

CURRICULUM VITAE

Jerrod G. Tynes

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Current Contact Information:

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Department of Biological & Environmental Sciences

Texas A&M University-Commerce

Academic Degrees

BS with Honors in Animal Science, Texas A&M University- Commerce, Commerce, Tx, 2011

Minor: Intergraded Sciences

Honors Thesis: *Hide Box Selection and Arboreal Behavior of the North American Rat Snake*

(*Pantherophis*)

MS in Biology, Texas A&M University- Commerce, Commerce, Tx, Expected Graduation date May 2014

Minor: Agricultural Sciences

Masters Thesis: *A Comparison of the Arboreal Behavior of Old World (Coelognathus), New World (Pantherophis & Scotophis), and Hybrid Colubrids (Pantherophis + Scotophis, Pituophis + Scotophis)*

Professional Experience:

Academic Positions:

Graduate Teaching Assistant and Researcher, Texas A&M-Commerce, Department of Biology & Environmental Sciences: January 2012 to present.

Student Worker and Reptile Room Manager for the Animal Care Facility, Texas A&M-Commerce, Department of Biology & Environmental Sciences: January 2011 to December 2011.

Non-Academic Professional Positions:

Resident Assistant, Texas A&M University-Commerce, Department of Residential Living and Learning: August 2011 to present.

Pet Care Associate and Reptile Consultant, Petsmart Rockwall: October 2005 to present.

Major Areas of Research Interest:

Herpetology and animal behavior especially as it pertains to snakes. Reptile and amphibian health, especially as it relates to captive reptiles in the pet trade. Arboreal, defensive, and social behavior in snakes. Native Texas reptile ecology and snake survey techniques. Hybridization of North American Colubrid species. Crotalid venom and its medical and toxicological properties as well as nursing care for envenomated patients. The genetic and taxonomic relationships of the Lampropeltini tribe and the gene expression of snake morphs and hybrids.

Teaching Experience:

As a Graduate Teaching Assistant I have taught the following labs:

BSC 1407L: Introductory Animal Biology (Biology Dept, TAMU-Commerce) Fall 2013

BSC 1413L: Zoology (Biology Dept, TAMU-Commerce) Spring 2013

BSC 1409L: Human Biology: Structure & Function (Biology Dept, TAMU-Commerce) Fall 2012- Spring 2014

BSC 426: Histology (Biology Dept, TAMU-Commerce) Spring 2012

BSC 422L: Comparative Vertebrate Biology (Biology Dept, TAMU-Commerce) Spring 2012 & Spring 2014

BSC 2402L: Anatomy & Physiology (Biology Dept, TAMU-Commerce) Spring 2012

Assisted with:

BSC 337L: Wildlife and Conservation Field Methods (Biology Dept, TAMU-Commerce) Spring 2012 & Spring 2013

BSC 1413L: Zoology (Biology Dept, TAMU-Commerce) Spring 2012

Guest Lectured for:

ANS 587: Advanced Animal Nutrition (Agriculture Dept. TAMU-Commerce) Fall 2013

ANS 415: Companion Animal Management (Agriculture Dept., TAMU-Commerce) Summer 2013

ANS 513: Environmental Physiology of Domesticated Animals (Agriculture Dept., TAMU-Commerce) Spring 2013

Graded for:

BSC 1407L: Introductory Animal Biology (Biology Dept, TAMU-Commerce) Spring 2014

BSC 1406L: Introductory Biology I (Biology Dept, TAMU-Commerce) Fall 2013

Substituted for:

BSC 1407: Introductory Biology II (Biology Dept, TAMU-Commerce) Spring 2014

BSC 1409L: Human Structure and Function (Biology Dept, TAMU-Commerce) Spring 2014

BSC 1413: Zoology (Biology Dept, TAMU-Commerce) Spring 2014

BSC 1413L: Zoology (Biology Dept, TAMU-Commerce) Spring 2014

Advising:

TAMU-Commerce Pre-Vet Society Graduate Faculty Advisor: Fall 2012 to present.

