

CURRICULUM VITAE

T. Marie Tipps

Angelo State University
Department of Biology
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Education:

Bachelors of Science in Biology 2010 Angelo State University
Graduated Magna Cum Laude, Highest Honors

Masters of Science in Biology Current Angelo State University

Relevant Employment:

Angelo State University *San Angelo, TX*
Teaching Assistant *August 2011-present*
Teaching responsibilities included teaching, preparing, and grading for weekly labs for the non-majors biology class, Human Biology; taught five lab sections

Angelo State University *San Angelo, TX*
Graduate Assistant *July 2011-August 2011*
Prepare both tissue and skin specimens, operator of the computer database (SPECIFY) used to install specimens, catalogue new additions to the collection, and maintenance of both skin and tissue collections

Angelo State University *San Angelo, TX*
Graduate Assistant *September 2010-May 2011*
Manage two cell biology labs consisting of 20 students each, Maintain instruction handbook for future graduate and lab assistants, assign and post grades online for weekly grades, prepare a new lab each week including materials needed for the lab

Angelo State Natural History Collection *San Angelo, TX*
Student Worker *November 2007-present*
Prepare both tissue and skin specimens, operator of the computer database (SPECIFY) used to install specimens, catalogue new additions to the collection, and maintenance of both skin and tissue collections

Dr. Loren K. Ammerman's Molecular Research Lab *San Angelo, TX*
Research Assistant *September 2008-August 2009*
Lab work included performing DNA extractions, PCR reactions, sequencing reactions, and sequence analysis; working on a systematic review of the bat family Molossidae

*Angelo State University Chemistry Department
Lab Assistant*

*San Angelo, TX
August 2007-December 2007*

Set up weekly labs and maintained lab supplies i.e. glassware, chemicals, etc.

*San Antonio Zoo
Zookeeper Intern-Bird Department*

*San Antonio, TX
May 2007-August 2007*

Tasks included maintenance of zoo enclosures and care and maintenance of zoo animals under supervision of a trained zookeeper

Organization Membership:

Texas Society of Mammalogists – 2008-Present
Southwestern Association of Naturalists – 2008-Present
Texas Academy of Science – 2010-Present
American Society of Mammalogists – 2011-Present
Alpha Chi National Honor Society – 2009-2010
Angelo State University Honors Program – 2006-2010
Angelo State University Honors Student Association – 2006-2010

- President 2008-2009
- Secretary 2007-2008

Beta Beta Beta Biological Honors Society – 2007-2010

- Tri-Beta South Central Region-Student President 2009-2010
- Tri-Beta Epsilon Sigma Chapter President 2009-2010
- Tri-Beta Epsilon Sigma Chapter Beta Representative 2008-2009

Scholarships, Honors, and Awards:

Carr Research Scholarship – Graduate 2010
Carr Graduate Scholarship 2010-2012
Carr Research Scholarship – Undergraduate 2009
Laundry Solutions Scholarship 2009
A. P. New Honors Scholarship 2009
Thelma Casey, Mary and Glenn Casey Memorial Scholarship in Biology 2008
Carr International Studies Scholarship 2008-2009
Honors Program Scholarship 2007-2010
Spencer International Grant 2008-2009
Carr Academic Scholarship 2006-2010
Special Academic Scholarship in Biology 2006-2010
Performing Arts Scholarship 2006-2007
Inducted into Alpha Chi National Honors Society 2009
Dean's List – 2006-2010
Who's Who Among Students in American Colleges and Universities 2010
John C. Johnson Award for Outstanding Poster Presentation 2009
Frank G. Brooks Award for Outstanding Oral Presentation 2010

Relevant Field Experience:

- Assistant to Dr. Loren Ammerman in several bat surveys to Big Bend National Park, Texas; included mist net set-up, processing of live bats, data entry
- Assistant to Dr. Loren Ammerman for a population survey of the endangered species, *Leptonycteris nivalis*, using thermal imaging technology
- Assistant to Eric Pomposelli for his thesis work on the hog-nosed skunk, *Conepatus leuconotus*; conducted radio-tracking surveys for den site selection study
- Assistant to Dr. Robert Dowler in several mammal surveys in Bentsen Rio Grande Valley State Park; utilized several trapping methods such Sherman traps, Tomahawk traps, mist nets, and pit falls; processed and prepped mammals for a museum collection
- Assistant to Drs. Robert Dowler and Mike Dixon in mammal and herp trapping at Camp Bowie National Guard training site

