

**Thomas, H.N.** (2021). "The phylogeny of Azhdarchoidea (Pterosauria) and the rise of toothless pterosaurs". *81st Annual Meeting of the Society of Vertebrate Paleontology*, virtual.

Dickson, M.C.; Deans, A.M.; **Thomas, H.N.**; Voss, B.; McCallum, M.; Chen, A. (2018). "A Case Study in Conducting an Online Learning Experience in Vertebrate Palaeontology". *78th Annual Meeting of the Society of Vertebrate Paleontology*, Albuquerque.

Dickson, M.C.; Chen, A.; Cortes, J.C.; Deans, A.M.; Orłowski, H.; **Thomas, H.N.**; Turmelle, J.F.; Wood, J.; Groom, R. (2016). "Dinosaurs, Birds, and Memes: Utilizing a Popular Microblogging Platform for Palaeontological Education". *76th Annual Meeting of the Society of Vertebrate*

*Paleontology Meeting*, Salt Lake City.

## **Work and volunteer experience**

### **Work experience**

UC Berkeley Museum of Vertebrate Zoology (Summer 2021-): Working with inbred wild-derived house mouse (*Mus musculus domesticus*) colonies. Duties include animal husbandry, tissue collection and preservation, archival work. Supervisor: Michael Nachman.

### **Research apprenticeships**

UC Berkeley Department of Integrative Biology (Fall 2020–Summer 2021): Worked with the Phillips Coal Ball Collection, a dataset of paleobotanical occurrences in Pennsylvanian coal balls. Investigating the relationship between ecological dissimilarity and geographic distance between Pennsylvanian fossil localities. Duties included transcribing data from scans of paper datasheets, reconstructing paleocoordinates of coal ball localities using GPlates, developing figures, and analyzing the dataset using R. Supervisor: Benjamin Muddiman.

UC Berkeley Museum of Vertebrate Zoology (Spring 2020): Assisted with various curatorial duties for the mammalogical and ornithological collections. Duties included applying specimen numbers to recently-acquired specimens and setting up pest control. Supervisor: Chris Conroy.

### **Organizational experience**

Specposium 2021 (Summer 2021): Organized and co-hosted an informal online conference focused on the genre of speculative biology.

Paleontological Society of Berkeley (Spring 2021): Co-founded a student group at UC Berkeley focused on paleontology. Served as a member of the Executive Committee. Helped organize and conduct meetings.

Dino Nerds For Black Lives (June 2020): Organized and co-hosted an impromptu scientific conference, streamed to the public via Twitch to raise funds. Raised \$4,701 for racial justice charities.

### **Other experience**

Pteros (2019–2021): Assisted with writing articles for a pterosaur-focused science communication website.

Paleontological Society Student Ambassadorship Program (Fall 2020): Acted as a social media student ambassador for the Paleontological Society. Helmed a virtual booth at the 2020 Geological Society of America meeting and provided social media updates about the meeting to the public.

## **Grants and awards received**

University of California Berkeley (2021): URAP Summer Research Award.

Paleontological Society (2020): Paleontological Society Outreach and Education Grant.

## **Memberships**

Society of Vertebrate Paleontology (2019–)

Paleontological Society (2021–)

## **Informal writings**

Bowman, C.; **Thomas, H.N.** (2021). "Specposium". *Astrovitae* 2: 18-21.

**Thomas, H.N.** (2021). "Short note on recent sightings of Rodan in Godzilla Singular Point". *Journal of Geek Studies* 8(2): 51-54.

**Thomas, H.N.** (2020). "The One Born of Fire: a pterosaurological analysis of Rodan". *Journal of Geek Studies* 7(2): 53-59.

**Thomas, H.N.** (2020). "A paleontological outlook on the Super Mario Bros. movie". *Journal of Geek Studies* 7(1): 1-6.

## **Other projects**

Those With Pycnofibres (2017-): Run a blog where I write current thoughts regarding my research and articles about paleontological topics aimed for a general audience.

History of Dinosaurs (2018): Assisted with the development and conduction of an independent online course about dinosaurs. Duties included presenting lectures, grading assignments, and quantifying effectiveness of the course. Results were presented as a poster at the 2018 Society of Vertebrate Paleontology conference.