TAMU-Commerce Alpha Lambda Delta Honors Society Graduate Faculty Advisor: Fall 2012 to present.

TAMU-Commerce Phi Eta Sigma Honors Society Graduate Faculty Advisor: Fall 2012 to present.

TAMU-Commerce Running Club Graduate Faculty Advisor (Co-founder): Spring 2012- present.

Other Collegiate Assignments

Fish Tank/ Display Tank Manager for Biology Department and Biology Offices

Grants

TAMU-Commerce Undergraduate Research Grant (April 2011)

TAMU-Commerce Undergraduate Travel Grant (April 2011)

American Studies Association of Texas Travel Grant (October 2012)

TAMU-Commerce Wildlife Conference Grant (October 2013)

Professional and Academic Association Memberships (current):

Texas Herpetological Society (THS)

Dallas/ Fort Worth Herpetological Society (DFWHS)

East Texas Herpetological Society (ETHS)

Rat Snake Foundation (FBH Affiliated)

Southwestern Psychological Association (SWPA)

American Studies Association of Texas (ASAT)

Professional Assignments, Activities, (non-teaching)

I have done guest presentations at multiple public schools and also assisted in a number of University activities such as Mane Event, University Day, Night Out, and many TAMUC spirit events including performances with the Pride Marching Band and the Department of Music. I have also represented the Dept. at Multiple Reptile Expos in Texas and Louisiana.

Professional Presentations and Research

Hide Box Selection and Arboreal Behavior of the North American Rat Snake (Pantherophis)

Undergraduate Honors Thesis Writing (Fall 2007-August 2011), Advisor: Dr. Lani Lyman-Henley, PhD in Ethology. Director of Animal Care Facility.

Presentations of This Work:

- Rockwall High School AP Biology Class (April 2011), Guest Speaker, Rockwall, Texas
- Southwestern Association of Naturalist Conference (April 2011), Undergraduate poster presented, University of Texas at Tyler
- Texas Herpetological Society Conference (October 2011), Graduate oral presentation , University of Texas at Austin
- Wildlife Society Meeting (November 2011), Guest Speaker, Texas A&M University- Commerce
- Student Research Pathways Symposium (November 2011), Graduate poster presented, Awarded graduate distinguished poster, Texas A&M University, College Station, Tx
- Texas Chapter of the Wildlife Society Meeting and Conference (February 2012), Graduate Poster presented, Fort Worth, Texas
- Texas A&M University Herpetology Society Meeting (February 2012), Guest Speaker, Texas A&M University, College Station, Tx
- Texas A&M University- Commerce Graduate Assistant Research Symposium (April 2012), Graduate Poster Presented, Texas A&M University-Commerce, Commerce, Tx
- Texas Academy of Sciences Symposium (February 2013), Graduate Oral Presentation, Schriener University, Kerrville, Tx.
- MockSWPA Symposium (April 2013), Graduate Oral Presentation, Texas A&M University-Commerce, Commerce, Tx
- Southwestern Association of Psychologist (SWPA) Conference- Graduate Oral Presentation, Omni Hotel, Fort Worth, Tx

*Abstract for this research was selected for the International Herpetology Symposium July 2012

A Comparison of the Arboreal Behavior of Old World (Coelognathus), New World (Pantherophis & Scotophis), and Hybrid Colubrids (Pantherophis + Scotophis, Pituophis + Scotophis)

Masters Thesis Writing (August 2011-Current), Working underneath Dr. Lani Lyman-Henley, PhD in Ethology.