Presentations:

- 2009 **T. M. Tipps**, D.N. Lee, and L.K. Ammerman. Optimizing PCR conditions in DMP1 for phylogenetic analysis of molossid genera. Texas Society of Mammalogists, Texas Tech Biological Station, Junction, TX
- 2009 **T.M. Tipps**, D.N. Lee, and L.K. Ammerman. Optimizing PCR conditions in DMP1 for phylogenetic analysis of molossid genera. Tri-Beta South Central Regional Convention. University of Oklahoma Biological Station, Lake Texoma, OK 1st Place John C. Johnson Award
- 2009 L.K. Ammerman, D.N. Lee, and **T.M. Tipps**. Molecular phylogeny of the family Molossidae. North American Symposium for Bat Research, Portland, OR
- 2010 **T.M. Tipps** and L.K. Ammerman. Five new county records of bats (Vespertilionidae and Molossidae) in Texas identified using molecular and morphological techniques. Texas Society of Mammalogists, Texas Tech Biological Station, Junction, TX
- 2010 **T.M. Tipps** and L.K. Ammerman. A molecular approach to the position of *Cheiromeles* (Chiroptera: Molossidae). Tri-Beta South Central Regional Convention. University of Oklahoma Biological Station, Lake Texoma, OK 2nd place Oral Presentation
- 2010 **T.M. Tipps** and L.K. Ammerman. A molecular approach to the position of *Cheiromeles* (Chiroptera: Molossidae). Tri-Beta National Convention. Fort Lewis College, Durango, CO. 1st place Frank G. Brooks Award
- 2010 L.K. Ammerman, D.N. Lee, and **T.M. Tipps**. Molecular phylogeny of the family Molossidae. International Conference for Bat Research, Prague, Czech Republic.

- 2011 **T.M. Tipps** and L.K. Ammerman. Morphological and Molecular Variation in Townsend's Big-eared Bat (*Corynorhinus townsendii*) in west Texas. Carr Research Symposium, Angelo State University, San Angelo, TX
- 2011 **T.M. Tipps** and L.K. Ammerman. Morphological and Molecular Variation in Townsend's Big-eared Bat (*Corynorhinus townsendii*) in West Texas. Texas Society of Mammalogists, Texas Tech Biological Station, Junction, TX
- 2011 **T.M. Tipps**, D.N. Lee, and L.K. Ammerman. A molecular approach to the phylogenetic position of the naked bat, *Cheiromeles* (Chiroptera: Molossidae) Texas Academy of Science, Austin, TX
- 2011 **T.M. Tipps** and L.K. Ammerman. Morphological and Molecular Variation in Townsend's Big-eared Bat (*Corynorhinus townsendii*) in West Texas. North American Society for Bat Research, Toronto, Canada

Research Grants:

- 2009 **T.M. Tipps** and L.K. Ammerman. A molecular approach to the phylogenetic position of *Cheiromeles* (Molossidae: Chiroptera) Carr Academic Research Grant \$300
- 2009 **T.M. Tipps** and L.K. Ammerman. A molecular approach to the phylogenetic position of *Cheiromeles* (Molossidae: Chiroptera) Tri-Beta Research Grant \$650
- 2010 **T.M. Tipps** and L.K. Ammerman. A molecular approach to the phylogenetic position of *Cheiromeles* (Molossidae: Chiroptera) Texas Academy of Science \$2000
- 2010 **T.M. Tipps** and L.K. Ammerman. Investigating an unusual population of Townsend's big-eared bat in the southwestern U.S. using genetic data Carr Academic Research Grant \$500
- 2011 **T.M. Tipps** and L.K. Ammerman. Investigating an unusual population of Townsend's big-eared bat in west Texas using morphological and molecular data Texas Academy of Science \$1250
- 2011 **T.M. Tipps** and L.K. Ammerman. Investigating an unusual population of Townsend's big-eared bat in west Texas using morphological and molecular data Head of the River Ranch Grant \$1000

Publications:

- Tipps, T. M.**, B. Mayes, and L. K. Ammerman. Accepted. New county records for six species of bats (Vespertilionidae and Molossidae) in Texas. Texas Journal of Science XX: XX-XX

Ammerman, L. K., D. N. Lee, and **T. M. Tipps**. Accepted. Molecular phlogenetic insights into the evolution of free-tailed bats in the subfamily Molossinae (Molossidae: Chiroptera). *Journal of Mammalogy* 93: XX-XX.