Presentations of this work

- Repticon Reptile Expo, Guest Speaker on Hybrid snakes, Louisiana State Fair Grounds, Shreveport, La (January 2013)

Semester Research Projects:

The Composition and Ecological Segregation of Snake Communities in Hunt County, Tx

- Conducted extensive literature reviews and conduct from March-April 2012 (Bottomlands) and March- April 2013 (Wetlands) Field research projects using drift fences and funnel traps
 - Worked under Jeffrey Kopachena, PhD. Texas A&M University Biology and Wildlife professor
- Presentations of this work:

- Texas A&M University-Commerce Annual Research Symposium (April 2012), Graduate Poster presented, Texas A&M University- Commerce, Commerce, Tx
- Rockwall High School AP Biology Class (May 2012), Guest Speaker, Rockwall High School, Rockwall, Tx
- Wildlife Society Meeting (September 2012), Guest Speaker, Texas A&M University- Commerce
- Texas Herpetological Society Conference (October 2012), Graduate Oral Presentation, Herd Museum, McKinney, Tx
- UNT North Texas Life Science Research Symposium (November 2012), Graduate Poster Presentation, Selected for and spoke on the Symposiums Graduate Panel, University of North Texas Life Science Campus, Fort Worth, Tx
- Texas Chapter of the Wildlife Society Annual Meeting (February 2013), Graduate Poster Presentation, Houston, Tx
- Texas Chapter of the Wildlife Society Annual Meeting (February 2014), Graduate Oral Presentation

The Defensive Behavior and Responsiveness to Human Contact of Naive Hybrid Snakes (Pantherophis + Scotophis) and Corn Snakes (Pantherophis guttatus)

- Conducted extensive literature reviews and conducted defensive tests on snakes
 - Worked under Lani Lyman-Henley, PhD. in Ethology, Director of Animal Care Facility
- Presentations of this work:

- Texas A&M University Pathways Symposium (November 2012), Graduate Poster presented, Texas A&M University- Galveston, Galveston, Tx
- Third Coast Reptile Expo (March 2013), Graduate Poster presented, Elk Lodge, Katy, Tx
- Texas A&M University-Commerce Research Symposium (April 2013), Graduate Oral Presentation, Awarded Superior Graduate Oral Presentation for the College of Science, Engineering, & Agriculture, Texas A&M University-Commerce, Commerce, Tx
- Graduate Assistant Research Symposium, Graduate Poster, Texas A&M University-Commerce, Commerce, Tx

The Social and Aggregate Behavior of Hybrid Colubrids (Scotophis = Pantherophis) (August 2012- August 2013), Working underneath Dr. Lani Lyman-Henley, PhD in Ethology.

Presentations of this work

- Repticon Reptile Expo, Guest Speaker on Hybrid snakes, Louisiana State Fair Grounds, Shreveport, La (January 2013)
- Texas A&M University Herpetological Society, Guest Speaker, Texas A&M University, College Station, Tx (February 2013)
- Repticon Reptile Expo, Guest Speaker, Baton Rouge, La (June 2013)
- International Herpetology Symposium, Oral Presentation, New Orleans, La (August 2013)
- Texas A&M University Pathways Symposium, Graduate Poster Presentation, Texas A&M University- Kingsville, Kingsville, Tx (November 2013)

Extensive Literature Research Review of Crotalid snake species:

Nursing Care and Education Regarding the Pathophysiological Components and Molecular Action of Crotalid Snake Venom

- Worked with Cindy Tynes, MSN, RN-BC, Baylor University Lecturer

Presentations of this work:

- Sigma Theta Tau and Baylor Alumni Nursing Conference (March 2012), Graduate Poster presented, Louise Herrington School of Nursing, Baylor University, Dallas, Tx
- Wildlife Society Meeting (April 2012), Graduate Oral presentation, Texas A&M University-Commerce
- 3rd Annual Federation Research Symposium (April 2012), Graduate Poster presented, Texas Women's University, Denton, Tx
- Rockwall High School Anatomy and Physiology Class (May 2012), Guest Speaker, Rockwall High School, Rockwall, Tx
- Southwestern Association of Toxicology Conference (October 2012), Graduate Oral Presentation, SAT Conference, Norman, Ok.
- Texas Herpetological Society Conference (October 2012), Graduate Poster Presentation, Herd Museum, McKinney, Texas
- Repticon Reptile Expo, Graduate Poster Presentation, Louisiana State Fair Grounds, Shreveport, La
- Repticon Reptile Expo, Graduate Poster Presentation, Ennis, Tx (October 2013)

Historical Review of Raymond Lee Ditmars

- Studied and reviewed books written by Raymond Lee Ditmars, Herpetologists and early 20th Century Biologist and Zoo Keeper

Presentations of this work:

- American Studies Association of Texas Conference (November 2012), Graduate Oral Presentation, Awarded Graduate Travel Grant, Midwestern State University, Wichita Falls, Tx
- Repticon Expo (June 2013), Graduate Poster Presentation, Baton Rouge, La

Specialty Presentations

“Corn Cousins – The North American Rat Snakes”- Descriptive and educational talk on ratsnakes.

Presentations of this work:

- North American Reptile Breeders Conference (February 2013), Guest Speaker, Arlington Convention Center, Arlington, Tx
- Third Coast Reptile Expo (March 2013), Guest Speaker, Elk Lodge, Katy, Tx
- Repticon Expo (April 2013), Guest Speaker, Ennis, Tx
- Repticon Expo (June 2013), Guest Speaker, Baton Rouge, La

“Fine Pines: Gopher, Bull, and Pine Snakes”- Descriptive and educational talk on pine snakes

Presentations of this work:

- Repticon Expo (October 2013), Guest Speaker, Ennis, Tx

- Repticon Expo (February 2014), Guest Speaker, Ennis, Tx
- North American Reptile Breeders Conference (February 2014), Guest Speaker, Arlington, Texas

Others Presentations:

- Resident Assistant Conference and Training (August 2012), Guest Speaker over the significance of snakes (ecology, economics, ect) and local species identification, Texas A&M University-Commerce
- Prairie Crossing Halloween Show (October 2012), Snake handling presentation, Texas A&M University- Commerce
- Pre-Vet Society Meeting (October 2012), Guest Speaker over Health Issues regarding Snakes, Texas A&M University- Commerce
- Celebration of Student Writing Symposium (December 2007), Undergraduate Poster presentation over vet clinic ethnography, Texas A&M University- Commerce

Professional Development: Attendance at Workshops, Presentations, Reading

I have attended numerous conferences ranging from general scientific meetings to reptiles to beef cattle. I am currently working on my Professional Animal Scientist Certification in Aquaculture and am reviewing a field guide for California reptiles and amphibians for the Journal of American Studies Association of Texas.

Summer Activities and Community Development/ Volunteer Work:

Summer 2013: Lake Pointe Church Middle School Camp (Lead Counselor)
 Lake Pointe Church Pre Teen Camp (Counselor)
 Lake Pointe Church SOFA (Arts) Camp (Lead Counselor)

Summer 2012: Lake Pointe Church Mini Camp (Head Counselor)
 Lake Pointe Church Pre Teen Camp (Lead Counselor)
 Lake Pointe Church SOFA (Arts) Camp (Lead Counselor)
 Texas A&M University- Commerce Band Leadership Camp (Head Counselor)

Summer 2011: Lake Pointe Church Sports Camp (Coach)
 Lake Pointe Church Mini Camp (Head Counselor)
 Lake Pointe Church Pre Teen Camp (Lead Counselor)
 Lake Pointe Church Middle School Camp (Counselor)
 Lake Pointe Church SOFA (Arts) Camp (Lead Counselor)

Summer 2009: Texas A&M University- Commerce Band Leadership Camp (Lead Counselor)
 Lake Point Church Mini Camp (Counselor)
 Lake Pointe Church Pre Teen Camp (Head Counselor)
 Lake Pointe Church SOFA (Arts) Camp (Head Counselor)
 Rockwall High School Marching Band Tech

Summer 2008: Texas A&M University- Commerce Band Leadership Camp (Counselor)
 Lake Point Church Pre Teen Camp (Counselor)
 Lake Point Church SOFA (Arts) Camp (Counselor)
 Rockwall High School Marching Band Tech

References:

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Department Head
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